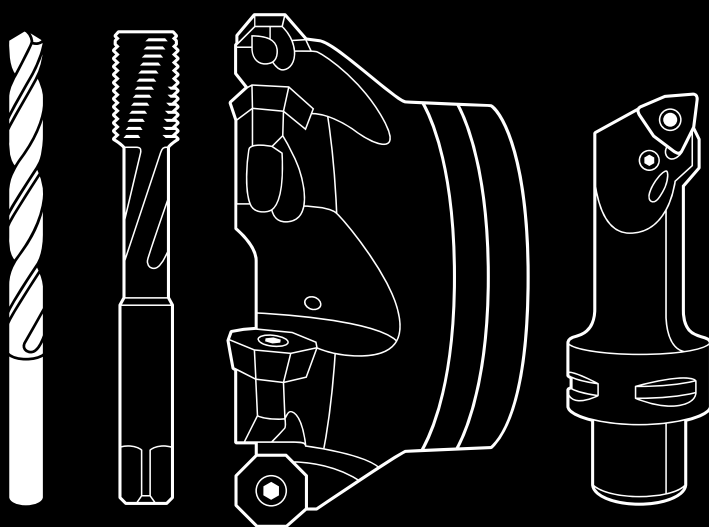


\_ МЕТАЛЛ — НАША СПЕЦИАЛИЗАЦИЯ

# Инструменты для обработки отверстий



# Как найти и заказать нужный вам инструмент:



## Лично, обратившись к региональному представителю

С нами можно связаться по телефону, факсу или электронной почте.

Контактные данные представительства см. на нашем сайте: [walter-tools.com](http://walter-tools.com).



## В каталогах и брошюрах Walter Hybrid

представлена вся стандартная программа инструментов торговых марок Walter, Walter Titex и Walter Prototyp, Walter Multiply — в печатной или цифровой версиях: с обзорами программы, данными инструментов, рекомендациями по режимам резания и мн. др. Со ссылками на нашу систему Walter GPS или Walter TOOLSHOP, где можно сразу заказать нужный инструмент.

Теперь любые инструменты Walter можно быстро и удобно заказывать в режиме онлайн на сайте [walter-tools.com](http://walter-tools.com) — с помощью смартфона, планшета или ПК.

Преимущество: прямой доступ к нашему корпоративному сайту в оптимизированном виде с любого мобильного устройства в любое время!

### Онлайн-каталог Walter



#### Поиск по инструменту

В онлайн-каталоге Walter вы легко найдете необходимые инструменты благодаря хорошо знакомой вам структуре нашего печатного каталога, а также специальным фильтрам и опциям поиска. Кроме того, вы сможете воспользоваться функцией «Добавить в корзину» и ссылками на чертежи и модели.

### Walter GPS



#### Поиск по области применения

С помощью Walter GPS вы за несколько кликов найдёте оптимальное решение для обработки своих деталей — как онлайн, так и офлайн — и при необходимости сможете сразу добавить его в Walter TOOLSHOP!

### Walter Innotime®



#### Поиск по детали

С Walter Innotime® вы найдёте наиболее экономичное решение по обработке вашей детали: включая все необходимые для этого инструменты, операции и режимы обработки. Вам достаточно просто загрузить 3D-модель детали.

## Цифровые способы заказа



**TOOLSHOP**



**EDI B2B**

#### Walter TOOLSHOP и EDI

Walter TOOLSHOP предоставляет заказчикам возможность быстрого получения информации и заказа инструментов.

С помощью системы электронного обмена данными EDI вы сможете пересылать необходимые документы (например, заказы) и размещать заказы на специальные инструменты.

# В - Обработка отверстий

## В1 - Сверление

|   |           |                       |
|---|-----------|-----------------------|
| <b>Свёрла твердосплавные</b>  | программа | Информация для заказа |
| Свёрла твердосплавные с внутренним подводом СОЖ                             | В 10      | В 25                  |
| Свёрла твердосплавные без внутреннего подвода СОЖ                           | В 21      | В 148                 |
| <b>Инструменты для обработки отверстий и снятия фасок</b>                   | программа | Информация для заказа |
| Инструменты для обработки отверстий и снятия фасок                          | В 194     | В 195                 |
| <b>Пластины для обработки отверстий</b>                                     |           | Информация для заказа |
| Сменные пластины  |           | В 198                 |
| Пластины для обработки отверстий  |           | В 214                 |
| Пластины для развертывания  |           | В 222                 |
| <b>Свёрла с пластинами</b>  | программа | Информация для заказа |
| Свёрла с пластинами   | В 224     | В 230                 |
| <b>Свёрла быстрорежущие</b>   | программа | Информация для заказа |
| Свёрла быстрорежущие  | В 322     | В 330                 |
| <b>Свёрла центровочные для станков с ЧПУ твердосплавные и быстрорежущие</b> | программа | Информация для заказа |
| Свёрла центровочные для станков с ЧПУ твердосплавные и быстрорежущие        | В 434     | В 436                 |
| <b>Свёрла центровочные твердосплавные и быстрорежущие</b>                   | программа | Информация для заказа |
| Свёрла центровочные твердосплавные и быстрорежущие                          | В 444     | В 448                 |

## В2 - Черновое и чистовое растачивание

|  |           |                       |
|--|-----------|-----------------------|
| <b>Пластины для чернового и чистового растачивания</b> |           | Информация для заказа |
| Пластины для чернового и чистового растачивания        |           | В 462                 |
| <b>Инструменты для черн. и чистового растачивания</b>  | программа | Информация для заказа |
| Чистовое растачивание                                  | В 478     | В 482                 |
| Растачивание   | В 480     | В 550                 |
| <b>Вставки резцовые</b>                                | программа | Информация для заказа |
| Вставки резцовые ISO                                   | В 578     | В 584                 |
| Вставки резцовые Mini                                  | В 580     | В 595                 |
| Вставки резцовые с точной настройкой                   | В 582     | В 601                 |
| <b>Зенкеры и конические зенковки быстрорежущие</b>     | программа | Информация для заказа |
| Зенкеры и конические зенковки быстрорежущие            | В 606     | В 608                 |

## В3 - Развертывание

|   |           |                       |
|---|-----------|-----------------------|
| <b>Развертки твердосплавные и быстрорежущие</b> | программа | Информация для заказа |
| Развертки твердосплавные и быстрорежущие        | В 614     | В 617                 |

# Технологии Walter

## ((( Accure-tec®

Расточные оправки и адаптеры для фрезерования с запатентованной технологией Walter Accure-tec® обеспечивают максимальную степень гашения вибраций. Это идеальный выбор для точения, фрезерования и обработки отверстий с большим вылетом инструмента.

## Drion-tec®

Drion-tec® — это марка свёрл и развёрток от Walter с поворотными и сменными режущими пластинами. Свёрла Drion-tec® отличаются экономической эффективностью, высокой точностью обработки и универсальностью. Благодаря широте ассортимента они оптимально подойдут как для специализированных серийных производств, так и для специфических применений и смешанного производства.

## Groov-tec™

Groov-tec™ - это новейшее поколение высокопроизводительных режущих инструментов Walter. Они характеризуются максимальной стабильностью, что обеспечивает высокие показатели резания и приводит к максимальному максимальный срок службы державки и сменных пластин. В то же время системы максимально повышают надежность процесса благодаря контролируемому разрушению стружки.

## Krato-tec®

Krato-tec® — это уникальная технология покрытия Walter для твердосплавных инструментов. В её основе — исключительно стойкое к разрушению многослойное покрытие AlTiN с текстурированным верхним слоем. Особая архитектура слоёв обеспечивает высокую стойкость к износу и налипанию материала даже при высоких скоростях резания, что делает инструменты по-настоящему универсальными.

## Tiger-tec® Gold

Tiger-tec® Gold — это новая технология нанесения уникальных покрытий на пластины, специально разработанная Walter для обеспечения максимальной стойкости и эксплуатационной надёжности. В зависимости от области применения для нанесения покрытий на новые сплавы используются технологии PVD, CVD или ULP. Уникальные свойства покрытия, защищённые множеством патентов, гарантируют максимальную защиту от любых видов износа, влияющих на стойкость инструментов, и обеспечивают превосходные эксплуатационные характеристики.

## Tiger-tec® Silver

Tiger-tec® Silver от Walter — это уникальная во всём мире технология покрытия пластин. Специальный слой оксида алюминия с оптимизированной микроструктурой уменьшает износ при точении, фрезеровании и обработке отверстий, повышает прочность и теплостойкость, что позволяет использовать значительно более высокие режимы резания.

## Thread-tec™

Обозначение Thread-tec™ относится к резьбонарезным инструментам Walter с высокими эксплуатационными характеристиками и надёжностью процесса. Thread-tec™ сочетает в себе новейшие технические разработки и проверенные свойства геометрии инструмента и покрытий для создания обширного ассортимента продукции всех размеров и допусков. Подходит для любого применения - будь то фрезерование, форма или сверление.

## Thrill-tec™

Свёрла-резьбофрезы Thrill-tec™ для обработки по винтовой интерполяции объединяют в одном инструменте и одном проходе сразу три функции: обработка фасок, изготовление отверстия под резьбу и собственно нарезание резьбы. Особое сочетание субстрата, покрытия и геометрии обеспечивает высокую стойкость этих инструментов. Объединение нескольких этапов обработки обеспечивает исключительно короткое время обработки и позволяет экономить как инструменты, так и место в магазине станка.

## Walter BLAXX

Walter BLAXX является эталоном нового поколения фрез: специальная обработка поверхности корпуса делает фрезы исключительно прочными. Эти фрезы — преимущественно с тангенциальным креплением пластин — оснащены пластинами Tiger-tec®. Инструменты с обозначением «Walter BLAXX» сочетают в себе высокую износостойкость и непревзойдённую производительность.

## Walter Xpress

Walter Xpress — это сервис быстрого заказа и доставки высококачественных специальных инструментов от Walter Multiply: доступно около 10 000 вариантов инструментов; срок поставки — не более 2–4 недель с момента поступления заказа! Процесс оформления заказа чётко структурирован и гарантирует абсолютную надёжность при планировании. Обработка всех заказов с расчётом цены выполняется в течение 24 ч.

## Walter Precision XT

Прецизионные расточные оправки всегда используются в тех случаях, когда требуется чистовая обработка существующего отверстия или более высокая степень его точности: например, путём коррекции позиционирования, обеспечения более высокого класса точности или повышения качества поверхности. Чистовое растачивание, как правило, выполняется с глубиной резания < 0,5 мм.

## Walter Boring XT

Инструменты для чернового растачивания используются для увеличения диаметра существующего отверстия. При этом приоритетом является объём удаляемого материала. Растачиваемое отверстие может быть предварительно обработаным, пролито или отковано. Черновые расточные оправки используются также для изготовления радиальных уступов или ступенчатого растачивания.

## Технология XD

Твердосплавные свёрла Walter Titech — это точные, высокопроизводительные и экономически эффективные инструменты для обработки любых материалов. Технология XD от Walter Titech обеспечивает сверление отверстий глубиной до 70 × Dc с высочайшей точностью и эффективностью.

## Xill-tec®

Walter предлагает очень широкий выбор твердосплавных фрез Xill-tec® из серии MC230 Advance: разных размеров, с различным числом зубьев и разными вариантами хвостовиков. Благодаря этому пользователь будет готов к выполнению любых операций фрезерования для всех материалов групп ISO. Универсальное использование — с превосходным качеством обработки.

## Xtra-tec®

Фрезы и свёрла Xtra-tec® с пластинами обеспечивают исключительно мягкое резание и превосходное качество поверхности при обработке любых материалов. Пластины с острыми режущими кромками и покрытием Tiger-tec® отличаются особенно благоприятным соотношением твёрдости и прочности. Для максимальной производительности и эксплуатационной надёжности.

## Xtra-tec® XT

Xtra-tec® XT — новейшее поколение фрез Walter. Основываясь на продвинутой («Xtended») технологии, инструменты Xtra-tec® устанавливают абсолютно новые стандарты производительности и эксплуатационной надёжности. Они подходят для любых операций фрезерования при обработке всех стандартных групп материалов — эти инструменты прочнее, производительнее и экономически эффективнее, чем прежде, а Walter Green полностью компенсирует их «углеродный след».

## X-treme Evo

Твердосплавные свёрла X-treme Evo DC260 и DC160 Advance, а также X-treme Evo Plus DC180 Supreme и X-treme Evo 3 DC183 Supreme олицетворяют для Walter «технология обработки отверстий будущего поколения». Их отличает высокая универсальность в использовании — они подходят для широкого спектра материалов и станков: с превосходной стойкостью, производительностью и эксплуатационной надёжностью.

## Технологии Walter (продолжение)



Walter Capto™ — модульная система базовых держателей, предназначенная для любых работ по точению, фрезерованию, обработке отверстий и резьбонарезанию. Её стандартизированный по ISO многоугольный конус оптимально воспринимает скручивающие и изгибающие моменты, обеспечивая высокую точность позиционирования.



Walter ConeFit — это серия универсальных твердосплавных фрез с широким спектром высокопроизводительных режущих головок и хвостовиков. Коническая резьба у инструментов этой серии является самоцентрирующейся, что гарантирует максимальную надёжность и минимальное радиальное биение при использовании.



Пользователи инструментов Walter ScrewFit по достоинству оценят максимальную гибкость их применения. Модульная система крепления подходит для различных державок, а также для инструментов разного диаметра и длины, предназначенных для фрезерования и обработки отверстий.



Антивибрационные расточные оправки с технологией Walter Accure-tec® для точения и резьбонарезания имеют отшлифованный с высокой точностью хвостовик QuadFit с базированием по торцу и конусу. Режущая головка с возможностью разворота на 180° обеспечивает быструю замену инструмента с высочайшей точностью позиционирования.



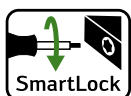
В ходе токарной обработки и обработки канавок направленная подача СОЖ от Walter обеспечивает эффективное охлаждение в самом центре формирования стружки. Двухканальная система гарантирует точность внутреннего подвода СОЖ к задней и передней поверхностям. При обработке отверстий СОЖ подаётся очень близко к режущей кромке. Для значительного увеличения стойкости, оптимизации стружколома и отвода стружки, а также повышения эффективности и качества обработки.



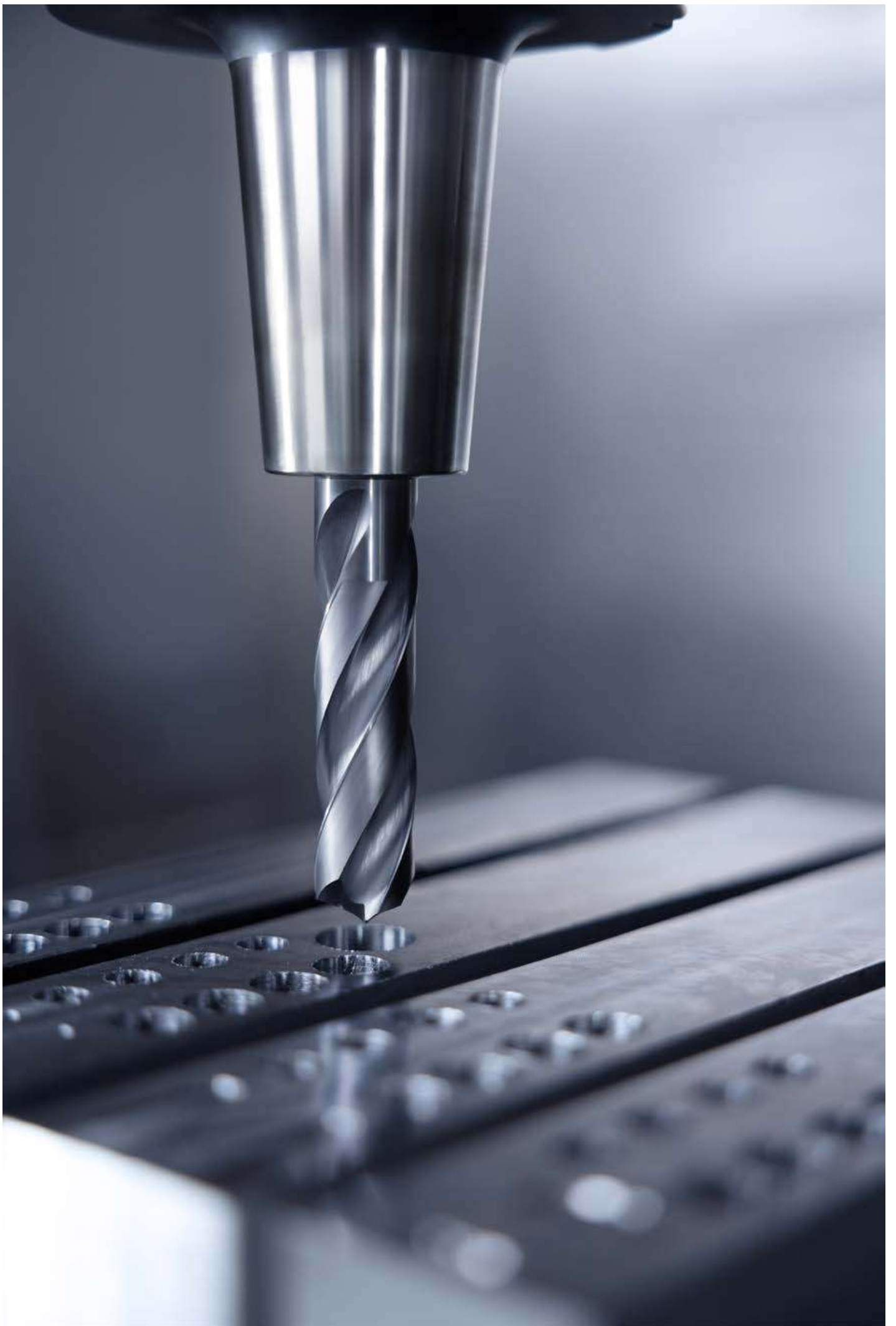
Walter DeVibe - это антивибрационная технология для резьбовых фрез. По своей сути она состоит из "успокаивающей фаски", которая уменьшает угол зазора на боковой поверхности. Это поддерживает инструмент, а вибрации сводятся к минимуму. DeVibe обеспечивает более высокое качество поверхности и качество резания, особенно для метрической мелкой резьбы, независимо от условий зажима, изменения величины резания или стратегии фрезерования.



Символ молнии «Flash» служит для обозначения специальных твердосплавных быстроходных фрез. Их торцевая геометрия позволяет уменьшать толщину стружки «h» и тем самым достигать очень высоких значений подачи на зуб. Возникающие силы направляются по оси к центру инструмента, в результате чего стабилизируется процесс обработки.



У токарных державок Walter с обозначением SmartLock зажимной винт доступен сбоку. Это обеспечивает простую и быструю замену пластин в станке. Благодаря этому заметно сокращаются потери времени на замену. Предпочтительно для использования на станках продольного точения и многошпиндельных станках.

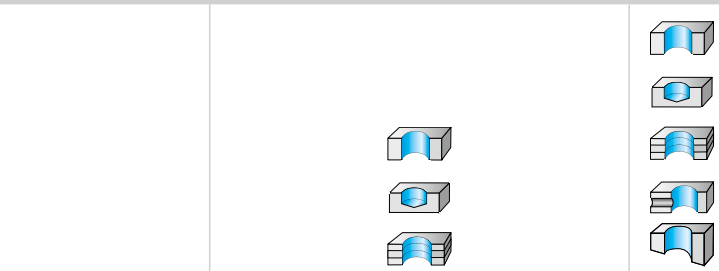


# Структура нового Общего каталога Walter

Доступный в электронной версии (ePaper) новый Общий каталог Walter наглядно и в полном объёме представляет информацию об инструментах и их применении с прямой ссылкой на онлайн-каталог Walter.


Drilling from solid WALTER TITEX

### Solid carbide drills with internal coolant



Drilling depth: 3 x D<sub>c</sub> | 5 x D<sub>c</sub> | 5 x D<sub>c</sub>

B1



| Designation  | DC150 Perform | DC150 Perform                           | A3289DPL Xtreme Plus | DC175 Supreme | DC170 Supreme |
|--|---------------|---|----------------------|---------------|---------------|
| Additional services  |               |   |                      |               |               |
| Standard   | DIN 6537 K    | DIN 6537 K                              | DIN 6537 K           | Walter        | DIN 6537 L    |
| Coating / grade  | WJ30RE        | WJ30RE                                  | DPL                  | WJ30RZ        | WJ30EJ        |
| Shank  | DIN 6535 HA   | DIN 6535 HE, turned 180°<br>DIN 6535 HB | DIN 6535 HA          | DIN 6535 HA   | DIN 6535 HA   |
| Diameter range [mm]  | 3–20          | 3–20                                    | 3–20                 | 3–20          | 3–20          |
| P Steel  | ●●            | ●●                                      | ●●                   | ●             | ●●            |
| M Stainless steel  | ●             | ●                                       | ●                    | ●●            | ●             |
| K Cast iron  | ●●            | ●●                                      | ●●                   | ●             | ●●            |
| N NF metals  | ●●            | ●●                                      | ●●                   | ●             | ●             |
| S Materials with difficult cutting properties                            | ●●            | ●●                                      | ●●                   | ●●            | ●             |
| H Hard materials   | ●             | ●                                       | ●●                   | ●             | ●             |
| O Other  | ●             | ●                                       | ●                    | ●             | ●             |
| Page in catalogue  | 20            | 21                                      | 22                   | 23            | 24            |
| QR code  |               |   |                      |               |               |
| <a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a> | DC150         | DC150                                   | A3289DPL             | DC175         | DC170         |

NEW

**WALTER SELECT** ●● Primary application ● Other application

Solid carbide drills – with internal coolant 9

## Обзоры программы с указанием областей применения, материалов и QR-кодов

Обзоры программы содержат пиктограммы для обозначения областей применения, изображения инструментов, спектр материалов, для обработки которых могут использоваться инструменты; при необходимости также указываются варианты хвостовиков, системы крепления и другая важная информация. Это позволяет легко определить, какой именно инструмент вам требуется, — и путём сканирования соответствующего QR-кода или непосредственного ввода ссылки (перехода по ссылке) в вашем браузере получать необходимую информацию в подробном виде.

**NEW**

Инструменты с этой маркировкой являются инновационными и отображаются в обзорах программы с этим статусом.



Пластины и инструменты с этими красными символами обозначены в обзоре программы и на странице для заказа как «новая продукция».

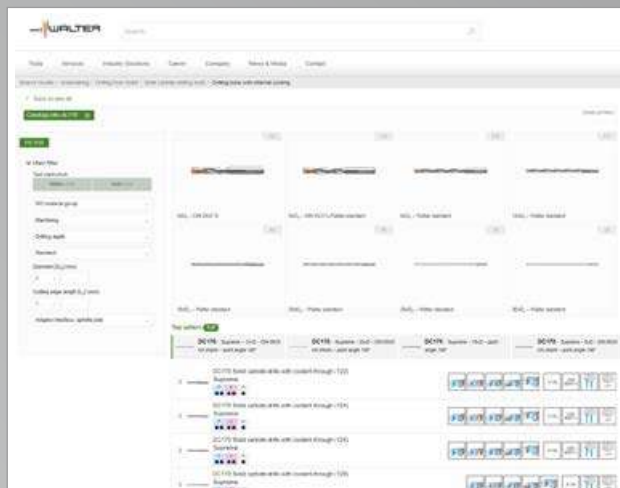
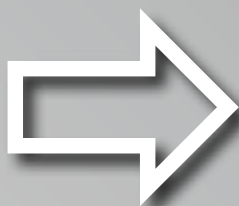


## Сканирование QR-кода

позволяет выполнять прямой переход на страницу с описанием соответствующего инструмента в онлайн-каталоге Walter. В кратком обзоре представлены изображения инструмента/продукции, пиктограммы для указания областей применения и другие условные обозначения, а также приводятся основные и дополнительные области применения с указанием обрабатываемых материалов ISO.



DC170



## Прямая ссылка

В качестве альтернативы сканированию QR-кода предусмотрена возможность прямого ввода ссылки в вашем браузере:

[www.walter-tools.com/woc/DC170](http://www.walter-tools.com/woc/DC170).

Разумеется, в электронной версии переходить по ссылкам можно простым щелчком мыши.



## Подробная информация об инструменте

В зависимости от инструмента здесь или на следующей странице с его описанием представлены размеры, подходящие пластины, адаптеры, комплектующие, а также прямые ссылки на дополнительную информацию, например, о режимах резания, рекомендуемых Walter GPS, или на техническую информацию, такую как инструкции по сборке, предельная частота вращения и многое другое.

**Solid carbide drills with coolant-through**  
DC170

3xDc DIN 5537 K 3xDc

WALTER SUPREME (3xDc)

Key (explanation of symbols)

Switch to inch values

| DIN 5537 K   | Description  | D <sub>1</sub><br>mm | L <sub>1</sub><br>mm | L <sub>2</sub><br>mm | L <sub>3</sub><br>mm | L <sub>4</sub><br>mm |
|--|--------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Supreme – DIN 5537 K – 3xDc – DIN 5535 HA sialurk – point angle 140° (122) |              | 5 - 20               | 14 - 55              | 82 - 121             | 20 - 79              | 36 - 50              |
| DC170-G3-03-000A1-WJ00EJ   | Availability | 3                    | 14                   | 82                   | 20                   | 36                   |
| DC170-G3-03-100A1-WJ00EJ   | Availability | 3.1                  | 14                   | 82                   | 20                   | 36                   |
| DC170-G3-03-175A1-WJ00EJ   | Availability | 3.175                | 14                   | 82                   | 20                   | 36                   |
| DC170-G3-03-200A1-WJ00EJ   | Availability | 3.2                  | 14                   | 82                   | 20                   | 36                   |
| DC170-G3-03-300A1-WJ00EJ   | Availability | 3.3                  | 14                   | 82                   | 20                   | 36                   |
| DC170-G3-03-400A1-WJ00EJ   | Availability | 3.4                  | 14                   | 82                   | 20                   | 36                   |
| DC170-G3-03-500A1-WJ00EJ   | Availability | 3.5                  | 14                   | 82                   | 20                   | 36                   |

## Свёрла твердосплавные, с внутренним подводом СОЖ

B1

|                   |                    |                    |                    |                    |                    |
|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                   |                    |                    |                    |                    |                    |
| Глубина сверления | 2 x D <sub>C</sub> | 2 x D <sub>C</sub> | 2 x D <sub>C</sub> | 2 x D <sub>C</sub> | 3 x D <sub>C</sub> |



|                                      |                                 |                  |                  |                      |                                 |
|--------------------------------------|---------------------------------|------------------|------------------|----------------------|---------------------------------|
| Обозначение                          | K5191TFT<br>X-treme Pilot 180 C | DC118<br>Supreme | DB131<br>Supreme | A6181TFT<br>XD Pilot | DC260<br>Advance<br>X-treme Evo |
| Другие услуги                        |                                 |                  |                  |                      |                                 |
| Стандарт                             | Walter                          | Walter           | Walter           | Walter               | Walter                          |
| Покрyтие/сплав                       | TFT                             | WJ30ET           | WJ30EL           | TFT                  | WJ30ET                          |
| Хвостовик                            | DIN 6535 HA                     | DIN 6535 HA      | DIN 6535 HA      | DIN 6535 HA          | DIN 6535 HA                     |
| Диапазон Ø [мм]                      | 4–7                             | 3–20             | 2–2,95           | 3–16                 | 3,3–14                          |
| <b>P</b> Сталь                       | ●●                              | ●●               | ●●               | ●●                   | ●●                              |
| <b>M</b> Нержавеющая сталь           | ●●                              | ●●               | ●●               | ●●                   | ●                               |
| <b>K</b> Чугун                       | ●●                              | ●●               | ●●               | ●●                   | ●●                              |
| <b>N</b> Цветные металлы             | ●●                              | ●●               | ●●               | ●●                   | ●●                              |
| <b>S</b> Жаропрочные сплавы          | ●●                              | ●●               | ●●               | ●●                   | ●●                              |
| <b>H</b> Материалы высокой твёрдости | ●                               | ●                | ●                | ●                    | ●                               |
| <b>O</b> Прочее                      | ●                               | ●                | ●                | ●                    | ●                               |
| Страница в каталоге                  | B 147                           | B 145            | B 142            | B 143                | B 25                            |
| QR-код                               |                                 |                  |                  |                      |                                 |
| www.walter-tools.com/woc/            | K5191TFT                        | DC118            | DB131            | A6181TFT             | DC260                           |

## Свёрла твердосплавные, с внутренним подводом СОЖ

|                   |                    |                    |                    |                    |                    |
|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                   |                    |                    |                    |                    |                    |
| Глубина сверления | 3 x D <sub>C</sub> | 3 x D <sub>C</sub> | 3 x D <sub>C</sub> | 3 x D <sub>C</sub> | 3 x D <sub>C</sub> |



|                |                                 |                                      |                  |                  |                                 |
|----------------|---------------------------------|--------------------------------------|------------------|------------------|---------------------------------|
| Обозначение    | DC260<br>Advance<br>X-treme Evo | DC180<br>Supreme<br>X-treme Evo Plus | DC175<br>Supreme | DC170<br>Supreme | DC160<br>Advance<br>X-treme Evo |
| Другие услуги  |                                 |                                      |                  |                  |                                 |
| Стандарт       | Walter                          | DIN 6537 K                           | DIN 6537 K       | DIN 6537 K       | DIN 6537 K                      |
| Покрyтие/сплав | WJ30ET                          | WJ30EZ                               | WJ30RZ           | WJ30EJ           | WJ30ET                          |
| Хвостовик      | DIN 6535 HE                     | DIN 6535 HA                          | DIN 6535 HA      | DIN 6535 HA      | DIN 6535 HA                     |

|                                      |        |      |      |      |      |
|--------------------------------------|--------|------|------|------|------|
| Диапазон Ø [mm]                      | 3,3–14 | 3–20 | 3–20 | 3–20 | 3–20 |
| <b>P</b> Сталь                       | ●●     | ●●   | ●    | ●●   | ●●   |
| <b>M</b> Нержавеющая сталь           | ●      | ●●   | ●●   | ●●   | ●    |
| <b>K</b> Чугун                       | ●●     | ●●   | ●●   | ●●   | ●●   |
| <b>N</b> Цветные металлы             | ●●     | ●●   | ●    | ●●   | ●●   |
| <b>S</b> Жаропрочные сплавы          | ●●     | ●●   | ●●   | ●●   | ●●   |
| <b>H</b> Материалы высокой твёрдости | ●      | ●●   | ●    | ●    | ●    |
| <b>O</b> Прочее                      | ●      | ●    | ●    | ●    | ●    |

|                     |      |      |      |      |      |
|---------------------|------|------|------|------|------|
| Страница в каталоге | B 25 | B 26 | B 29 | B 33 | B 36 |
|---------------------|------|------|------|------|------|

|        |  |  |  |  |  |
|--------|--|--|--|--|--|
| QR-код |  |  |  |  |  |
|--------|--|--|--|--|--|

|                           |       |       |       |       |       |
|---------------------------|-------|-------|-------|-------|-------|
| www.walter-tools.com/woc/ | DC260 | DC180 | DC175 | DC170 | DC160 |
|---------------------------|-------|-------|-------|-------|-------|

B 1

## Свёрла твердосплавные, с внутренним подводом СОЖ

B1

|                   |                    |                    |                    |                    |                    |
|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                   |                    |                    |                    |                    |                    |
| Глубина сверления | 3 x D <sub>C</sub> | 3 x D <sub>C</sub> | 3 x D <sub>C</sub> | 5 x D <sub>C</sub> | 5 x D <sub>C</sub> |



|                                      |                                 |                  |   |                                   |                                      |
|--------------------------------------|---------------------------------|------------------|---|-----------------------------------|--------------------------------------|
| Обозначение                          | DC160<br>Advance<br>X-treme Evo | DC150<br>Perform | DC150<br>Perform                            | DC183<br>Supreme<br>X-treme Evo 3 | DC180<br>Supreme<br>X-treme Evo Plus |
| Другие услуги                        |                                 |                  |   |                                   |                                      |
| Стандарт                             | DIN 6537 K                      | DIN 6537 K       | DIN 6537 K                                  | Walter                            | Walter                               |
| Покровие/сплав                       | WJ30ET                          | WJ30RE           | WJ30RE                                      | WJ30EZ                            | WJ30EZ                               |
| Хвостовик                            | DIN 6535 HE                     | DIN 6535 HA      | DIN 6535 HE, 180° с<br>обточкой DIN 6535 HB | DIN 6535 HA                       | DIN 6535 HA                          |
| Диапазон Ø [мм]                      | 3–20                            | 3–20             | 3–20  | 3–16                              | 3–20                                 |
| <b>P</b> Сталь                       | ●●                              | ●●               | ●●  | ●●                                | ●●                                   |
| <b>M</b> Нержавеющая сталь           | ●                               | ●                | ●   | ●                                 | ●●                                   |
| <b>K</b> Чугун                       | ●●                              | ●●               | ●●  | ●●                                | ●●                                   |
| <b>N</b> Цветные металлы             | ●●                              | ●●               | ●●  | ●●                                | ●●                                   |
| <b>S</b> Жаропрочные сплавы          | ●●                              | ●●               | ●●  | ●                                 | ●●                                   |
| <b>H</b> Материалы высокой твёрдости | ●                               | ●                | ●   |                                   | ●●                                   |
| <b>O</b> Прочее                      | ●                               | ●                | ●   |                                   | ●                                    |
| Страница в каталоге                  | B 36                            | B 44             | B 44  | B 51                              | B 26                                 |
| QR-код                               |                                 |                  |   |                                   |                                      |
| www.walter-tools.com/woc/            | DC160                           | DC150            | DC150                                       | DC183                             | DC180                                |

## Свёрла твердосплавные, с внутренним подводом СОЖ

|                   |                    |                    |                    |                    |                    |
|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                   |                    |                    |                    |                    |                    |
| Глубина сверления | 5 x D <sub>C</sub> | 5 x D <sub>C</sub> | 5 x D <sub>C</sub> | 5 x D <sub>C</sub> | 5 x D <sub>C</sub> |



|                                      |               |               |               |               |                          |
|--------------------------------------|---------------|---------------|---------------|---------------|--------------------------|
| Обозначение                          | DC175 Supreme | DC170 Supreme | DC166 Supreme | DC165 Advance | DC160 Advance Xtreme Evo |
| Другие услуги                        |               |               |               |               |                          |
| Стандарт                             | Walter        | DIN 6537 L    | DIN 6537 L    | Walter        | DIN 6537 L               |
| Покрyтие/сплав                       | WJ30RZ        | WJ30EJ        | WJ30UU        | WJ30UU        | WJ30ET                   |
| Хвостовик                            | DIN 6535 HA   | DIN 6535 HA   | DIN 6535 HA   | DIN 6535 HA   | DIN 6535 HA              |
| Диапазон Ø [mm]                      | 3–20          | 3–20          | 3–12          | 4–16          | 3–25                     |
| <b>P</b> Сталь                       | ●             | ●●            |               |               | ●●                       |
| <b>M</b> Нержавеющая сталь           | ●●            |               |               |               | ●                        |
| <b>K</b> Чугун                       |               | ●●            |               | ●●            | ●●                       |
| <b>N</b> Цветные металлы             | ●             |               | ●●            | ●●            | ●●                       |
| <b>S</b> Жаропрочные сплавы          | ●●            |               |               |               | ●●                       |
| <b>H</b> Материалы высокой твёрдости |               | ●             |               |               | ●                        |
| <b>O</b> Прочее                      | ●             |               |               |               | ●                        |
| Страница в каталоге                  | B 29          | B 33          | B 65          | B 66          | B 36                     |
| QR-код                               |               |               |               |               |                          |
| www.walter-tools.com/woc/            | DC175         | DC170         | DC166         | DC165         | DC160                    |

B1

## Свёрла твердосплавные, с внутренним подводом СОЖ

B1

|                   |                    |                    |                    |                    |                    |
|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                   |                    |                    |                    |                    |                    |
| Глубина сверления | 5 x D <sub>C</sub> | 5 x D <sub>C</sub> | 5 x D <sub>C</sub> | 8 x D <sub>C</sub> | 8 x D <sub>C</sub> |

|  |                           |               |  |               |                             |
|--|---------------------------|---------------|--|---------------|-----------------------------|
|  |                           |               |  |               |                             |
| Обозначение  | DC160 Advance X-treme Evo | DC150 Perform | DC150 Perform                            | DB133 Supreme | DC183 Supreme X-treme Evo 3 |
| Другие услуги  |                           |               |  |               |                             |
| Стандарт   | DIN 6537 L                | DIN 6537 L    | DIN 6537 L                               | Walter        | Walter                      |
| Покрyтие/сплав   | WJ30ET                    | WJ30RE        | WJ30RE                                   | WJ30EL        | WJ30EY                      |
| Хвостовик  | DIN 6535 HE               | DIN 6535 HA   | DIN 6535 HE, 180° с обточкой DIN 6535 HB | DIN 6535 HA   | DIN 6535 HA                 |
| Диапазон Ø [мм]  | 3–25                      | 3–20          | 3–20                                     | 0,7–2,95      | 3–16                        |
| <b>P</b> Сталь   | ●●                        | ●●            | ●●                                       | ●●            | ●●                          |
| <b>M</b> Нержавеющая сталь   | ●                         | ●             | ●  | ●●            | ●                           |
| <b>K</b> Чугун   | ●●                        | ●●            | ●●                                       | ●●            | ●●                          |
| <b>N</b> Цветные металлы   | ●●                        | ●●            | ●●                                       | ●●            | ●●                          |
| <b>S</b> Жаропрочные сплавы  | ●●                        | ●●            | ●●                                       | ●●            | ●                           |
| <b>H</b> Материалы высокой твёрдости                                     | ●                         | ●             | ●  | ●             |                             |
| <b>O</b> Прочее  | ●                         | ●             | ●  | ●             |                             |
| Страница в каталоге  | B 40                      | B 44          | B 47                                     | B 49          | B 52                        |
| QR-код   |                           |               |  |               |                             |
| <a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a> | DC160                     | DC150         | DC150                                    | DB133         | DC183                       |

## Свёрла твердосплавные, с внутренним подводом СОЖ

|                   |                    |                    |                    |                    |                    |
|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                   |                    |                    |                    |                    |                    |
| Глубина сверления | 8 x D <sub>C</sub> | 8 x D <sub>C</sub> | 8 x D <sub>C</sub> | 8 x D <sub>C</sub> | 8 x D <sub>C</sub> |



|                                      |                                |               |               |                           |               |
|--------------------------------------|--------------------------------|---------------|---------------|---------------------------|---------------|
| Обозначение                          | DC180 Supreme X-treme Evo Plus | DC175 Supreme | DC170 Supreme | DC160 Advance X-treme Evo | DC150 Perform |
| Другие услуги                        |                                |               |               |                           |               |
| Стандарт                             | Walter                         | Walter        | Walter        | Walter                    | Walter        |
| Покровие/сплав                       | WJ30EY                         | WJ30RY        | WJ30EJ        | WJ30ET                    | WJ30TA        |
| Хвостовик                            | DIN 6535 HA                    | DIN 6535 HA   | DIN 6535 HA   | DIN 6535 HA               | DIN 6535 HA   |
| Диапазон Ø [mm]                      | 3–20                           | 3–16          | 3–20          | 3–20                      | 3–20          |
| <b>P</b> Сталь                       | ●●                             | ●             | ●●            | ●●                        | ●●            |
| <b>M</b> Нержавеющая сталь           | ●●                             | ●●            | ●●            | ●                         | ●             |
| <b>K</b> Чугун                       | ●●                             | ●●            | ●●            | ●●                        | ●●            |
| <b>N</b> Цветные металлы             | ●●                             | ●             | ●●            | ●●                        | ●●            |
| <b>S</b> Жаропрочные сплавы          | ●●                             | ●●            | ●●            | ●●                        | ●●            |
| <b>H</b> Материалы высокой твёрдости | ●●                             | ●             | ●             | ●                         | ●             |
| <b>O</b> Прочее                      | ●                              | ●             | ●             | ●                         | ●             |
| Страница в каталоге                  | B 27                           | B 30          | B 34          | B 37                      | B 45          |
| QR-код                               |                                |               |               |                           |               |
| www.walter-tools.com/woc/            | DC180                          | DC175         | DC170         | DC160                     | DC150         |

B1

## Свёрла твердосплавные, с внутренним подводом СОЖ

B1

|                   |                    |                     |
|-------------------|--------------------|---------------------|
|                   |                    |                     |
| Глубина сверления | 8 x D <sub>C</sub> | 12 x D <sub>C</sub> |



|  |               |                    |                                |               |                           |
|--|---------------|--------------------|--------------------------------|---------------|---------------------------|
| Обозначение  | DB133 Supreme | A3486TIP Alpha® 44 | DC180 Supreme X-treme Evo Plus | DC170 Supreme | DC160 Advance X-treme Evo |
| Другие услуги  |               |                    |                                |               |                           |
| Стандарт   | Walter        | Walter             | Walter                         | Walter        | Walter                    |
| Покрyтие/сплав   | WJ30ER        | TIP                | WJ30EY                         | WJ30EJ        | WJ30EU                    |
| Хвостовик  | DIN 6535 HA   | DIN 6535 HA        | DIN 6535 HA                    | DIN 6535 HA   | DIN 6535 HA               |
| Диапазон Ø [mm]  | 0,7–2,95      | 5–8                | 3–20                           | 3–20          | 3–20                      |
| <b>P</b> Сталь   | ●●            | ●●                 | ●●                             | ●●            | ●●                        |
| <b>M</b> Нержавеющая сталь   | ●●            | ●                  | ●●                             | ●●            | ●                         |
| <b>K</b> Чугун   | ●●            | ●                  | ●●                             | ●●            | ●●                        |
| <b>N</b> Цветные металлы   | ●●            | ●●                 | ●●                             | ●●            | ●●                        |
| <b>S</b> Жаропрочные сплавы  | ●●            | ●                  | ●●                             | ●●            | ●●                        |
| <b>H</b> Материалы высокой твёрдости                                     | ●             | ●                  | ●●                             | ●             | ●                         |
| <b>O</b> Прочее  | ●             | ●                  | ●                              | ●             | ●                         |
| Страница в каталоге  | B 85          | B 105              | B 27                           | B 34          | B 38                      |
| QR-код   |               |                    |                                |               |                           |
| <a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a> | DB133         | A3486TIP           | DC180                          | DC170         | DC160                     |



## Свёрла твердосплавные, с внутренним подводом СОЖ

|                   |                     |                     |                     |                     |                     |
|-------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|                   |                     |                     |                     |                     |                     |
| Глубина сверления | 12 x D <sub>C</sub> | 12 x D <sub>C</sub> | 16 x D <sub>C</sub> | 16 x D <sub>C</sub> | 16 x D <sub>C</sub> |



|                                      |               |               |               |                           |               |
|--------------------------------------|---------------|---------------|---------------|---------------------------|---------------|
| Обозначение                          | DC150 Perform | DB133 Supreme | DC170 Supreme | DC160 Advance X-treme Evo | DB133 Supreme |
| Другие услуги                        |               |               |               |                           |               |
| Стандарт                             | Walter        | Walter        | Walter        | Walter                    | Walter        |
| Покрyтие/сплав                       | WJ30TA        | WJ30ER        | WJ30EJ        | WJ30EU                    | WJ30ER        |
| Хвостовик                            | DIN 6535 HA   | DIN 6535 HA   | DIN 6535 HA   | DIN 6535 HA               | DIN 6535 HA   |
| Диапазон Ø [mm]                      | 3–20          | 0,7–2,9       | 3–16          | 3–16                      | 2–2,9         |
| <b>P</b> Сталь                       | ●●            | ●●            | ●●            | ●●                        | ●●            |
| <b>M</b> Нержавеющая сталь           | ●             | ●●            | ●●            | ●                         | ●●            |
| <b>K</b> Чугун                       | ●●            | ●●            | ●●            | ●●                        | ●●            |
| <b>N</b> Цветные металлы             | ●●            | ●●            | ●●            | ●●                        | ●●            |
| <b>S</b> Жаропрочные сплавы          | ●●            | ●●            | ●●            | ●●                        | ●             |
| <b>H</b> Материалы высокой твёрдости | ●●            | ●             | ●             | ●                         | ●             |
| <b>O</b> Прочее                      | ●             | ●             | ●             | ●                         | ●             |
| Страница в каталоге                  | B 45          | B 106         | B 35          | B 36                      | B 120         |
| QR-код                               |               |               |               |                           |               |
| www.walter-tools.com/woc/            | DC150         | DB133         | DC170         | DC160                     | DB133         |

B 1

## Свёрла твердосплавные, с внутренним подводом СОЖ

B1

|                   |                     |                     |                     |                     |                     |
|-------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|                   |                     |                     |                     |                     |                     |
| Глубина сверления | 20 x D <sub>C</sub> | 20 x D <sub>C</sub> | 20 x D <sub>C</sub> | 20 x D <sub>C</sub> | 25 x D <sub>C</sub> |



|                                      |               |                           |               |                       |               |
|--------------------------------------|---------------|---------------------------|---------------|-----------------------|---------------|
| Обозначение                          | DC170 Supreme | DC160 Advance X-treme Evo | DB133 Supreme | A6794TFP X-treme DH20 | DC170 Supreme |
| Другие услуги                        |               |                           |               |                       |               |
| Стандарт                             | Walter        | Walter                    | Walter        | Walter                | Walter        |
| Покрyтие/сплав                       | WJ30EJ        | WJ30EU                    | WJ30ER        | TFP                   | WJ30EJ        |
| Хвостовик                            | DIN 6535 HA   | DIN 6535 HA               | DIN 6535 HA   | DIN 6535 HA           | DIN 6535 HA   |
| Диапазон Ø [мм]                      | 3–16          | 3–16                      | 2–2,9         | 3–10                  | 3–12          |
| <b>P</b> Сталь                       | ●●            | ●●                        | ●●            | ●●                    | ●●            |
| <b>M</b> Нержавеющая сталь           |               | ●                         | ●●            | ●                     |               |
| <b>K</b> Чугун                       | ●●            | ●●                        | ●●            | ●                     | ●●            |
| <b>N</b> Цветные металлы             |               | ●●                        | ●●            | ●                     |               |
| <b>S</b> Жаропрочные сплавы          |               | ●●                        | ●             | ●                     |               |
| <b>H</b> Материалы высокой твёрдости | ●             | ●                         | ●             | ●                     | ●             |
| <b>O</b> Прочее                      |               | ●                         | ●             |                       |               |
| Страница в каталоге                  | B 33          | B 36                      | B 49          | B 130                 | B 34          |
| QR-код                               |               |                           |               |                       |               |
| www.walter-tools.com/woc/            | DC170         | DC160                     | DB133         | A6794TFP              | DC170         |

## Свёрла твердосплавные, с внутренним подводом СОЖ

|                   |                     |                     |                     |                     |                     |
|-------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|                   |                     |                     |                     |                     |                     |
| Глубина сверления | 25 x D <sub>C</sub> | 25 x D <sub>C</sub> | 30 x D <sub>C</sub> | 30 x D <sub>C</sub> | 30 x D <sub>C</sub> |

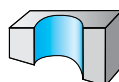


|                                      |                           |               |               |                           |               |
|--------------------------------------|---------------------------|---------------|---------------|---------------------------|---------------|
| Обозначение                          | DC160 Advance X-treme Evo | DB133 Supreme | DC170 Supreme | DC160 Advance X-treme Evo | DB133 Supreme |
| Другие услуги                        |                           |               |               |                           |               |
| Стандарт                             | Walter                    | Walter        | Walter        | Walter                    | Walter        |
| Покрyтие/сплав                       | WJ30EU                    | WJ30ER        | WJ30EJ        | WJ30EU                    | WJ30ER        |
| Хвостовик                            | DIN 6535 HA               | DIN 6535 HA   | DIN 6535 HA   | DIN 6535 HA               | DIN 6535 HA   |
| Диапазон Ø [mm]                      | 3–12                      | 2–2,9         | 3–12          | 3–12                      | 2–2,9         |
| <b>P</b> Сталь                       | ●●                        | ●●            | ●●            | ●●                        | ●●            |
| <b>M</b> Нержавеющая сталь           | ●                         | ●●            | ●●            | ●                         | ●●            |
| <b>K</b> Чугун                       | ●●                        | ●●            | ●●            | ●●                        | ●●            |
| <b>N</b> Цветные металлы             | ●●                        | ●●            | ●●            | ●●                        | ●●            |
| <b>S</b> Жаропрочные сплавы          | ●●                        | ●             | ●●            | ●●                        | ●             |
| <b>H</b> Материалы высокой твёрдости | ●                         | ●             | ●             | ●                         | ●             |
| <b>O</b> Прочее                      | ●                         | ●             | ●             | ●                         | ●             |
| Страница в каталоге                  | B 36                      | B 49          | B 33          | B 36                      | B 49          |
| QR-код                               |                           |               |               |                           |               |
| www.walter-tools.com/woc/            | DC160                     | DB133         | DC170         | DC160                     | DB133         |

B 1

## Свёрла твердосплавные, с внутренним подводом СОЖ

B1



|                   |                     |                     |                     |
|-------------------|---------------------|---------------------|---------------------|
| Глубина сверления | 30 x D <sub>C</sub> | 40 x D <sub>C</sub> | 50 x D <sub>C</sub> |
|-------------------|---------------------|---------------------|---------------------|



|             |                          |                         |                         |
|-------------|--------------------------|-------------------------|-------------------------|
| Обозначение | A6994TFP<br>X-treme DH30 | A7495TTP<br>X-treme D40 | A7595TTP<br>X-treme D50 |
|-------------|--------------------------|-------------------------|-------------------------|

|               |  |  |  |
|---------------|--|--|--|
| Другие услуги |  |  |  |
|---------------|--|--|--|

|          |        |        |        |
|----------|--------|--------|--------|
| Стандарт | Walter | Walter | Walter |
|----------|--------|--------|--------|

|                |     |     |     |
|----------------|-----|-----|-----|
| Покрытие/сплав | TFP | TTP | TTP |
|----------------|-----|-----|-----|

|           |             |             |             |
|-----------|-------------|-------------|-------------|
| Хвостовик | DIN 6535 HA | DIN 6535 HA | DIN 6535 HA |
|-----------|-------------|-------------|-------------|

|                 |      |      |     |
|-----------------|------|------|-----|
| Диапазон Ø [мм] | 3–10 | 3–11 | 3–9 |
|-----------------|------|------|-----|

|                                      |    |    |    |
|--------------------------------------|----|----|----|
| <b>P</b> Сталь                       | ●● | ●● | ●● |
| <b>M</b> Нержавеющая сталь           | ●  | ●  | ●  |
| <b>K</b> Чугун                       | ●  | ●● | ●● |
| <b>N</b> Цветные металлы             | ●  | ●● | ●● |
| <b>S</b> Жаропрочные сплавы          | ●  |    |    |
| <b>H</b> Материалы высокой твёрдости | ●  |    |    |
| <b>O</b> Прочее                      |    |    |    |

|                     |       |       |       |
|---------------------|-------|-------|-------|
| Страница в каталоге | B 139 | B 140 | B 141 |
|---------------------|-------|-------|-------|

QR-код


[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

A6994TFP

A7495TTP

A7595TTP

## Свёрла твердосплавные без внутреннего подвода СОЖ

|                   |                    |                    |                    |
|-------------------|--------------------|--------------------|--------------------|
|                   |                    |                    |                    |
| Глубина сверления | 2 x D <sub>c</sub> | 3 x D <sub>c</sub> | 3 x D <sub>c</sub> |



|                                      |               |                           |                           |                           |                           |
|--------------------------------------|---------------|---------------------------|---------------------------|---------------------------|---------------------------|
| Обозначение                          | DB131 Supreme | DC260 Advance X-treme Evo | DC260 Advance X-treme Evo | DC160 Advance X-treme Evo | DC160 Advance X-treme Evo |
| Другие услуги                        |               |                           |                           |                           |                           |
| Стандарт                             | Walter        | Walter                    | Walter                    | DIN 6537 K                | DIN 6537 K                |
| Покрyтие/сплав                       | WJ30EL        | WJ30ET                    | WJ30ET                    | WJ30ET                    | WJ30ET                    |
| Хвостовик                            | DIN 6535 HA   | DIN 6535 HA               | DIN 6535 HE               | DIN 6535 HA               | DIN 6535 HE               |
| Диапазон Ø [mm]                      | 0,5–1,984     | 3,3–14                    | 3,3–14,5                  | 3–20                      | 3–20                      |
| <b>P</b> Сталь                       | ●●            | ●●                        | ●●                        | ●●                        | ●●                        |
| <b>M</b> Нержавеющая сталь           | ●●            |                           |                           |                           |                           |
| <b>K</b> Чугун                       | ●●            | ●●                        | ●●                        | ●●                        | ●●                        |
| <b>N</b> Цветные металлы             | ●●            | ●                         | ●                         | ●                         | ●                         |
| <b>S</b> Жаропрочные сплавы          | ●             | ●                         | ●                         | ●                         | ●                         |
| <b>H</b> Материалы высокой твёрдости | ●             | ●                         | ●                         | ●                         | ●                         |
| <b>O</b> Прочее                      | ●             | ●                         | ●                         | ●                         | ●                         |
| Страница в каталоге                  | B 193         | B 148                     | B 148                     | B 149                     | B 149                     |
| QR-код                               |               |                           |                           |                           |                           |
| www.walter-tools.com/woc/            | DB131         | DC260                     | DC260                     | DC160                     | DC160                     |

B1

## Свёрла твердосплавные без внутреннего подвода СОЖ

B1

|                   |                    |                    |
|-------------------|--------------------|--------------------|
|                   |                    |                    |
| Глубина сверления | 3 x D <sub>c</sub> | 3 x D <sub>c</sub> |



|                                      |               |  |                              |                              |                              |
|--------------------------------------|---------------|--|------------------------------|------------------------------|------------------------------|
| Обозначение                          | DC150 Perform | DC150 Perform                            | DC150 Perform                | A1166TIN                     | A1166                        |
| Другие услуги                        |               |  |                              |                              |                              |
| Стандарт                             | DIN 6537 K    | DIN 6537 K                               | DIN 6539                     | Walter                       | Walter                       |
| Покрытие/сплав                       | WJ30RE        | WJ30RE                                   | WJ30RE                       | TIN                          | без покрытия                 |
| Хвостовик                            | DIN 6535 HA   | DIN 6535 HE, 180° с отточкой DIN 6535 HB | с цилиндрическим хвостовиком | с цилиндрическим хвостовиком | с цилиндрическим хвостовиком |
| Диапазон Ø [мм]                      | 3–20          | 3–20                                     | 1,5–2,9                      | 3–14                         | 3–18                         |
| <b>P</b> Сталь                       | ●●            | ●●                                       | ●●                           | ●                            | ●                            |
| <b>M</b> Нержавеющая сталь           | ●             | ●  | ●                            |                              |                              |
| <b>K</b> Чугун                       | ●●            | ●●                                       | ●●                           |                              |                              |
| <b>N</b> Цветные металлы             | ●             | ●  | ●                            |                              | ●                            |
| <b>S</b> Жаропрочные сплавы          | ●             | ●  | ●                            |                              | ●                            |
| <b>H</b> Материалы высокой твёрдости | ●             | ●  | ●                            | ●                            | ●                            |
| <b>O</b> Прочее                      | ●             | ●  | ●                            |                              |                              |
| Страница в каталоге                  | B 158         | B 158                                    | B 157                        | B 166                        | B 166                        |
| QR-код                               |               |  |                              |                              |                              |
| www.walter-tools.com/woc/            | DC150         | DC150                                    | DC150                        | A1166TIN                     | A1166                        |

## Свёрла твердосплавные без внутреннего подвода СОЖ

|                   |                    |                    |                    |
|-------------------|--------------------|--------------------|--------------------|
|                   |                    |                    |                    |
| Глубина сверления | 3 x D <sub>c</sub> | 5 x D <sub>c</sub> | 5 x D <sub>c</sub> |



|                                      |                              |                           |                           |               |               |
|--------------------------------------|------------------------------|---------------------------|---------------------------|---------------|---------------|
| Обозначение                          | A1163                        | DC160 Advance X-treme Evo | DC160 Advance X-treme Evo | DC150 Perform | DB133 Supreme |
| Другие услуги                        |                              |                           |                           |               |               |
| Стандарт                             | DIN 6539                     | DIN 6537 L                | DIN 6537 L                | DIN 6537 L    | Walter        |
| Покрытие/сплав                       | без покрытия                 | WJ30ET                    | WJ30ET                    | WJ30TA        | WJ30EL        |
| Хвостовик                            | с цилиндрическим хвостовиком | DIN 6535 HA               | DIN 6535 HE               | DIN 6535 HA   | DIN 6535 HA   |
| Диапазон Ø [mm]                      | 1–12                         | 3–25                      | 3–25                      | 3–20          | 0,5–2,95      |
| <b>P</b> Сталь                       |                              | ●●                        | ●●                        | ●●            | ●●            |
| <b>M</b> Нержавеющая сталь           |                              |                           |                           | ●             |               |
| <b>K</b> Чугун                       | ●                            | ●●                        | ●●                        | ●●            | ●●            |
| <b>N</b> Цветные металлы             | ●●                           | ●                         | ●                         | ●             | ●●            |
| <b>S</b> Жаропрочные сплавы          | ●                            | ●                         | ●                         | ●             | ●             |
| <b>H</b> Материалы высокой твёрдости |                              | ●                         | ●                         | ●             | ●             |
| <b>O</b> Прочее                      | ●●                           | ●                         | ●                         | ●             | ●             |
| Страница в каталоге                  | B 164                        | B 149                     | B 153                     | B 158         | B 168         |
| QR-код                               |                              |                           |                           |               |               |
| www.walter-tools.com/woc/            | A1163                        | DC160                     | DC160                     | DC150         | DB133         |

B1

## Свёрла твердосплавные без внутреннего подвода СОЖ

B1

|                   |                    |                    |  |                    |  |
|-------------------|--------------------|--------------------|--|--------------------|--|
|                   |                    |                    |  |                    |  |
| Глубина сверления | 5 x D <sub>C</sub> | 5 x D <sub>C</sub> |  | 8 x D <sub>C</sub> |  |



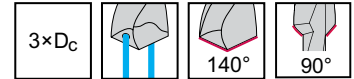
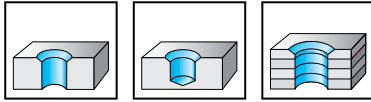
|                                      |                              |              |                  |                              |                              |
|--------------------------------------|------------------------------|--------------|------------------|------------------------------|------------------------------|
| Обозначение                          | DB130<br>Advance             | A3367<br>BSX | DB133<br>Supreme | A1276TFL<br>Alpha® 22        | A1263                        |
| Другие услуги                        |                              |              |                  |                              |                              |
| Стандарт                             | DIN 1899                     | DIN 6537 L   | Walter           | DIN 338                      | DIN 338                      |
| Покрyтие/сплав                       | WJ30UU                       | без покрытия | WJ30ER           | TFL                          | без покрытия                 |
| Хвостовик                            | с цилиндрическим хвостовиком | DIN 6535 HA  | DIN 6535 HA      | с цилиндрическим хвостовиком | с цилиндрическим хвостовиком |
| Диапазон Ø [мм]                      | 0,1–1,45                     | 3–16         | 0,5–2,95         | 3–10,2                       | 0,6–12                       |
| <b>P</b> Сталь                       | ●●                           |              | ●●               | ●●                           |                              |
| <b>M</b> Нержавеющая сталь           | ●●                           |              |                  |                              |                              |
| <b>K</b> Чугун                       | ●●                           | ●●           | ●●               | ●●                           | ●                            |
| <b>N</b> Цветные металлы             | ●●                           | ●●           | ●●               | ●●                           | ●●                           |
| <b>S</b> Жаропрочные сплавы          | ●●                           | ●            | ●                | ●                            | ●                            |
| <b>H</b> Материалы высокой твёрдости |                              |              | ●                |                              |                              |
| <b>O</b> Прочее                      | ●●                           | ●            | ●                |                              | ●●                           |
| Страница в каталоге                  | B 170                        | B 186        | B 168            | B 189                        | B 190                        |
| QR-код                               |                              |              |                  |                              |                              |
| www.walter-tools.com/woc/            | DB130                        | A3367        | DB133            | A1276TFL                     | A1263                        |



# Свёрла твердосплавные с внутренним подводом СОЖ DC260 Advance X-treme Evo



– Длина ступени по DIN 8378  
– Для отверстий под резьбу



|        |    |   |    |    |    |   |   |
|--------|----|---|----|----|----|---|---|
|        | P  | M | K  | N  | S  | H | O |
| WJ30ET | ●● | ● | ●● | ●● | ●● | ● | ● |

B1

| Инструмент  |  | Обозначение        | Для резьбы | D <sub>c</sub><br>m7<br>mm | d <sub>10</sub><br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30ET |
|-------------|--|--------------------|------------|----------------------------|-----------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DIN 6535 HA |  | DC260-03-03.300A1- | M 4        | 3,3                        | 5                     | 11                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|             |  | DC260-03-04.200A1- | M 5        | 4,2                        | 6                     | 14                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|             |  | DC260-03-05.000A1- | M 6        | 5                          | 8                     | 17                   | 79                   | 41                   | 36                   | 8                          | ☺      |
|             |  | DC260-03-06.800A1- | M 8        | 6,8                        | 10                    | 21                   | 89                   | 47                   | 40                   | 10                         | ☺      |
|             |  | DC260-03-08.500A1- | M 10       | 8,5                        | 12                    | 26                   | 102                  | 55                   | 45                   | 12                         | ☺      |
|             |  | DC260-03-10.200A1- | M 12       | 10,2                       | 14                    | 30                   | 107                  | 60                   | 45                   | 14                         | ☺      |
|             |  | DC260-03-12.000A1- | M 14       | 12                         | 16                    | 35                   | 115                  | 65                   | 48                   | 16                         | ☺      |
|             |  | DC260-03-14.000A1- | M 16       | 14                         | 18                    | 39                   | 123                  | 73                   | 48                   | 18                         | ☺      |
| DIN 6535 HE |  | DC260-03-03.300F1- | M 4        | 3,3                        | 5                     | 11                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|             |  | DC260-03-04.200F1- | M 5        | 4,2                        | 6                     | 14                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|             |  | DC260-03-05.000F1- | M 6        | 5                          | 8                     | 17                   | 79                   | 41                   | 36                   | 8                          | ☺      |
|             |  | DC260-03-06.800F1- | M 8        | 6,8                        | 10                    | 21                   | 89                   | 47                   | 40                   | 10                         | ☺      |
|             |  | DC260-03-08.500F1- | M 10       | 8,5                        | 12                    | 26                   | 102                  | 55                   | 45                   | 12                         | ☺      |
|             |  | DC260-03-10.200F1- | M 12       | 10,2                       | 14                    | 30                   | 107                  | 60                   | 45                   | 14                         | ☺      |
|             |  | DC260-03-12.000F1- | M 14       | 12                         | 16                    | 35                   | 115                  | 65                   | 48                   | 16                         | ☺      |
|             |  | DC260-03-14.000F1- | M 16       | 14                         | 18                    | 39                   | 123                  | 73                   | 48                   | 18                         | ☺      |

Пример заказа инструмента из сплава WJ30ET: DC260-03-03.300A1-WJ30ET

WALTER  
SELECT

●● Основная область применения ● Возможная область применения  
Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

# Свёрла твердосплавные, с внутренним подводом СОЖ

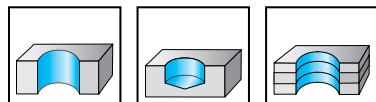
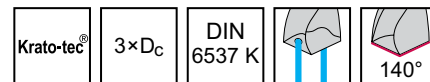
## DC180 Supreme

### X-treme Evo Plus

Powered by Krato-tec®



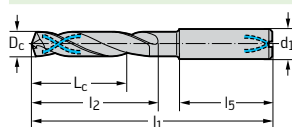
– с инновационным многослойным покрытием Krato-tec®



|        |    |    |    |    |    |    |   |
|--------|----|----|----|----|----|----|---|
|        | P  | M  | K  | N  | S  | H  | O |
| WJ30EZ | ●● | ●● | ●● | ●● | ●● | ●● | ● |

B1

### Инструмент



DIN 6535 HA

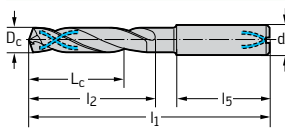
| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub><br>Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30EZ |
|--------------------|----------------------------|---------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC180-03-03.000A1- | 3                          |                           | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
| DC180-03-03.100A1- | 3,1                        |                           | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
| DC180-03-03.175A1- | 3,175                      | 1/8"                      | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
| DC180-03-03.200A1- | 3,2                        |                           | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
| DC180-03-03.300A1- | 3,3                        |                           | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
| DC180-03-03.400A1- | 3,4                        |                           | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
| DC180-03-03.500A1- | 3,5                        |                           | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
| DC180-03-03.572A1- | 3,572                      | 9/64"                     | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
| DC180-03-03.600A1- | 3,6                        |                           | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
| DC180-03-03.700A1- | 3,7                        |                           | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
| DC180-03-03.800A1- | 3,8                        |                           | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
| DC180-03-03.900A1- | 3,9                        |                           | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
| DC180-03-03.969A1- | 3,969                      | 5/32"                     | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
| DC180-03-04.000A1- | 4                          |                           | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
| DC180-03-04.100A1- | 4,1                        |                           | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
| DC180-03-04.200A1- | 4,2                        |                           | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
| DC180-03-04.300A1- | 4,3                        |                           | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
| DC180-03-04.366A1- | 4,366                      | 11/64"                    | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
| DC180-03-04.400A1- | 4,4                        |                           | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
| DC180-03-04.500A1- | 4,5                        |                           | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
| DC180-03-04.600A1- | 4,6                        |                           | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
| DC180-03-04.650A1- | 4,65                       |                           | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
| DC180-03-04.700A1- | 4,7                        |                           | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
| DC180-03-04.763A1- | 4,763                      | 3/16"                     | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC180-03-04.800A1- | 4,8                        |                           | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC180-03-04.900A1- | 4,9                        |                           | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC180-03-05.000A1- | 5                          |                           | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC180-03-05.100A1- | 5,1                        |                           | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC180-03-05.159A1- | 5,159                      | 13/64"                    | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC180-03-05.200A1- | 5,2                        |                           | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC180-03-05.300A1- | 5,3                        |                           | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC180-03-05.400A1- | 5,4                        |                           | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC180-03-05.500A1- | 5,5                        |                           | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC180-03-05.550A1- | 5,55                       |                           | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC180-03-05.556A1- | 5,556                      | 7/32"                     | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC180-03-05.600A1- | 5,6                        |                           | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |

Пример заказа инструмента из сплава WJ30EZ: DC180-03-03.000A1-WJ30EZ

WALTER  
SELECT

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹☹ условий обработки

## Инструмент



DIN 6535 HA

| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30EZ |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC180-03-05.700A1- | 5,7                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC180-03-05.800A1- | 5,8                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC180-03-05.900A1- | 5,9                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC180-03-05.953A1- | 5,953                      | 15/64"                 | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC180-03-06.000A1- | 6                          |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC180-03-06.100A1- | 6,1                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC180-03-06.200A1- | 6,2                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC180-03-06.300A1- | 6,3                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC180-03-06.350A1- | 6,350                      | 1/4"                   | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC180-03-06.400A1- | 6,4                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC180-03-06.500A1- | 6,5                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC180-03-06.600A1- | 6,6                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC180-03-06.700A1- | 6,7                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC180-03-06.747A1- | 6,747                      | 17/64"                 | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC180-03-06.800A1- | 6,8                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC180-03-06.900A1- | 6,9                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC180-03-07.000A1- | 7                          |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC180-03-07.100A1- | 7,1                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC180-03-07.144A1- | 7,144                      | 9/32"                  | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC180-03-07.200A1- | 7,2                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC180-03-07.300A1- | 7,3                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC180-03-07.400A1- | 7,4                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC180-03-07.500A1- | 7,5                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC180-03-07.541A1- | 7,541                      | 19/64"                 | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC180-03-07.800A1- | 7,8                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC180-03-07.900A1- | 7,9                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC180-03-07.938A1- | 7,938                      | 5/16"                  | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC180-03-08.000A1- | 8                          |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC180-03-08.100A1- | 8,1                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC180-03-08.200A1- | 8,2                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC180-03-08.300A1- | 8,3                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC180-03-08.334A1- | 8,334                      | 21/64"                 | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC180-03-08.400A1- | 8,4                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC180-03-08.500A1- | 8,5                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC180-03-08.600A1- | 8,6                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC180-03-08.700A1- | 8,7                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC180-03-08.731A1- | 8,731                      | 11/32"                 | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC180-03-08.800A1- | 8,8                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC180-03-09.000A1- | 9                          |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC180-03-09.128A1- | 9,128                      | 23/64"                 | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC180-03-09.200A1- | 9,2                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC180-03-09.300A1- | 9,3                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC180-03-09.500A1- | 9,5                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC180-03-09.525A1- | 9,525                      | 3/8"                   | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC180-03-09.600A1- | 9,6                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC180-03-09.700A1- | 9,7                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |

Пример заказа инструмента из сплава WJ30EZ: DC180-03-03.000A1-WJ30EZ

WALTER  
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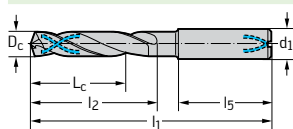
●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

☺ ☹ ☹ / \* = Новый инструмент

Свёрла твердосплавные с внутренним подводом СОЖ

B 27

## Инструмент



| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30EZ |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC180-03-09.800A1- | 9,8                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC180-03-09.922A1- | 9,922                      | 25/64"                 | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC180-03-10.000A1- | 10                         |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC180-03-10.100A1- | 10,1                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC180-03-10.200A1- | 10,2                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC180-03-10.300A1- | 10,3                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC180-03-10.319A1- | 10,319                     | 13/32"                 | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC180-03-10.400A1- | 10,4                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC180-03-10.500A1- | 10,5                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC180-03-10.716A1- | 10,716                     | 27/64"                 | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC180-03-10.800A1- | 10,8                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC180-03-11.000A1- | 11                         |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC180-03-11.100A1- | 11,1                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC180-03-11.113A1- | 11,113                     | 7/16"                  | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC180-03-11.200A1- | 11,2                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC180-03-11.500A1- | 11,5                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC180-03-11.509A1- | 11,509                     | 29/64"                 | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC180-03-11.700A1- | 11,7                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC180-03-11.800A1- | 11,8                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC180-03-11.906A1- | 11,906                     | 15/32"                 | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC180-03-12.000A1- | 12                         |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC180-03-12.100A1- | 12,1                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC180-03-12.200A1- | 12,2                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC180-03-12.300A1- | 12,3                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC180-03-12.303A1- | 12,303                     | 31/64"                 | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC180-03-12.500A1- | 12,5                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC180-03-12.600A1- | 12,6                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC180-03-12.700A1- | 12,700                     | 1/2"                   | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC180-03-13.000A1- | 13                         |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC180-03-13.300A1- | 13,3                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC180-03-13.494A1- | 13,494                     | 17/32"                 | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC180-03-13.500A1- | 13,5                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC180-03-14.000A1- | 14                         |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC180-03-14.288A1- | 14,288                     | 9/16"                  | 45                   | 115                  | 65                   | 48                   | 16                         | ☹      |
| DC180-03-14.500A1- | 14,5                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☹      |
| DC180-03-15.000A1- | 15                         |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☹      |
| DC180-03-15.500A1- | 15,5                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☹      |
| DC180-03-15.875A1- | 15,875                     | 5/8"                   | 45                   | 115                  | 65                   | 48                   | 16                         | ☹      |
| DC180-03-16.000A1- | 16                         |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☹      |
| DC180-03-16.500A1- | 16,5                       |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☹      |
| DC180-03-17.000A1- | 17                         |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☹      |
| DC180-03-17.500A1- | 17,5                       |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☹      |
| DC180-03-18.000A1- | 18                         |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☹      |
| DC180-03-19.050A1- | 19,050                     | 3/4"                   | 55                   | 131                  | 79                   | 50                   | 20                         | ☹      |
| DC180-03-20.000A1- | 20                         |                        | 55                   | 131                  | 79                   | 50                   | 20                         | ☹      |

Пример заказа инструмента из сплава WJ30EZ: DC180-03-03.000A1-WJ30EZ

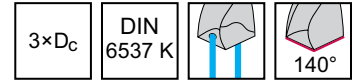
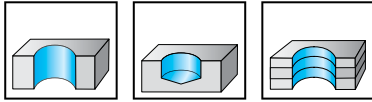
 WALTER  
SELECT

 ●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☹ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

# Твердосплавное спиральное сверло DC175 Supreme



– Walter C направленной подачей СОЖ



|        |   |    |   |   |    |   |   |
|--------|---|----|---|---|----|---|---|
|        | P | M  | K | N | S  | H | O |
| WJ30RZ | ● | ●● | ● | ● | ●● | ● | ● |

B1

| Инструмент | Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30RZ |
|------------|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
|            | DC175-03-03.000A1- | 3                          |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
|            | DC175-03-03.100A1- | 3,1                        |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
|            | DC175-03-03.175A1- | 3,175                      | 1/8"                   | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
|            | DC175-03-03.200A1- | 3,2                        |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
|            | DC175-03-03.250A1- | 3,25                       |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
|            | DC175-03-03.300A1- | 3,3                        |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
|            | DC175-03-03.400A1- | 3,4                        |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
|            | DC175-03-03.500A1- | 3,5                        |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
|            | DC175-03-03.572A1- | 3,572                      | 9/64"                  | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
|            | DC175-03-03.600A1- | 3,6                        |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
|            | DC175-03-03.700A1- | 3,7                        |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
|            | DC175-03-03.800A1- | 3,8                        |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
|            | DC175-03-03.900A1- | 3,9                        |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
|            | DC175-03-03.969A1- | 3,969                      | 5/32"                  | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
|            | DC175-03-04.000A1- | 4                          |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
|            | DC175-03-04.100A1- | 4,1                        |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
|            | DC175-03-04.200A1- | 4,2                        |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
|            | DC175-03-04.300A1- | 4,3                        |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
|            | DC175-03-04.366A1- | 4,366                      | 11/64"                 | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
|            | DC175-03-04.400A1- | 4,4                        |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
|            | DC175-03-04.500A1- | 4,5                        |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
|            | DC175-03-04.600A1- | 4,6                        |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
|            | DC175-03-04.650A1- | 4,65                       |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
|            | DC175-03-04.700A1- | 4,7                        |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
|            | DC175-03-04.763A1- | 4,763                      | 3/16"                  | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|            | DC175-03-04.800A1- | 4,8                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|            | DC175-03-04.900A1- | 4,9                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|            | DC175-03-05.000A1- | 5                          |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|            | DC175-03-05.100A1- | 5,1                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|            | DC175-03-05.159A1- | 5,159                      | 13/64"                 | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|            | DC175-03-05.200A1- | 5,2                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|            | DC175-03-05.300A1- | 5,3                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|            | DC175-03-05.400A1- | 5,4                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|            | DC175-03-05.500A1- | 5,5                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|            | DC175-03-05.550A1- | 5,55                       |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|            | DC175-03-05.556A1- | 5,556                      | 7/32"                  | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |

Пример заказа инструмента из сплава WJ30RZ: DC175-03-03.000A1-WJ30RZ

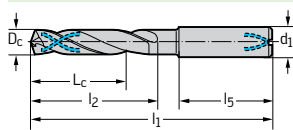
**WALTER SELECT**      ●● Основная область применения      ● Возможная область применения

Оптимально подходит для → хороших = ☺      → нормальных = ☹      → неблагоприятных = ☹☹ условий обработки

☺ ☹ ☹☹ / \* = Новый инструмент

Свёрла твердосплавные с внутренним подводом СОЖ

## Инструмент



DIN 6535 HA

| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30RZ |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC175-03-05.600A1- | 5,6                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC175-03-05.700A1- | 5,7                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC175-03-05.800A1- | 5,8                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC175-03-05.900A1- | 5,9                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC175-03-05.953A1- | 5,953                      | 15/64"                 | 20                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC175-03-06.000A1- | 6                          |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC175-03-06.100A1- | 6,1                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☹      |
| DC175-03-06.200A1- | 6,2                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☹      |
| DC175-03-06.300A1- | 6,3                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☹      |
| DC175-03-06.350A1- | 6,350                      | 1/4"                   | 24                   | 79                   | 34                   | 36                   | 8                          | ☹      |
| DC175-03-06.400A1- | 6,4                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☹      |
| DC175-03-06.500A1- | 6,5                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☹      |
| DC175-03-06.600A1- | 6,6                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☹      |
| DC175-03-06.700A1- | 6,7                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☹      |
| DC175-03-06.747A1- | 6,747                      | 17/64"                 | 24                   | 79                   | 34                   | 36                   | 8                          | ☹      |
| DC175-03-06.800A1- | 6,8                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☹      |
| DC175-03-06.900A1- | 6,9                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☹      |
| DC175-03-07.000A1- | 7                          |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☹      |
| DC175-03-07.100A1- | 7,1                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☹      |
| DC175-03-07.144A1- | 7,144                      | 9/32"                  | 29                   | 79                   | 41                   | 36                   | 8                          | ☹      |
| DC175-03-07.200A1- | 7,2                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☹      |
| DC175-03-07.300A1- | 7,3                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☹      |
| DC175-03-07.400A1- | 7,4                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☹      |
| DC175-03-07.500A1- | 7,5                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☹      |
| DC175-03-07.541A1- | 7,541                      | 19/64"                 | 29                   | 79                   | 41                   | 36                   | 8                          | ☹      |
| DC175-03-07.600A1- | 7,6                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☹      |
| DC175-03-07.700A1- | 7,7                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☹      |
| DC175-03-07.800A1- | 7,8                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☹      |
| DC175-03-07.900A1- | 7,9                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☹      |
| DC175-03-07.938A1- | 7,938                      | 5/16"                  | 29                   | 79                   | 41                   | 36                   | 8                          | ☹      |
| DC175-03-08.000A1- | 8                          |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☹      |
| DC175-03-08.100A1- | 8,1                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC175-03-08.200A1- | 8,2                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC175-03-08.300A1- | 8,3                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC175-03-08.334A1- | 8,334                      | 21/64"                 | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC175-03-08.400A1- | 8,4                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC175-03-08.500A1- | 8,5                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC175-03-08.600A1- | 8,6                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC175-03-08.700A1- | 8,7                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC175-03-08.731A1- | 8,731                      | 11/32"                 | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC175-03-08.800A1- | 8,8                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC175-03-08.900A1- | 8,9                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC175-03-09.000A1- | 9                          |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC175-03-09.100A1- | 9,1                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC175-03-09.128A1- | 9,128                      | 23/64"                 | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC175-03-09.200A1- | 9,2                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |

Пример заказа инструмента из сплава WJ30RZ: DC175-03-03.000A1-WJ30RZ

**WALTER  
SELECT**

 ●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☹ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

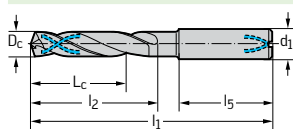
| Инструмент         | Обозначение        | D <sub>c</sub> | L <sub>c</sub> | l <sub>1</sub> | l <sub>2</sub> | l <sub>5</sub> | d <sub>1</sub><br>h6 | WJ30RZ |                        |
|--------------------|--------------------|----------------|----------------|----------------|----------------|----------------|----------------------|--------|------------------------|
|                    |                    | m7<br>mm       |                |                |                |                |                      |        | D <sub>c</sub> Inch/Nr |
|                    | DC175-03-09.300A1- | 9,3            | 35             | 89             | 47             | 40             | 10                   | ☺      |                        |
|                    | DC175-03-09.400A1- | 9,4            | 35             | 89             | 47             | 40             | 10                   | ☺      |                        |
|                    | DC175-03-09.500A1- | 9,5            | 35             | 89             | 47             | 40             | 10                   | ☺      |                        |
|                    | DC175-03-09.525A1- | 9,525          | 3/8"           | 35             | 89             | 47             | 40                   | 10     | ☺                      |
|                    | DC175-03-09.600A1- | 9,6            | 35             | 89             | 47             | 40             | 10                   | ☺      |                        |
|                    | DC175-03-09.700A1- | 9,7            | 35             | 89             | 47             | 40             | 10                   | ☺      |                        |
|                    | DC175-03-09.800A1- | 9,8            | 35             | 89             | 47             | 40             | 10                   | ☺      |                        |
|                    | DC175-03-09.900A1- | 9,9            | 35             | 89             | 47             | 40             | 10                   | ☺      |                        |
|                    | DC175-03-09.922A1- | 9,922          | 25/64"         | 35             | 89             | 47             | 40                   | 10     | ☺                      |
|                    | DC175-03-10.000A1- | 10             | 35             | 89             | 47             | 40             | 10                   | ☺      |                        |
|                    | DC175-03-10.100A1- | 10,1           | 40             | 102            | 55             | 45             | 12                   | ☺      |                        |
|                    | DC175-03-10.200A1- | 10,2           | 40             | 102            | 55             | 45             | 12                   | ☺      |                        |
|                    | DC175-03-10.300A1- | 10,3           | 40             | 102            | 55             | 45             | 12                   | ☺      |                        |
|                    | DC175-03-10.319A1- | 10,319         | 13/32"         | 40             | 102            | 55             | 45                   | 12     | ☺                      |
|                    | DC175-03-10.400A1- | 10,4           | 40             | 102            | 55             | 45             | 12                   | ☺      |                        |
|                    | DC175-03-10.500A1- | 10,5           | 40             | 102            | 55             | 45             | 12                   | ☺      |                        |
|                    | DC175-03-10.600A1- | 10,6           | 40             | 102            | 55             | 45             | 12                   | ☺      |                        |
|                    | DC175-03-10.700A1- | 10,7           | 40             | 102            | 55             | 45             | 12                   | ☺      |                        |
|                    | DC175-03-10.716A1- | 10,716         | 27/64"         | 40             | 102            | 55             | 45                   | 12     | ☺                      |
|                    | DC175-03-10.800A1- | 10,8           | 40             | 102            | 55             | 45             | 12                   | ☺      |                        |
|                    | DC175-03-10.900A1- | 10,9           | 40             | 102            | 55             | 45             | 12                   | ☺      |                        |
|                    | DC175-03-11.000A1- | 11             | 40             | 102            | 55             | 45             | 12                   | ☺      |                        |
|                    | DC175-03-11.100A1- | 11,1           | 40             | 102            | 55             | 45             | 12                   | ☺      |                        |
|                    | DC175-03-11.113A1- | 11,113         | 7/16"          | 40             | 102            | 55             | 45                   | 12     | ☺                      |
|                    | DC175-03-11.200A1- | 11,2           | 40             | 102            | 55             | 45             | 12                   | ☺      |                        |
|                    | DC175-03-11.300A1- | 11,3           | 40             | 102            | 55             | 45             | 12                   | ☺      |                        |
|                    | DC175-03-11.400A1- | 11,4           | 40             | 102            | 55             | 45             | 12                   | ☺      |                        |
|                    | DC175-03-11.500A1- | 11,5           | 40             | 102            | 55             | 45             | 12                   | ☺      |                        |
|                    | DC175-03-11.509A1- | 11,509         | 29/64"         | 40             | 102            | 55             | 45                   | 12     | ☺                      |
|                    | DC175-03-11.600A1- | 11,6           | 40             | 102            | 55             | 45             | 12                   | ☺      |                        |
|                    | DC175-03-11.700A1- | 11,7           | 40             | 102            | 55             | 45             | 12                   | ☺      |                        |
|                    | DC175-03-11.800A1- | 11,8           | 40             | 102            | 55             | 45             | 12                   | ☺      |                        |
|                    | DC175-03-11.900A1- | 11,9           | 40             | 102            | 55             | 45             | 12                   | ☺      |                        |
|                    | DC175-03-12.000A1- | 12             | 40             | 102            | 55             | 45             | 12                   | ☺      |                        |
|                    | DC175-03-12.100A1- | 12,1           | 43             | 107            | 60             | 45             | 14                   | ☺      |                        |
| DC175-03-12.200A1- | 12,2               | 43             | 107            | 60             | 45             | 14             | ☺                    |        |                        |
| DC175-03-12.300A1- | 12,3               | 43             | 107            | 60             | 45             | 14             | ☺                    |        |                        |
| DC175-03-12.303A1- | 12,303             | 31/64"         | 43             | 107            | 60             | 45             | 14                   | ☺      |                        |
| DC175-03-12.500A1- | 12,5               | 43             | 107            | 60             | 45             | 14             | ☺                    |        |                        |
| DC175-03-12.600A1- | 12,6               | 43             | 107            | 60             | 45             | 14             | ☺                    |        |                        |
| DC175-03-12.700A1- | 12,700             | 1/2"           | 43             | 107            | 60             | 45             | 14                   | ☺      |                        |
| DC175-03-12.900A1- | 12,9               | 43             | 107            | 60             | 45             | 14             | ☺                    |        |                        |
| DC175-03-13.000A1- | 13                 | 43             | 107            | 60             | 45             | 14             | ☺                    |        |                        |
| DC175-03-13.100A1- | 13,1               | 43             | 107            | 60             | 45             | 14             | ☺                    |        |                        |
| DC175-03-13.300A1- | 13,3               | 43             | 107            | 60             | 45             | 14             | ☺                    |        |                        |
| DC175-03-13.494A1- | 13,494             | 17/32"         | 43             | 107            | 60             | 45             | 14                   | ☺      |                        |

Пример заказа инструмента из сплава WJ30RZ: DC175-03-03.000A1-WJ30RZ

**WALTER  
SELECT**

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки

## Инструмент



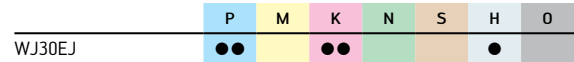
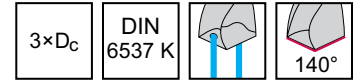
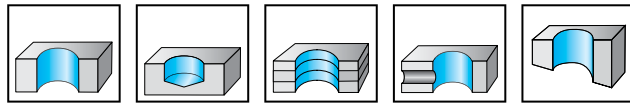
DIN 6535 HA

| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30RZ |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC175-03-13.500A1- | 13,5                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☺      |
| DC175-03-13.800A1- | 13,8                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☺      |
| DC175-03-14.000A1- | 14                         |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☺      |
| DC175-03-14.200A1- | 14,2                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
| DC175-03-14.288A1- | 14,288                     | 9/16"                  | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
| DC175-03-14.500A1- | 14,5                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
| DC175-03-14.750A1- | 14,75                      |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
| DC175-03-15.000A1- | 15                         |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
| DC175-03-15.100A1- | 15,1                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
| DC175-03-15.200A1- | 15,2                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
| DC175-03-15.300A1- | 15,3                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
| DC175-03-15.500A1- | 15,5                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
| DC175-03-15.800A1- | 15,8                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
| DC175-03-16.000A1- | 16                         |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
| DC175-03-16.500A1- | 16,5                       |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☺      |
| DC175-03-17.500A1- | 17,5                       |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☺      |
| DC175-03-18.000A1- | 18                         |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☺      |
| DC175-03-18.500A1- | 18,5                       |                        | 55                   | 131                  | 79                   | 50                   | 20                         | ☺      |
| DC175-03-19.000A1- | 19                         |                        | 55                   | 131                  | 79                   | 50                   | 20                         | ☺      |
| DC175-03-19.500A1- | 19,5                       |                        | 55                   | 131                  | 79                   | 50                   | 20                         | ☺      |
| DC175-03-20.000A1- | 20                         |                        | 55                   | 131                  | 79                   | 50                   | 20                         | ☺      |

Пример заказа инструмента из сплава WJ30RZ: DC175-03-03.000A1-WJ30RZ



# Свёрла твердосплавные, с внутренним подводом СОЖ DC170 Supreme



B1

| Инструмент | Обозначение        | D <sub>c</sub><br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30EJ |
|------------|--------------------|----------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
|            | DC170-03-03.000A1- | 3                    |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
|            | DC170-03-03.100A1- | 3,1                  |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
|            | DC170-03-03.175A1- | 3,175                | 1/8"                   | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
|            | DC170-03-03.200A1- | 3,2                  |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
|            | DC170-03-03.300A1- | 3,3                  |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
|            | DC170-03-03.400A1- | 3,4                  |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
|            | DC170-03-03.500A1- | 3,5                  |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
|            | DC170-03-03.572A1- | 3,572                | 9/64"                  | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
|            | DC170-03-03.600A1- | 3,6                  |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
|            | DC170-03-03.700A1- | 3,7                  |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
|            | DC170-03-03.800A1- | 3,8                  |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
|            | DC170-03-03.900A1- | 3,9                  |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
|            | DC170-03-03.969A1- | 3,969                | 5/32"                  | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
|            | DC170-03-04.000A1- | 4                    |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
|            | DC170-03-04.100A1- | 4,1                  |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
|            | DC170-03-04.200A1- | 4,2                  |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
|            | DC170-03-04.300A1- | 4,3                  |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
|            | DC170-03-04.366A1- | 4,366                | 11/64"                 | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
|            | DC170-03-04.400A1- | 4,4                  |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
|            | DC170-03-04.500A1- | 4,5                  |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
|            | DC170-03-04.600A1- | 4,6                  |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
|            | DC170-03-04.650A1- | 4,65                 |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
|            | DC170-03-04.700A1- | 4,7                  |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
|            | DC170-03-04.763A1- | 4,763                | 3/16"                  | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|            | DC170-03-04.800A1- | 4,8                  |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|            | DC170-03-04.900A1- | 4,9                  |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|            | DC170-03-05.000A1- | 5                    |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|            | DC170-03-05.100A1- | 5,1                  |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|            | DC170-03-05.159A1- | 5,159                | 13/64"                 | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|            | DC170-03-05.200A1- | 5,2                  |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|            | DC170-03-05.300A1- | 5,3                  |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|            | DC170-03-05.400A1- | 5,4                  |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|            | DC170-03-05.500A1- | 5,5                  |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|            | DC170-03-05.550A1- | 5,55                 |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|            | DC170-03-05.556A1- | 5,556                | 7/32"                  | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|            | DC170-03-05.600A1- | 5,6                  |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |

Пример заказа инструмента из сплава WJ30EJ: DC170-03-03.000A1-WJ30EJ

**WALTER SELECT**

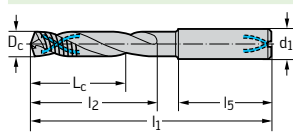
☺☺ Основная область применения    ● Возможная область применения

Оптимально подходит для → хороших = ☺ → нормальных = ☺ → неблагоприятных = ☹ условий обработки

☺ ☹ ☹ / \* = Новый инструмент

Свёрла твердосплавные с внутренним подводом СОЖ

## Инструмент



DIN 6535 HA

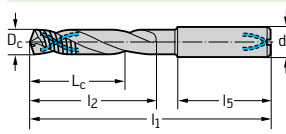
| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30EJ |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC170-03-05.700A1- | 5,7                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC170-03-05.800A1- | 5,8                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC170-03-05.900A1- | 5,9                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC170-03-05.953A1- | 5,953                      | 15/64"                 | 20                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC170-03-06.000A1- | 6                          |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC170-03-06.100A1- | 6,1                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☹      |
| DC170-03-06.200A1- | 6,2                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☹      |
| DC170-03-06.300A1- | 6,3                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☹      |
| DC170-03-06.350A1- | 6,350                      | 1/4"                   | 24                   | 79                   | 34                   | 36                   | 8                          | ☹      |
| DC170-03-06.400A1- | 6,4                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☹      |
| DC170-03-06.500A1- | 6,5                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☹      |
| DC170-03-06.600A1- | 6,6                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☹      |
| DC170-03-06.700A1- | 6,7                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☹      |
| DC170-03-06.747A1- | 6,747                      | 17/64"                 | 24                   | 79                   | 34                   | 36                   | 8                          | ☹      |
| DC170-03-06.800A1- | 6,8                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☹      |
| DC170-03-06.900A1- | 6,9                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☹      |
| DC170-03-07.000A1- | 7                          |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☹      |
| DC170-03-07.100A1- | 7,1                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☹      |
| DC170-03-07.144A1- | 7,144                      | 9/32"                  | 29                   | 79                   | 41                   | 36                   | 8                          | ☹      |
| DC170-03-07.200A1- | 7,2                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☹      |
| DC170-03-07.300A1- | 7,3                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☹      |
| DC170-03-07.400A1- | 7,4                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☹      |
| DC170-03-07.500A1- | 7,5                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☹      |
| DC170-03-07.541A1- | 7,541                      | 19/64"                 | 29                   | 79                   | 41                   | 36                   | 8                          | ☹      |
| DC170-03-07.800A1- | 7,8                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☹      |
| DC170-03-07.900A1- | 7,9                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☹      |
| DC170-03-07.938A1- | 7,938                      | 5/16"                  | 29                   | 79                   | 41                   | 36                   | 8                          | ☹      |
| DC170-03-08.000A1- | 8                          |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☹      |
| DC170-03-08.100A1- | 8,1                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC170-03-08.200A1- | 8,2                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC170-03-08.300A1- | 8,3                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC170-03-08.500A1- | 8,5                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC170-03-08.600A1- | 8,6                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC170-03-08.700A1- | 8,7                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC170-03-08.731A1- | 8,731                      | 11/32"                 | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC170-03-08.800A1- | 8,8                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC170-03-09.000A1- | 9                          |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC170-03-09.128A1- | 9,128                      | 23/64"                 | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC170-03-09.200A1- | 9,2                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC170-03-09.300A1- | 9,3                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC170-03-09.500A1- | 9,5                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC170-03-09.525A1- | 9,525                      | 3/8"                   | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC170-03-09.600A1- | 9,6                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC170-03-09.700A1- | 9,7                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC170-03-09.800A1- | 9,8                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC170-03-09.922A1- | 9,922                      | 25/64"                 | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |

Пример заказа инструмента из сплава WJ30EJ: DC170-03-03.000A1-WJ30EJ

**WALTER  
SELECT**

 ●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☹ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

## Инструмент



| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30EJ |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC170-03-10.000A1- | 10                         |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC170-03-10.100A1- | 10,1                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC170-03-10.200A1- | 10,2                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC170-03-10.300A1- | 10,3                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC170-03-10.319A1- | 10,319                     | 13/32"                 | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC170-03-10.400A1- | 10,4                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC170-03-10.500A1- | 10,5                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC170-03-10.716A1- | 10,716                     | 27/64"                 | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC170-03-10.800A1- | 10,8                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC170-03-11.000A1- | 11                         |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC170-03-11.100A1- | 11,1                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC170-03-11.113A1- | 11,113                     | 7/16"                  | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC170-03-11.200A1- | 11,2                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC170-03-11.500A1- | 11,5                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC170-03-11.509A1- | 11,509                     | 29/64"                 | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC170-03-11.700A1- | 11,7                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC170-03-11.800A1- | 11,8                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC170-03-12.000A1- | 12                         |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC170-03-12.100A1- | 12,1                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☺      |
| DC170-03-12.200A1- | 12,2                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☺      |
| DC170-03-12.300A1- | 12,3                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☺      |
| DC170-03-12.500A1- | 12,5                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☺      |
| DC170-03-12.600A1- | 12,6                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☺      |
| DC170-03-12.700A1- | 12,700                     | 1/2"                   | 43                   | 107                  | 60                   | 45                   | 14                         | ☺      |
| DC170-03-13.000A1- | 13                         |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☺      |
| DC170-03-13.300A1- | 13,3                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☺      |
| DC170-03-13.494A1- | 13,494                     | 17/32"                 | 43                   | 107                  | 60                   | 45                   | 14                         | ☺      |
| DC170-03-13.500A1- | 13,5                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☺      |
| DC170-03-14.000A1- | 14                         |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☺      |
| DC170-03-14.288A1- | 14,288                     | 9/16"                  | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
| DC170-03-14.500A1- | 14,5                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
| DC170-03-15.000A1- | 15                         |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
| DC170-03-15.875A1- | 15,875                     | 5/8"                   | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
| DC170-03-16.000A1- | 16                         |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
| DC170-03-16.500A1- | 16,5                       |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☺      |
| DC170-03-17.000A1- | 17                         |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☺      |
| DC170-03-17.500A1- | 17,5                       |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☺      |
| DC170-03-18.000A1- | 18                         |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☺      |
| DC170-03-19.050A1- | 19,050                     | 3/4"                   | 55                   | 131                  | 79                   | 50                   | 20                         | ☺      |
| DC170-03-20.000A1- | 20                         |                        | 55                   | 131                  | 79                   | 50                   | 20                         | ☺      |

Пример заказа инструмента из сплава WJ30EJ: DC170-03-03.000A1-WJ30EJ

**WALTER  
SELECT**

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки

☺ ☹ ☹☹ / \* = Новый инструмент

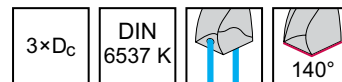
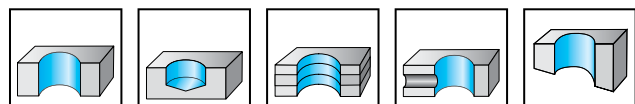
Свёрла твердосплавные с внутренним подводом СОЖ

В 35

# Свёрла твердосплавные с внутренним подводом СОЖ

## DC160 Advance

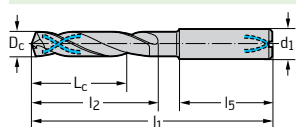
### X-treme Evo



|        |    |   |    |    |    |   |   |
|--------|----|---|----|----|----|---|---|
|        | P  | M | K  | N  | S  | H | O |
| WJ30ET | ●● | ● | ●● | ●● | ●● | ● | ● |

B1

#### Инструмент



DIN 6535 HA

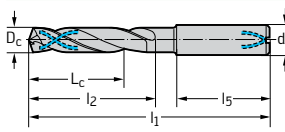
| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30ET |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC160-03-03.000A1- | 3                          |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☹      |
| DC160-03-03.100A1- | 3,1                        |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☹      |
| DC160-03-03.175A1- | 3,175                      | 1/8"                   | 14                   | 62                   | 20                   | 36                   | 6                          | ☹      |
| DC160-03-03.200A1- | 3,2                        |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☹      |
| DC160-03-03.250A1- | 3,25                       |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☹      |
| DC160-03-03.300A1- | 3,3                        |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☹      |
| DC160-03-03.400A1- | 3,4                        |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☹      |
| DC160-03-03.500A1- | 3,5                        |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☹      |
| DC160-03-03.572A1- | 3,572                      | 9/64"                  | 14                   | 62                   | 20                   | 36                   | 6                          | ☹      |
| DC160-03-03.600A1- | 3,6                        |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☹      |
| DC160-03-03.650A1- | 3,65                       |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☹      |
| DC160-03-03.700A1- | 3,7                        |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☹      |
| DC160-03-03.800A1- | 3,8                        |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC160-03-03.900A1- | 3,9                        |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC160-03-03.969A1- | 3,969                      | 5/32"                  | 17                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC160-03-04.000A1- | 4                          |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC160-03-04.100A1- | 4,1                        |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC160-03-04.200A1- | 4,2                        |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC160-03-04.300A1- | 4,3                        |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC160-03-04.366A1- | 4,366                      | 11/64"                 | 17                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC160-03-04.400A1- | 4,4                        |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC160-03-04.500A1- | 4,5                        |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC160-03-04.600A1- | 4,6                        |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC160-03-04.650A1- | 4,65                       |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC160-03-04.700A1- | 4,7                        |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC160-03-04.763A1- | 4,763                      | 3/16"                  | 20                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC160-03-04.800A1- | 4,8                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC160-03-04.900A1- | 4,9                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC160-03-05.000A1- | 5                          |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC160-03-05.100A1- | 5,1                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC160-03-05.159A1- | 5,159                      | 13/64"                 | 20                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC160-03-05.200A1- | 5,2                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC160-03-05.300A1- | 5,3                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC160-03-05.400A1- | 5,4                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC160-03-05.500A1- | 5,5                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC160-03-05.550A1- | 5,55                       |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☹      |

Пример заказа инструмента из сплава WJ30ET: DC160-03-03.000A1-WJ30ET

**WALTER  
SELECT**

 ●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹☹ условий обработки

## Инструмент



DIN 6535 HA

| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30ET |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC160-03-05.556A1- | 5,556                      | 7/32"                  | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC160-03-05.600A1- | 5,6                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC160-03-05.700A1- | 5,7                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC160-03-05.800A1- | 5,8                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC160-03-05.900A1- | 5,9                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC160-03-05.953A1- | 5,953                      | 15/64"                 | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC160-03-06.000A1- | 6                          |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC160-03-06.100A1- | 6,1                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC160-03-06.200A1- | 6,2                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC160-03-06.300A1- | 6,3                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC160-03-06.350A1- | 6,350                      | 1/4"                   | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC160-03-06.400A1- | 6,4                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC160-03-06.500A1- | 6,5                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC160-03-06.600A1- | 6,6                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC160-03-06.700A1- | 6,7                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC160-03-06.747A1- | 6,747                      | 17/64"                 | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC160-03-06.800A1- | 6,8                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC160-03-06.900A1- | 6,9                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC160-03-07.000A1- | 7                          |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC160-03-07.100A1- | 7,1                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC160-03-07.144A1- | 7,144                      | 9/32"                  | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC160-03-07.200A1- | 7,2                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC160-03-07.300A1- | 7,3                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC160-03-07.400A1- | 7,4                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC160-03-07.500A1- | 7,5                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC160-03-07.541A1- | 7,541                      | 19/64"                 | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC160-03-07.550A1- | 7,55                       |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC160-03-07.600A1- | 7,6                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC160-03-07.700A1- | 7,7                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC160-03-07.800A1- | 7,8                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC160-03-07.900A1- | 7,9                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC160-03-07.938A1- | 7,938                      | 5/16"                  | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC160-03-08.000A1- | 8                          |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC160-03-08.100A1- | 8,1                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC160-03-08.200A1- | 8,2                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC160-03-08.300A1- | 8,3                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC160-03-08.334A1- | 8,334                      | 21/64"                 | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC160-03-08.400A1- | 8,4                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC160-03-08.500A1- | 8,5                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC160-03-08.600A1- | 8,6                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC160-03-08.700A1- | 8,7                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC160-03-08.731A1- | 8,731                      | 11/32"                 | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC160-03-08.800A1- | 8,8                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC160-03-08.900A1- | 8,9                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC160-03-09.000A1- | 9                          |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC160-03-09.100A1- | 9,1                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |

Пример заказа инструмента из сплава WJ30ET: DC160-03-03.000A1-WJ30ET

WALTER  
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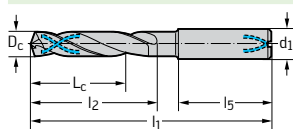
●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки

☺ ☹ ☹☹ / \* = Новый инструмент

Свёрла твердосплавные с внутренним подводом СОЖ

B 37

## Инструмент



| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30ET |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC160-03-09.128A1- | 9,128                      | 23/64"                 | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC160-03-09.200A1- | 9,2                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC160-03-09.300A1- | 9,3                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC160-03-09.400A1- | 9,4                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC160-03-09.500A1- | 9,5                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC160-03-09.525A1- | 9,525                      | 3/8"                   | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC160-03-09.550A1- | 9,55                       |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC160-03-09.600A1- | 9,6                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC160-03-09.700A1- | 9,7                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC160-03-09.800A1- | 9,8                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC160-03-09.900A1- | 9,9                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC160-03-09.922A1- | 9,922                      | 25/64"                 | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC160-03-10.000A1- | 10                         |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC160-03-10.100A1- | 10,1                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC160-03-10.200A1- | 10,2                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC160-03-10.300A1- | 10,3                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC160-03-10.319A1- | 10,319                     | 13/32"                 | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC160-03-10.400A1- | 10,4                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC160-03-10.500A1- | 10,5                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC160-03-10.600A1- | 10,6                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC160-03-10.700A1- | 10,7                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC160-03-10.716A1- | 10,716                     | 27/64"                 | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC160-03-10.800A1- | 10,8                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC160-03-10.900A1- | 10,9                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC160-03-11.000A1- | 11                         |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC160-03-11.100A1- | 11,1                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC160-03-11.113A1- | 11,113                     | 7/16"                  | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC160-03-11.200A1- | 11,2                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC160-03-11.300A1- | 11,3                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC160-03-11.400A1- | 11,4                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC160-03-11.500A1- | 11,5                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC160-03-11.509A1- | 11,509                     | 29/64"                 | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC160-03-11.550A1- | 11,55                      |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC160-03-11.600A1- | 11,6                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC160-03-11.700A1- | 11,7                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC160-03-11.800A1- | 11,8                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC160-03-11.900A1- | 11,9                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC160-03-11.906A1- | 11,906                     | 15/32"                 | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC160-03-12.000A1- | 12                         |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC160-03-12.100A1- | 12,1                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC160-03-12.200A1- | 12,2                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC160-03-12.250A1- | 12,25                      |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC160-03-12.300A1- | 12,3                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC160-03-12.303A1- | 12,303                     | 31/64"                 | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC160-03-12.400A1- | 12,4                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC160-03-12.500A1- | 12,5                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |

Пример заказа инструмента из сплава WJ30ET: DC160-03-03.000A1-WJ30ET

**WALTER  
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 ●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☹ → нормальных = ☹☹ → неблагоприятных = ☹☹☹ условий обработки

| Инструмент         |                    | $D_c$<br>m7<br>mm | $D_c$ Inch/Nr | $L_c$<br>mm | $h_1$<br>mm | $l_2$<br>mm | $l_5$<br>mm | $d_1$<br>h6<br>mm | WJ30ET |
|--------------------|--------------------|-------------------|---------------|-------------|-------------|-------------|-------------|-------------------|--------|
| <p>DIN 6535 HA</p> | Обозначение        |                   |               |             |             |             |             |                   |        |
|                    | DC160-03-12.600A1- | 12,6              |               | 43          | 107         | 60          | 45          | 14                | ☺      |
|                    | DC160-03-12.700A1- | 12,700            | 1/2"          | 43          | 107         | 60          | 45          | 14                | ☺      |
|                    | DC160-03-12.750A1- | 12,75             |               | 43          | 107         | 60          | 45          | 14                | ☺      |
|                    | DC160-03-12.800A1- | 12,8              |               | 43          | 107         | 60          | 45          | 14                | ☺      |
|                    | DC160-03-12.900A1- | 12,9              |               | 43          | 107         | 60          | 45          | 14                | ☺      |
|                    | DC160-03-13.000A1- | 13                |               | 43          | 107         | 60          | 45          | 14                | ☺      |
|                    | DC160-03-13.100A1- | 13,1              |               | 43          | 107         | 60          | 45          | 14                | ☺      |
|                    | DC160-03-13.200A1- | 13,2              |               | 43          | 107         | 60          | 45          | 14                | ☺      |
|                    | DC160-03-13.300A1- | 13,3              |               | 43          | 107         | 60          | 45          | 14                | ☺      |
|                    | DC160-03-13.400A1- | 13,4              |               | 43          | 107         | 60          | 45          | 14                | ☺      |
|                    | DC160-03-13.494A1- | 13,494            | 17/32"        | 43          | 107         | 60          | 45          | 14                | ☺      |
|                    | DC160-03-13.500A1- | 13,5              |               | 43          | 107         | 60          | 45          | 14                | ☺      |
|                    | DC160-03-13.600A1- | 13,6              |               | 43          | 107         | 60          | 45          | 14                | ☺      |
|                    | DC160-03-13.700A1- | 13,7              |               | 43          | 107         | 60          | 45          | 14                | ☺      |
|                    | DC160-03-13.800A1- | 13,8              |               | 43          | 107         | 60          | 45          | 14                | ☺      |
|                    | DC160-03-13.900A1- | 13,9              |               | 43          | 107         | 60          | 45          | 14                | ☺      |
|                    | DC160-03-14.000A1- | 14                |               | 43          | 107         | 60          | 45          | 14                | ☺      |
|                    | DC160-03-14.100A1- | 14,1              |               | 45          | 115         | 65          | 48          | 16                | ☺      |
|                    | DC160-03-14.200A1- | 14,2              |               | 45          | 115         | 65          | 48          | 16                | ☺      |
|                    | DC160-03-14.288A1- | 14,288            | 9/16"         | 45          | 115         | 65          | 48          | 16                | ☺      |
|                    | DC160-03-14.300A1- | 14,3              |               | 45          | 115         | 65          | 48          | 16                | ☺      |
|                    | DC160-03-14.400A1- | 14,4              |               | 45          | 115         | 65          | 48          | 16                | ☺      |
|                    | DC160-03-14.500A1- | 14,5              |               | 45          | 115         | 65          | 48          | 16                | ☺      |
|                    | DC160-03-14.600A1- | 14,6              |               | 45          | 115         | 65          | 48          | 16                | ☺      |
|                    | DC160-03-14.700A1- | 14,7              |               | 45          | 115         | 65          | 48          | 16                | ☺      |
|                    | DC160-03-14.800A1- | 14,8              |               | 45          | 115         | 65          | 48          | 16                | ☺      |
|                    | DC160-03-15.000A1- | 15                |               | 45          | 115         | 65          | 48          | 16                | ☺      |
|                    | DC160-03-15.100A1- | 15,1              |               | 45          | 115         | 65          | 48          | 16                | ☺      |
|                    | DC160-03-15.200A1- | 15,2              |               | 45          | 115         | 65          | 48          | 16                | ☺      |
|                    | DC160-03-15.300A1- | 15,3              |               | 45          | 115         | 65          | 48          | 16                | ☺      |
|                    | DC160-03-15.500A1- | 15,5              |               | 45          | 115         | 65          | 48          | 16                | ☺      |
|                    | DC160-03-15.600A1- | 15,6              |               | 45          | 115         | 65          | 48          | 16                | ☺      |
|                    | DC160-03-15.700A1- | 15,7              |               | 45          | 115         | 65          | 48          | 16                | ☺      |
| DC160-03-15.800A1- | 15,8               |                   | 45            | 115         | 65          | 48          | 16          | ☺                 |        |
| DC160-03-15.875A1- | 15,875             | 5/8"              | 45            | 115         | 65          | 48          | 16          | ☺                 |        |
| DC160-03-15.900A1- | 15,9               |                   | 45            | 115         | 65          | 48          | 16          | ☺                 |        |
| DC160-03-16.000A1- | 16                 |                   | 45            | 115         | 65          | 48          | 16          | ☺                 |        |
| DC160-03-16.100A1- | 16,1               |                   | 51            | 123         | 73          | 48          | 18          | ☺                 |        |
| DC160-03-16.200A1- | 16,2               |                   | 51            | 123         | 73          | 48          | 18          | ☺                 |        |
| DC160-03-16.300A1- | 16,3               |                   | 51            | 123         | 73          | 48          | 18          | ☺                 |        |
| DC160-03-16.400A1- | 16,4               |                   | 51            | 123         | 73          | 48          | 18          | ☺                 |        |
| DC160-03-16.500A1- | 16,5               |                   | 51            | 123         | 73          | 48          | 18          | ☺                 |        |
| DC160-03-16.600A1- | 16,6               |                   | 51            | 123         | 73          | 48          | 18          | ☺                 |        |
| DC160-03-16.700A1- | 16,7               |                   | 51            | 123         | 73          | 48          | 18          | ☺                 |        |
| DC160-03-16.750A1- | 16,75              |                   | 51            | 123         | 73          | 48          | 18          | ☺                 |        |
| DC160-03-16.800A1- | 16,8               |                   | 51            | 123         | 73          | 48          | 18          | ☺                 |        |

Пример заказа инструмента из сплава WJ30ET: DC160-03-03.000A1-WJ30ET

**WALTER  
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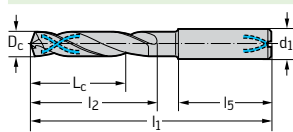
●● Основная область применения ● Возможная область применения  
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☺ ☹ ☹☹ / \* = Новый инструмент

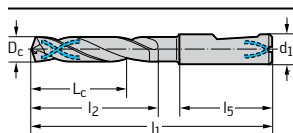
Свёрла твердосплавные с внутренним подводом СОЖ

B 39

## Инструмент



DIN 6535 HA



DIN 6535 HE

| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30ET |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC160-03-17.000A1- | 17                         |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☹☹     |
| DC160-03-17.200A1- | 17,2                       |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☹☹     |
| DC160-03-17.300A1- | 17,3                       |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☹☹     |
| DC160-03-17.500A1- | 17,5                       |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☹☹     |
| DC160-03-17.600A1- | 17,6                       |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☹☹     |
| DC160-03-17.700A1- | 17,7                       |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☹☹     |
| DC160-03-17.800A1- | 17,8                       |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☹☹     |
| DC160-03-18.000A1- | 18                         |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☹☹     |
| DC160-03-18.200A1- | 18,2                       |                        | 55                   | 131                  | 79                   | 50                   | 20                         | ☹☹     |
| DC160-03-18.500A1- | 18,5                       |                        | 55                   | 131                  | 79                   | 50                   | 20                         | ☹☹     |
| DC160-03-18.700A1- | 18,7                       |                        | 55                   | 131                  | 79                   | 50                   | 20                         | ☹☹     |
| DC160-03-18.800A1- | 18,8                       |                        | 55                   | 131                  | 79                   | 50                   | 20                         | ☹☹     |
| DC160-03-19.000A1- | 19                         |                        | 55                   | 131                  | 79                   | 50                   | 20                         | ☹☹     |
| DC160-03-19.050A1- | 19,050                     | 3/4"                   | 55                   | 131                  | 79                   | 50                   | 20                         | ☹☹     |
| DC160-03-19.500A1- | 19,5                       |                        | 55                   | 131                  | 79                   | 50                   | 20                         | ☹☹     |
| DC160-03-19.700A1- | 19,7                       |                        | 55                   | 131                  | 79                   | 50                   | 20                         | ☹☹     |
| DC160-03-19.800A1- | 19,8                       |                        | 55                   | 131                  | 79                   | 50                   | 20                         | ☹☹     |
| DC160-03-20.000A1- | 20                         |                        | 55                   | 131                  | 79                   | 50                   | 20                         | ☹☹     |
| DC160-03-03.000F1- | 3                          |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☹☹     |
| DC160-03-03.100F1- | 3,1                        |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☹☹     |
| DC160-03-03.200F1- | 3,2                        |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☹☹     |
| DC160-03-03.250F1- | 3,25                       |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☹☹     |
| DC160-03-03.300F1- | 3,3                        |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☹☹     |
| DC160-03-03.400F1- | 3,4                        |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☹☹     |
| DC160-03-03.500F1- | 3,5                        |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☹☹     |
| DC160-03-03.600F1- | 3,6                        |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☹☹     |
| DC160-03-03.650F1- | 3,65                       |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☹☹     |
| DC160-03-03.700F1- | 3,7                        |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☹☹     |
| DC160-03-03.800F1- | 3,8                        |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☹☹     |
| DC160-03-03.900F1- | 3,9                        |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☹☹     |
| DC160-03-04.000F1- | 4                          |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☹☹     |
| DC160-03-04.100F1- | 4,1                        |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☹☹     |
| DC160-03-04.200F1- | 4,2                        |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☹☹     |
| DC160-03-04.300F1- | 4,3                        |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☹☹     |
| DC160-03-04.400F1- | 4,4                        |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☹☹     |
| DC160-03-04.500F1- | 4,5                        |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☹☹     |
| DC160-03-04.600F1- | 4,6                        |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☹☹     |
| DC160-03-04.650F1- | 4,65                       |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☹☹     |
| DC160-03-04.700F1- | 4,7                        |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☹☹     |
| DC160-03-04.800F1- | 4,8                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☹☹     |
| DC160-03-04.900F1- | 4,9                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☹☹     |
| DC160-03-05.000F1- | 5                          |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☹☹     |
| DC160-03-05.100F1- | 5,1                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☹☹     |
| DC160-03-05.200F1- | 5,2                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☹☹     |
| DC160-03-05.300F1- | 5,3                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☹☹     |
| DC160-03-05.400F1- | 5,4                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☹☹     |

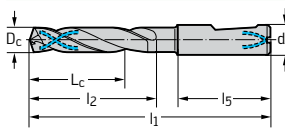
Пример заказа инструмента из сплава WJ30ET: DC160-03-03.000A1-WJ30ET

**WALTER  
SELECT**

 ●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☹☹ → нормальных = ☹☹ → неблагоприятных = ☹☹☹ условий обработки



**Инструмент**



DIN 6535 HE

| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30ET |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC160-03-05.500F1- | 5,5                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC160-03-05.550F1- | 5,55                       |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC160-03-05.600F1- | 5,6                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC160-03-05.700F1- | 5,7                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC160-03-05.800F1- | 5,8                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC160-03-05.900F1- | 5,9                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC160-03-06.000F1- | 6                          |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC160-03-06.100F1- | 6,1                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC160-03-06.200F1- | 6,2                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC160-03-06.300F1- | 6,3                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC160-03-06.400F1- | 6,4                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC160-03-06.500F1- | 6,5                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC160-03-06.600F1- | 6,6                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC160-03-06.700F1- | 6,7                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC160-03-06.800F1- | 6,8                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC160-03-06.900F1- | 6,9                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC160-03-07.000F1- | 7                          |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC160-03-07.100F1- | 7,1                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC160-03-07.200F1- | 7,2                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC160-03-07.300F1- | 7,3                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC160-03-07.400F1- | 7,4                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC160-03-07.500F1- | 7,5                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC160-03-07.550F1- | 7,55                       |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC160-03-07.600F1- | 7,6                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC160-03-07.700F1- | 7,7                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC160-03-07.800F1- | 7,8                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC160-03-07.900F1- | 7,9                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC160-03-08.000F1- | 8                          |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC160-03-08.100F1- | 8,1                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC160-03-08.200F1- | 8,2                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC160-03-08.300F1- | 8,3                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC160-03-08.400F1- | 8,4                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC160-03-08.500F1- | 8,5                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC160-03-08.600F1- | 8,6                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC160-03-08.700F1- | 8,7                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC160-03-08.800F1- | 8,8                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC160-03-08.900F1- | 8,9                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC160-03-09.000F1- | 9                          |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC160-03-09.100F1- | 9,1                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC160-03-09.200F1- | 9,2                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC160-03-09.300F1- | 9,3                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC160-03-09.400F1- | 9,4                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC160-03-09.500F1- | 9,5                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC160-03-09.600F1- | 9,6                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC160-03-09.700F1- | 9,7                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC160-03-09.800F1- | 9,8                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |

Пример заказа инструмента из сплава WJ30ET: DC160-03-03.000A1-WJ30ET

**WALTER  
SELECT**

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки

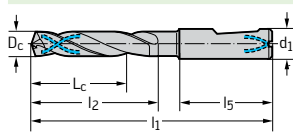
☺ ☹ ☹☹ / \* = Новый инструмент

Свёрла твердосплавные с внутренним подводом СОЖ

В 41

B1

## Инструмент



DIN 6535 HE

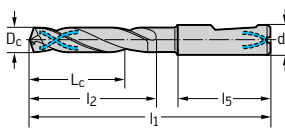
| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30ET |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC160-03-09.900F1- | 9,9                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC160-03-10.000F1- | 10                         |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC160-03-10.100F1- | 10,1                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC160-03-10.200F1- | 10,2                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC160-03-10.300F1- | 10,3                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC160-03-10.400F1- | 10,4                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC160-03-10.500F1- | 10,5                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC160-03-10.600F1- | 10,6                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC160-03-10.700F1- | 10,7                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC160-03-10.800F1- | 10,8                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC160-03-10.900F1- | 10,9                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC160-03-11.000F1- | 11                         |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC160-03-11.100F1- | 11,1                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC160-03-11.200F1- | 11,2                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC160-03-11.300F1- | 11,3                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC160-03-11.400F1- | 11,4                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC160-03-11.500F1- | 11,5                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC160-03-11.550F1- | 11,55                      |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC160-03-11.600F1- | 11,6                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC160-03-11.700F1- | 11,7                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC160-03-11.800F1- | 11,8                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC160-03-11.900F1- | 11,9                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC160-03-12.000F1- | 12                         |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC160-03-12.100F1- | 12,1                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC160-03-12.200F1- | 12,2                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC160-03-12.250F1- | 12,25                      |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC160-03-12.300F1- | 12,3                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC160-03-12.400F1- | 12,4                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC160-03-12.500F1- | 12,5                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC160-03-12.600F1- | 12,6                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC160-03-12.700F1- | 12,700                     | 1/2"                   | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC160-03-12.800F1- | 12,8                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC160-03-12.900F1- | 12,9                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC160-03-13.000F1- | 13                         |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC160-03-13.100F1- | 13,1                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC160-03-13.200F1- | 13,2                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC160-03-13.300F1- | 13,3                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC160-03-13.400F1- | 13,4                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC160-03-13.500F1- | 13,5                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC160-03-13.600F1- | 13,6                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC160-03-13.700F1- | 13,7                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC160-03-13.800F1- | 13,8                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC160-03-13.900F1- | 13,9                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC160-03-14.000F1- | 14                         |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC160-03-14.100F1- | 14,1                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☹      |
| DC160-03-14.200F1- | 14,2                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☹      |

Пример заказа инструмента из сплава WJ30ET: DC160-03-03.000A1-WJ30ET

**WALTER  
SELECT**

 ●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☹ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

**Инструмент**



DIN 6535 HE

| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30ET |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC160-03-14.300F1- | 14,3                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
| DC160-03-14.400F1- | 14,4                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
| DC160-03-14.500F1- | 14,5                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
| DC160-03-14.600F1- | 14,6                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
| DC160-03-14.700F1- | 14,7                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
| DC160-03-14.800F1- | 14,8                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
| DC160-03-15.000F1- | 15                         |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
| DC160-03-15.100F1- | 15,1                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
| DC160-03-15.200F1- | 15,2                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
| DC160-03-15.300F1- | 15,3                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
| DC160-03-15.500F1- | 15,5                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
| DC160-03-15.600F1- | 15,6                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
| DC160-03-15.700F1- | 15,7                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
| DC160-03-15.800F1- | 15,8                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
| DC160-03-15.900F1- | 15,9                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
| DC160-03-16.000F1- | 16                         |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
| DC160-03-16.100F1- | 16,1                       |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☺      |
| DC160-03-16.200F1- | 16,2                       |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☺      |
| DC160-03-16.300F1- | 16,3                       |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☺      |
| DC160-03-16.400F1- | 16,4                       |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☺      |
| DC160-03-16.500F1- | 16,5                       |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☺      |
| DC160-03-16.600F1- | 16,6                       |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☺      |
| DC160-03-16.700F1- | 16,7                       |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☺      |
| DC160-03-16.800F1- | 16,8                       |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☺      |
| DC160-03-17.000F1- | 17                         |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☺      |
| DC160-03-17.200F1- | 17,2                       |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☺      |
| DC160-03-17.300F1- | 17,3                       |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☺      |
| DC160-03-17.500F1- | 17,5                       |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☺      |
| DC160-03-17.600F1- | 17,6                       |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☺      |
| DC160-03-17.700F1- | 17,7                       |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☺      |
| DC160-03-17.800F1- | 17,8                       |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☺      |
| DC160-03-18.000F1- | 18                         |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☺      |
| DC160-03-18.200F1- | 18,2                       |                        | 55                   | 131                  | 79                   | 50                   | 20                         | ☺      |
| DC160-03-18.500F1- | 18,5                       |                        | 55                   | 131                  | 79                   | 50                   | 20                         | ☺      |
| DC160-03-18.700F1- | 18,7                       |                        | 55                   | 131                  | 79                   | 50                   | 20                         | ☺      |
| DC160-03-18.800F1- | 18,8                       |                        | 55                   | 131                  | 79                   | 50                   | 20                         | ☺      |
| DC160-03-19.000F1- | 19                         |                        | 55                   | 131                  | 79                   | 50                   | 20                         | ☺      |
| DC160-03-19.500F1- | 19,5                       |                        | 55                   | 131                  | 79                   | 50                   | 20                         | ☺      |
| DC160-03-19.700F1- | 19,7                       |                        | 55                   | 131                  | 79                   | 50                   | 20                         | ☺      |
| DC160-03-19.800F1- | 19,8                       |                        | 55                   | 131                  | 79                   | 50                   | 20                         | ☺      |
| DC160-03-20.000F1- | 20                         |                        | 55                   | 131                  | 79                   | 50                   | 20                         | ☺      |

Пример заказа инструмента из сплава WJ30ET: DC160-03-03.000A1-WJ30ET

**WALTER  
SELECT**

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки

☺ ☹ ☹☹ / \* = Новый инструмент

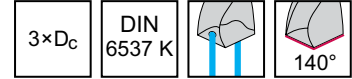
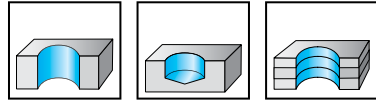
Свёрла твердосплавные с внутренним подводом СОЖ

В 43

B1

# Свёрла твердосплавные с внутренним подводом СОЖ

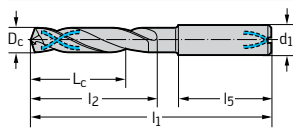
## DC150 Perform



B1

|        |    |   |    |    |    |   |   |
|--------|----|---|----|----|----|---|---|
|        | P  | M | K  | N  | S  | H | O |
| WJ30RE | ●● | ● | ●● | ●● | ●● | ● | ● |

### Инструмент



DIN 6535 HA

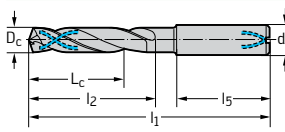
| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30RE |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC150-03-03.000A1- | 3                          |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☹      |
| DC150-03-03.100A1- | 3,1                        |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☹      |
| DC150-03-03.175A1- | 3,175                      | 1/8"                   | 14                   | 62                   | 20                   | 36                   | 6                          | ☹      |
| DC150-03-03.200A1- | 3,2                        |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☹      |
| DC150-03-03.250A1- | 3,25                       |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☹      |
| DC150-03-03.300A1- | 3,3                        |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☹      |
| DC150-03-03.400A1- | 3,4                        |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☹      |
| DC150-03-03.500A1- | 3,5                        |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☹      |
| DC150-03-03.572A1- | 3,572                      | 9/64"                  | 14                   | 62                   | 20                   | 36                   | 6                          | ☹      |
| DC150-03-03.600A1- | 3,6                        |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☹      |
| DC150-03-03.650A1- | 3,65                       |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☹      |
| DC150-03-03.700A1- | 3,7                        |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☹      |
| DC150-03-03.800A1- | 3,8                        |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC150-03-03.900A1- | 3,9                        |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC150-03-03.969A1- | 3,969                      | 5/32"                  | 17                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC150-03-04.000A1- | 4                          |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC150-03-04.100A1- | 4,1                        |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC150-03-04.200A1- | 4,2                        |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC150-03-04.300A1- | 4,3                        |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC150-03-04.366A1- | 4,366                      | 11/64"                 | 17                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC150-03-04.400A1- | 4,4                        |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC150-03-04.500A1- | 4,5                        |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC150-03-04.600A1- | 4,6                        |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC150-03-04.650A1- | 4,65                       |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC150-03-04.700A1- | 4,7                        |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC150-03-04.763A1- | 4,763                      | 3/16"                  | 20                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC150-03-04.800A1- | 4,8                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC150-03-04.900A1- | 4,9                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC150-03-05.000A1- | 5                          |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC150-03-05.100A1- | 5,1                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC150-03-05.159A1- | 5,159                      | 13/64"                 | 20                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC150-03-05.200A1- | 5,2                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC150-03-05.300A1- | 5,3                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC150-03-05.400A1- | 5,4                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC150-03-05.500A1- | 5,5                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC150-03-05.550A1- | 5,55                       |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☹      |

Пример заказа инструмента из сплава WJ30RE: DC150-03-03.000A1-WJ30RE

**WALTER  
SELECT**

●● Основная область применения    ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки

## Инструмент



DIN 6535 HA

| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30RE |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC150-03-05.556A1- | 5,556                      | 7/32"                  | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC150-03-05.600A1- | 5,6                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC150-03-05.700A1- | 5,7                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC150-03-05.800A1- | 5,8                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC150-03-05.900A1- | 5,9                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC150-03-05.953A1- | 5,953                      | 15/64"                 | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC150-03-06.000A1- | 6                          |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC150-03-06.100A1- | 6,1                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC150-03-06.200A1- | 6,2                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC150-03-06.300A1- | 6,3                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC150-03-06.350A1- | 6,350                      | 1/4"                   | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC150-03-06.400A1- | 6,4                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC150-03-06.500A1- | 6,5                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC150-03-06.600A1- | 6,6                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC150-03-06.700A1- | 6,7                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC150-03-06.747A1- | 6,747                      | 17/64"                 | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC150-03-06.800A1- | 6,8                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC150-03-06.900A1- | 6,9                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC150-03-07.000A1- | 7                          |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC150-03-07.100A1- | 7,1                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC150-03-07.144A1- | 7,144                      | 9/32"                  | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC150-03-07.200A1- | 7,2                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC150-03-07.300A1- | 7,3                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC150-03-07.400A1- | 7,4                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC150-03-07.500A1- | 7,5                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC150-03-07.541A1- | 7,541                      | 19/64"                 | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC150-03-07.600A1- | 7,6                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC150-03-07.700A1- | 7,7                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC150-03-07.800A1- | 7,8                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC150-03-07.900A1- | 7,9                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC150-03-07.938A1- | 7,938                      | 5/16"                  | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC150-03-08.000A1- | 8                          |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC150-03-08.100A1- | 8,1                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-08.200A1- | 8,2                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-08.300A1- | 8,3                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-08.334A1- | 8,334                      | 21/64"                 | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-08.400A1- | 8,4                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-08.500A1- | 8,5                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-08.600A1- | 8,6                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-08.700A1- | 8,7                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-08.731A1- | 8,731                      | 11/32"                 | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-08.800A1- | 8,8                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-08.900A1- | 8,9                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-09.000A1- | 9                          |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-09.100A1- | 9,1                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-09.128A1- | 9,128                      | 23/64"                 | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |

Пример заказа инструмента из сплава WJ30RE: DC150-03-03.000A1-WJ30RE

WALTER  
SELECT

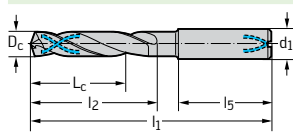
●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☺ → неблагоприятных = ☹ условий обработки

☺ ☹ ☹ / \* = Новый инструмент

Свёрла твердосплавные с внутренним подводом СОЖ

B 45

## Инструмент



DIN 6535 HA

| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30RE |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC150-03-09.200A1- | 9,2                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC150-03-09.300A1- | 9,3                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC150-03-09.400A1- | 9,4                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC150-03-09.500A1- | 9,5                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC150-03-09.525A1- | 9,525                      | 3/8"                   | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC150-03-09.600A1- | 9,6                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC150-03-09.700A1- | 9,7                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC150-03-09.800A1- | 9,8                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC150-03-09.900A1- | 9,9                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC150-03-09.922A1- | 9,922                      | 25/64"                 | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC150-03-10.000A1- | 10                         |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC150-03-10.100A1- | 10,1                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC150-03-10.200A1- | 10,2                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC150-03-10.300A1- | 10,3                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC150-03-10.319A1- | 10,319                     | 13/32"                 | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC150-03-10.400A1- | 10,4                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC150-03-10.500A1- | 10,5                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC150-03-10.600A1- | 10,6                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC150-03-10.700A1- | 10,7                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC150-03-10.716A1- | 10,716                     | 27/64"                 | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC150-03-10.800A1- | 10,8                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC150-03-10.900A1- | 10,9                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC150-03-11.000A1- | 11                         |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC150-03-11.100A1- | 11,1                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC150-03-11.113A1- | 11,113                     | 7/16"                  | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC150-03-11.200A1- | 11,2                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC150-03-11.300A1- | 11,3                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC150-03-11.400A1- | 11,4                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC150-03-11.500A1- | 11,5                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC150-03-11.509A1- | 11,509                     | 29/64"                 | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC150-03-11.600A1- | 11,6                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC150-03-11.700A1- | 11,7                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC150-03-11.800A1- | 11,8                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC150-03-11.900A1- | 11,9                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC150-03-11.906A1- | 11,906                     | 15/32"                 | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC150-03-12.000A1- | 12                         |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC150-03-12.100A1- | 12,1                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC150-03-12.200A1- | 12,2                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC150-03-12.300A1- | 12,3                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC150-03-12.303A1- | 12,303                     | 31/64"                 | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC150-03-12.500A1- | 12,5                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC150-03-12.600A1- | 12,6                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC150-03-12.700A1- | 12,700                     | 1/2"                   | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC150-03-12.800A1- | 12,8                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC150-03-12.900A1- | 12,9                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC150-03-13.000A1- | 13                         |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |

Пример заказа инструмента из сплава WJ30RE: DC150-03-03.000A1-WJ30RE

**WALTER  
SELECT**

 ●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☹ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

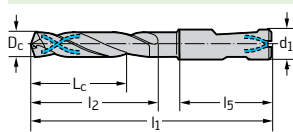
| Инструмент                                  |                    | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub><br>Inch/Nr | L <sub>c</sub><br>mm | h <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30RE |
|---|--------------------|----------------------------|---------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| <p>DIN 6535 HA</p>                          | DC150-03-13.100A1- | 13,1                       |                           | 43                   | 107                  | 60                   | 45                   | 14                         | ☺      |
|   | DC150-03-13.200A1- | 13,2                       |                           | 43                   | 107                  | 60                   | 45                   | 14                         | ☺      |
|   | DC150-03-13.300A1- | 13,3                       |                           | 43                   | 107                  | 60                   | 45                   | 14                         | ☺      |
|   | DC150-03-13.494A1- | 13,494                     | 17/32"                    | 43                   | 107                  | 60                   | 45                   | 14                         | ☺      |
|   | DC150-03-13.500A1- | 13,5                       |                           | 43                   | 107                  | 60                   | 45                   | 14                         | ☺      |
|   | DC150-03-13.800A1- | 13,8                       |                           | 43                   | 107                  | 60                   | 45                   | 14                         | ☺      |
|   | DC150-03-14.000A1- | 14                         |                           | 43                   | 107                  | 60                   | 45                   | 14                         | ☺      |
|   | DC150-03-14.100A1- | 14,1                       |                           | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
|   | DC150-03-14.200A1- | 14,2                       |                           | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
|   | DC150-03-14.288A1- | 14,288                     | 9/16"                     | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
|   | DC150-03-14.500A1- | 14,5                       |                           | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
|   | DC150-03-14.600A1- | 14,6                       |                           | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
|   | DC150-03-14.700A1- | 14,7                       |                           | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
|   | DC150-03-15.000A1- | 15                         |                           | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
|   | DC150-03-15.100A1- | 15,1                       |                           | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
|   | DC150-03-15.300A1- | 15,3                       |                           | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
|   | DC150-03-15.500A1- | 15,5                       |                           | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
|   | DC150-03-15.700A1- | 15,7                       |                           | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
|   | DC150-03-15.800A1- | 15,8                       |                           | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
|   | DC150-03-15.875A1- | 15,875                     | 5/8"                      | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
| DC150-03-16.000A1-                          | 16                 |                            | 45                        | 115                  | 65                   | 48                   | 16                   | ☺                          |        |
| DC150-03-16.300A1-                          | 16,3               |                            | 51                        | 123                  | 73                   | 48                   | 18                   | ☺                          |        |
| DC150-03-16.500A1-                          | 16,5               |                            | 51                        | 123                  | 73                   | 48                   | 18                   | ☺                          |        |
| DC150-03-16.700A1-                          | 16,7               |                            | 51                        | 123                  | 73                   | 48                   | 18                   | ☺                          |        |
| DC150-03-17.000A1-                          | 17                 |                            | 51                        | 123                  | 73                   | 48                   | 18                   | ☺                          |        |
| DC150-03-17.500A1-                          | 17,5               |                            | 51                        | 123                  | 73                   | 48                   | 18                   | ☺                          |        |
| DC150-03-18.000A1-                          | 18                 |                            | 51                        | 123                  | 73                   | 48                   | 18                   | ☺                          |        |
| DC150-03-18.500A1-                          | 18,5               |                            | 55                        | 131                  | 79                   | 50                   | 20                   | ☺                          |        |
| DC150-03-19.000A1-                          | 19                 |                            | 55                        | 131                  | 79                   | 50                   | 20                   | ☺                          |        |
| DC150-03-19.050A1-                          | 19,050             | 3/4"                       | 55                        | 131                  | 79                   | 50                   | 20                   | ☺                          |        |
| DC150-03-20.000A1-                          | 20                 |                            | 55                        | 131                  | 79                   | 50                   | 20                   | ☺                          |        |
| <p>DIN 6535 HE, turned 180° DIN 6535 HB</p> | DC150-03-03.000D1- | 3                          |                           | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
|   | DC150-03-03.300D1- | 3,3                        |                           | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
|   | DC150-03-03.400D1- | 3,4                        |                           | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
|   | DC150-03-03.500D1- | 3,5                        |                           | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
|   | DC150-03-03.700D1- | 3,7                        |                           | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
|   | DC150-03-03.800D1- | 3,8                        |                           | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
|   | DC150-03-04.000D1- | 4                          |                           | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
|   | DC150-03-04.200D1- | 4,2                        |                           | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
|   | DC150-03-04.300D1- | 4,3                        |                           | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
|   | DC150-03-04.500D1- | 4,5                        |                           | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
|   | DC150-03-04.800D1- | 4,8                        |                           | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|   | DC150-03-05.000D1- | 5                          |                           | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|   | DC150-03-05.100D1- | 5,1                        |                           | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|   | DC150-03-05.300D1- | 5,3                        |                           | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|   | DC150-03-05.500D1- | 5,5                        |                           | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |

Пример заказа инструмента из сплава WJ30RE: DC150-03-03.000A1-WJ30RE

**WALTER SELECT** ●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки

B1

## Инструмент



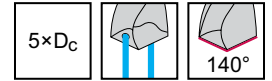
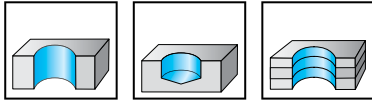
DIN 6535 HE, turned 180° DIN 6535 HB

| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub><br>Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30RE |
|--------------------|----------------------------|---------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC150-03-06.000D1- | 6                          |                           | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC150-03-06.500D1- | 6,5                        |                           | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC150-03-06.700D1- | 6,7                        |                           | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC150-03-06.800D1- | 6,8                        |                           | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC150-03-07.000D1- | 7                          |                           | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC150-03-07.500D1- | 7,5                        |                           | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC150-03-07.800D1- | 7,8                        |                           | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC150-03-08.000D1- | 8                          |                           | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC150-03-08.500D1- | 8,5                        |                           | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-08.600D1- | 8,6                        |                           | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-08.800D1- | 8,8                        |                           | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-09.000D1- | 9                          |                           | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-10.000D1- | 10                         |                           | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-10.200D1- | 10,2                       |                           | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC150-03-10.300D1- | 10,3                       |                           | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC150-03-10.500D1- | 10,5                       |                           | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC150-03-10.800D1- | 10,8                       |                           | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC150-03-11.000D1- | 11                         |                           | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC150-03-11.800D1- | 11,8                       |                           | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC150-03-12.000D1- | 12                         |                           | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC150-03-12.200D1- | 12,2                       |                           | 43                   | 107                  | 60                   | 45                   | 14                         | ☺      |
| DC150-03-12.500D1- | 12,5                       |                           | 43                   | 107                  | 60                   | 45                   | 14                         | ☺      |
| DC150-03-13.000D1- | 13                         |                           | 43                   | 107                  | 60                   | 45                   | 14                         | ☺      |
| DC150-03-14.000D1- | 14                         |                           | 43                   | 107                  | 60                   | 45                   | 14                         | ☺      |
| DC150-03-15.000D1- | 15                         |                           | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
| DC150-03-15.500D1- | 15,5                       |                           | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
| DC150-03-16.000D1- | 16                         |                           | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
| DC150-03-16.500D1- | 16,5                       |                           | 51                   | 123                  | 73                   | 48                   | 18                         | ☺      |
| DC150-03-17.000D1- | 17                         |                           | 51                   | 123                  | 73                   | 48                   | 18                         | ☺      |
| DC150-03-17.500D1- | 17,5                       |                           | 51                   | 123                  | 73                   | 48                   | 18                         | ☺      |
| DC150-03-18.000D1- | 18                         |                           | 51                   | 123                  | 73                   | 48                   | 18                         | ☺      |
| DC150-03-19.000D1- | 19                         |                           | 55                   | 131                  | 79                   | 50                   | 20                         | ☺      |
| DC150-03-20.000D1- | 20                         |                           | 55                   | 131                  | 79                   | 50                   | 20                         | ☺      |

Пример заказа инструмента из сплава WJ30RE: DC150-03-03.000A1-WJ30RE



# Свёрла твердосплавные, малоразмерные, с внутренним подводом СОЖ DB133 Supreme



|        |    |    |    |    |    |   |   |
|--------|----|----|----|----|----|---|---|
|        | P  | M  | K  | N  | S  | H | O |
| WJ30EL | ●● | ●● | ●● | ●● | ●● | ● | ● |

B1

| Инструмент         |                    | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30EL |
|--------------------|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| <p>DIN 6535 HA</p> | Обозначение        |                            |                        |                      |                      |                      |                      |                            |        |
|                    | DB133-05-00.700A1- | 0,7                        |                        | 4,9                  | 48                   | 6                    | 35                   | 3                          | ☺      |
|                    | DB133-05-00.750A1- | 0,75                       |                        | 5,8                  | 48                   | 7                    | 34                   | 3                          | ☺      |
|                    | DB133-05-00.794A1- | 0,794                      | 1/32"                  | 5,8                  | 48                   | 7                    | 34                   | 3                          | ☺      |
|                    | DB133-05-00.800A1- | 0,8                        |                        | 5,8                  | 48                   | 7                    | 34                   | 3                          | ☺      |
|                    | DB133-05-00.850A1- | 0,85                       |                        | 6,6                  | 50                   | 8                    | 35                   | 3                          | ☺      |
|                    | DB133-05-00.900A1- | 0,9                        |                        | 6,6                  | 50                   | 8                    | 35                   | 3                          | ☺      |
|                    | DB133-05-00.950A1- | 0,95                       |                        | 7,5                  | 50                   | 9                    | 34                   | 3                          | ☺      |
|                    | DB133-05-01.000A1- | 1                          |                        | 7,5                  | 50                   | 9                    | 34                   | 3                          | ☺      |
|                    | DB133-05-01.050A1- | 1,05                       |                        | 7                    | 51                   | 9                    | 36                   | 3                          | ☺      |
|                    | DB133-05-01.100A1- | 1,1                        |                        | 7                    | 51                   | 9                    | 36                   | 3                          | ☺      |
|                    | DB133-05-01.150A1- | 1,15                       |                        | 8                    | 51                   | 10                   | 35                   | 3                          | ☺      |
|                    | DB133-05-01.191A1- | 1,191                      | 3/64"                  | 8                    | 51                   | 10                   | 35                   | 3                          | ☺      |
|                    | DB133-05-01.200A1- | 1,2                        |                        | 8                    | 51                   | 10                   | 35                   | 3                          | ☺      |
|                    | DB133-05-01.250A1- | 1,25                       |                        | 9                    | 51                   | 11                   | 34                   | 3                          | ☺      |
|                    | DB133-05-01.300A1- | 1,3                        |                        | 9                    | 53                   | 11                   | 36                   | 3                          | ☺      |
|                    | DB133-05-01.350A1- | 1,35                       |                        | 9                    | 53                   | 12                   | 35                   | 3                          | ☺      |
|                    | DB133-05-01.400A1- | 1,4                        |                        | 9                    | 53                   | 12                   | 35                   | 3                          | ☺      |
|                    | DB133-05-01.450A1- | 1,45                       |                        | 10                   | 53                   | 13                   | 34                   | 3                          | ☺      |
|                    | DB133-05-01.500A1- | 1,5                        |                        | 10                   | 53                   | 13                   | 34                   | 3                          | ☺      |
|                    | DB133-05-01.550A1- | 1,55                       |                        | 11                   | 54                   | 14                   | 35                   | 3                          | ☺      |
|                    | DB133-05-01.588A1- | 1,588                      | 1/16"                  | 11                   | 54                   | 14                   | 35                   | 3                          | ☺      |
|                    | DB133-05-01.600A1- | 1,6                        |                        | 11                   | 54                   | 14                   | 35                   | 3                          | ☺      |
|                    | DB133-05-01.650A1- | 1,65                       |                        | 11                   | 54                   | 14                   | 35                   | 3                          | ☺      |
|                    | DB133-05-01.700A1- | 1,7                        |                        | 11                   | 54                   | 14                   | 35                   | 3                          | ☺      |
|                    | DB133-05-01.750A1- | 1,75                       |                        | 12                   | 54                   | 15                   | 34                   | 3                          | ☺      |
|                    | DB133-05-01.800A1- | 1,8                        |                        | 12                   | 54                   | 15                   | 34                   | 3                          | ☺      |
|                    | DB133-05-01.850A1- | 1,85                       |                        | 13                   | 57                   | 16                   | 36                   | 3                          | ☺      |
|                    | DB133-05-01.900A1- | 1,9                        |                        | 13                   | 57                   | 16                   | 36                   | 3                          | ☺      |
|                    | DB133-05-01.950A1- | 1,95                       |                        | 14                   | 57                   | 17                   | 35                   | 3                          | ☺      |
| DB133-05-01.984A1- | 1,984              | 5/64"                      | 14                     | 57                   | 17                   | 35                   | 3                    | ☺                          |        |
| DB133-05-02.000A1- | 2                  |                            | 14                     | 57                   | 17                   | 35                   | 3                    | ☺                          |        |
| DB133-05-02.050A1- | 2,05               |                            | 14                     | 57                   | 18                   | 35                   | 3                    | ☺                          |        |
| DB133-05-02.100A1- | 2,1                |                            | 14                     | 57                   | 18                   | 35                   | 3                    | ☺                          |        |
| DB133-05-02.150A1- | 2,15               |                            | 15                     | 57                   | 19                   | 34                   | 3                    | ☺                          |        |
| DB133-05-02.200A1- | 2,2                |                            | 15                     | 57                   | 19                   | 34                   | 3                    | ☺                          |        |
| DB133-05-02.250A1- | 2,25               |                            | 16                     | 59                   | 20                   | 35                   | 3                    | ☺                          |        |

Пример заказа инструмента из сплава WJ30EL: DB133-05-00.700A1-WJ30EL

**WALTER SELECT**

●● Основная область применения    ● Возможная область применения

Оптимально подходит для → хороших = ☺    → нормальных = ☹    → неблагоприятных = ☹☹ условий обработки

☹ ☹ ☹ / \* = Новый инструмент

| Инструмент         |                    | $D_c$<br>m7<br>mm | $D_c$ Inch/Nr | $L_c$<br>mm | $l_1$<br>mm | $l_2$<br>mm | $l_5$<br>mm | $d_1$<br>h6<br>mm | WJ30EL |
|--------------------|--------------------|-------------------|---------------|-------------|-------------|-------------|-------------|-------------------|--------|
| <p>DIN 6535 HA</p> | DB133-05-02.300A1- | 2,3               |               | 16          | 59          | 20          | 35          | 3                 | ☺      |
|                    | DB133-05-02.350A1- | 2,35              |               | 16          | 59          | 20          | 35          | 3                 | ☺      |
|                    | DB133-05-02.381A1- | 2,381             | 3/32"         | 16          | 59          | 20          | 35          | 3                 | ☺      |
|                    | DB133-05-02.400A1- | 2,4               |               | 16          | 59          | 20          | 35          | 3                 | ☺      |
|                    | DB133-05-02.450A1- | 2,45              |               | 17          | 59          | 21          | 34          | 3                 | ☺      |
|                    | DB133-05-02.500A1- | 2,5               |               | 17          | 59          | 21          | 34          | 3                 | ☺      |
|                    | DB133-05-02.550A1- | 2,55              |               | 18          | 62          | 22          | 36          | 3                 | ☺      |
|                    | DB133-05-02.600A1- | 2,6               |               | 18          | 62          | 22          | 36          | 3                 | ☺      |
|                    | DB133-05-02.650A1- | 2,65              |               | 18          | 62          | 23          | 36          | 3                 | ☺      |
|                    | DB133-05-02.700A1- | 2,7               |               | 18          | 62          | 23          | 36          | 3                 | ☺      |
|                    | DB133-05-02.750A1- | 2,75              |               | 19          | 62          | 24          | 35          | 3                 | ☺      |
|                    | DB133-05-02.778A1- | 2,778             | 7/64"         | 19          | 62          | 24          | 35          | 3                 | ☺      |
|                    | DB133-05-02.800A1- | 2,8               |               | 19          | 62          | 24          | 35          | 3                 | ☺      |
|                    | DB133-05-02.850A1- | 2,85              |               | 20          | 62          | 25          | 34          | 3                 | ☺      |
|                    | DB133-05-02.900A1- | 2,9               |               | 20          | 62          | 25          | 34          | 3                 | ☺      |
|                    | DB133-05-02.950A1- | 2,95              |               | 20          | 62          | 25          | 34          | 3                 | ☺      |

Пример заказа инструмента из сплава WJ30EL: DB133-05-00.700A1-WJ30EL

# Спиральное сверло из твердого сплава с 3 фрезами

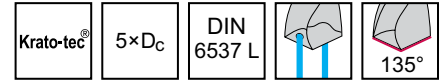
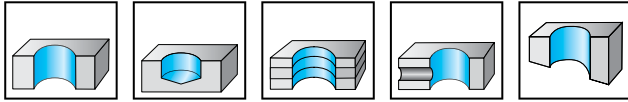
## DC183 Supreme

### X-treme Evo 3

Powered by Krato-tec®



– с инновационным многослойным покрытием Krato-tec®



|        |    |   |     |     |   |   |   |
|--------|----|---|-----|-----|---|---|---|
|        | P  | M | K   | N   | S | H | O |
| WJ30EZ | ●● | ● | ●●● | ●●● | ● |   |   |

B1

| Инструмент         | Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30EZ |
|--------------------|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| <p>DIN 6535 HA</p> | DC183-05-03.000A1- | 3                          |                        | 19                   | 66                   | 24                   | 36                   | 6                          | ☺      |
|                    | DC183-05-03.175A1- | 3,175                      | 1/8"                   | 19                   | 66                   | 24                   | 36                   | 6                          | ☺      |
|                    | DC183-05-03.300A1- | 3,3                        |                        | 19                   | 66                   | 24                   | 36                   | 6                          | ☺      |
|                    | DC183-05-03.500A1- | 3,5                        |                        | 19                   | 66                   | 24                   | 36                   | 6                          | ☺      |
|                    | DC183-05-03.700A1- | 3,7                        |                        | 19                   | 66                   | 24                   | 36                   | 6                          | ☺      |
|                    | DC183-05-03.900A1- | 3,9                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
|                    | DC183-05-04.000A1- | 4                          |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
|                    | DC183-05-04.100A1- | 4,1                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
|                    | DC183-05-04.200A1- | 4,2                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
|                    | DC183-05-04.300A1- | 4,3                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
|                    | DC183-05-04.366A1- | 4,366                      | 11/64"                 | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
|                    | DC183-05-04.500A1- | 4,5                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
|                    | DC183-05-04.763A1- | 4,763                      | 3/16"                  | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
|                    | DC183-05-04.800A1- | 4,8                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
|                    | DC183-05-05.000A1- | 5                          |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
|                    | DC183-05-05.100A1- | 5,1                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
|                    | DC183-05-05.200A1- | 5,2                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
|                    | DC183-05-05.500A1- | 5,5                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
|                    | DC183-05-05.550A1- | 5,5                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
|                    | DC183-05-05.556A1- | 5,556                      | 7/32"                  | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
|                    | DC183-05-05.800A1- | 5,8                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
|                    | DC183-05-06.000A1- | 6                          |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
|                    | DC183-05-06.100A1- | 6,1                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
|                    | DC183-05-06.200A1- | 6,2                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
|                    | DC183-05-06.350A1- | 6,350                      | 1/4"                   | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
|                    | DC183-05-06.500A1- | 6,5                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
|                    | DC183-05-06.700A1- | 6,7                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
|                    | DC183-05-06.747A1- | 6,747                      | 17/64"                 | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
|                    | DC183-05-06.800A1- | 6,8                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
|                    | DC183-05-07.000A1- | 7                          |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
|                    | DC183-05-07.144A1- | 7,144                      | 9/32"                  | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
|                    | DC183-05-07.400A1- | 7,4                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
|                    | DC183-05-07.500A1- | 7,5                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC183-05-07.541A1- | 7,541              | 19/64"                     | 43                     | 91                   | 53                   | 36                   | 8                    | ☺                          |        |
| DC183-05-07.800A1- | 7,8                |                            | 43                     | 91                   | 53                   | 36                   | 8                    | ☺                          |        |
| DC183-05-07.938A1- | 7,938              | 5/16"                      | 43                     | 91                   | 53                   | 36                   | 8                    | ☺                          |        |

Пример заказа инструмента из сплава WJ30EZ: DC183-05-03.000A1-WJ30EZ

**WALTER  
SELECT**

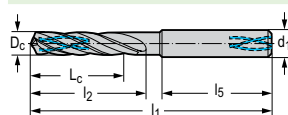
●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

☺ ☹ ☹ / \* = Новый инструмент

Свёрла твердосплавные с внутренним подводом СОЖ

B 51

## Инструмент



DIN 6535 HA

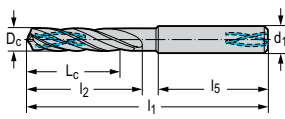
| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>s</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30EZ |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC183-05-08.000A1- | 8                          |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC183-05-08.100A1- | 8,1                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC183-05-08.500A1- | 8,5                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC183-05-08.600A1- | 8,6                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC183-05-08.700A1- | 8,7                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC183-05-08.731A1- | 8,731                      | 11/32"                 | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC183-05-08.800A1- | 8,8                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC183-05-09.000A1- | 9                          |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC183-05-09.100A1- | 9,1                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC183-05-09.128A1- | 9,128                      | 23/64"                 | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC183-05-09.300A1- | 9,3                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC183-05-09.500A1- | 9,5                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC183-05-09.525A1- | 9,525                      | 3/8"                   | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC183-05-09.800A1- | 9,8                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC183-05-09.922A1- | 9,922                      | 25/64"                 | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC183-05-10.000A1- | 10                         |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC183-05-10.100A1- | 10,1                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC183-05-10.200A1- | 10,2                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC183-05-10.300A1- | 10,3                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC183-05-10.319A1- | 10,319                     | 13/32"                 | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC183-05-10.500A1- | 10,5                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC183-05-10.716A1- | 10,716                     | 27/64"                 | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC183-05-10.800A1- | 10,8                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC183-05-11.000A1- | 11                         |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC183-05-11.100A1- | 11,1                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC183-05-11.113A1- | 11,113                     | 7/16"                  | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC183-05-11.200A1- | 11,2                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC183-05-11.500A1- | 11,5                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC183-05-11.509A1- | 11,509                     | 29/64"                 | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC183-05-11.800A1- | 11,8                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC183-05-11.906A1- | 11,906                     | 15/32"                 | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC183-05-12.000A1- | 12                         |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC183-05-12.100A1- | 12,1                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC183-05-12.303A1- | 12,303                     | 31/64"                 | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC183-05-12.500A1- | 12,5                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC183-05-12.700A1- | 12,700                     | 1/2"                   | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC183-05-13.000A1- | 13                         |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC183-05-13.100A1- | 13,1                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC183-05-13.494A1- | 13,494                     | 17/32"                 | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC183-05-13.500A1- | 13,5                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC183-05-13.800A1- | 13,8                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC183-05-14.000A1- | 14                         |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC183-05-14.288A1- | 14,288                     | 9/16"                  | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC183-05-14.500A1- | 14,5                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC183-05-15.000A1- | 15                         |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC183-05-15.100A1- | 15,1                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |

Пример заказа инструмента из сплава WJ30EZ: DC183-05-03.000A1-WJ30EZ

**WALTER  
SELECT**

●● Основная область применения    ● Возможная область применения  
 Оптимально подходит для → хороших = ☹ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

**Инструмент**



DIN 6535 HA

| Обозначение        | D <sub>c</sub><br>mm | D <sub>c</sub><br>Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>s</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30EZ |
|--------------------|----------------------|---------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC183-05-15.300A1- | 15,3                 |                           | 63                   | 133                  | 83                   | 48                   | 16                         | ☺      |
| DC183-05-15.500A1- | 15,5                 |                           | 63                   | 133                  | 83                   | 48                   | 16                         | ☺      |
| DC183-05-15.800A1- | 15,8                 |                           | 63                   | 133                  | 83                   | 48                   | 16                         | ☺      |
| DC183-05-15.875A1- | 15,875               | 5/8"                      | 63                   | 133                  | 83                   | 48                   | 16                         | ☺      |
| DC183-05-16.000A1- | 16                   |                           | 63                   | 133                  | 83                   | 48                   | 16                         | ☺      |

Пример заказа инструмента из сплава WJ30EZ: DC183-05-03.000A1-WJ30EZ

B1

**WALTER  
SELECT**

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки

☺ ☹ ☹☹ / \* = Новый инструмент

Свёрла твердосплавные с внутренним подводом СОЖ

# Свёрла твердосплавные, с внутренним подводом СОЖ

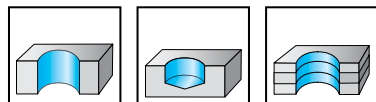
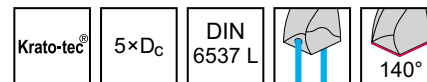
## DC180 Supreme

### X-treme Evo Plus

Powered by Krato-tec®



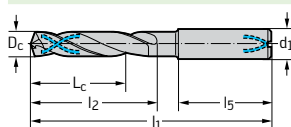
– с инновационным многослойным покрытием Krato-tec®



|        |    |    |    |    |    |    |   |
|--------|----|----|----|----|----|----|---|
|        | P  | M  | K  | N  | S  | H  | O |
| WJ30EZ | ●● | ●● | ●● | ●● | ●● | ●● | ● |

B1

### Инструмент



DIN 6535 HA

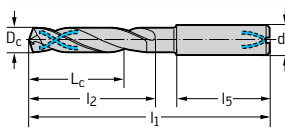
| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30EZ |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC180-05-03.000A1- | 3                          |                        | 19                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC180-05-03.100A1- | 3,1                        |                        | 19                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC180-05-03.175A1- | 3,175                      | 1/8"                   | 19                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC180-05-03.200A1- | 3,2                        |                        | 19                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC180-05-03.250A1- | 3,25                       |                        | 19                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC180-05-03.300A1- | 3,3                        |                        | 19                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC180-05-03.400A1- | 3,4                        |                        | 19                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC180-05-03.500A1- | 3,5                        |                        | 19                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC180-05-03.572A1- | 3,572                      | 9/64"                  | 19                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC180-05-03.600A1- | 3,6                        |                        | 19                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC180-05-03.700A1- | 3,7                        |                        | 19                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC180-05-03.800A1- | 3,8                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☹      |
| DC180-05-03.900A1- | 3,9                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☹      |
| DC180-05-03.969A1- | 3,969                      | 5/32"                  | 29                   | 74                   | 36                   | 36                   | 6                          | ☹      |
| DC180-05-04.000A1- | 4                          |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☹      |
| DC180-05-04.100A1- | 4,1                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☹      |
| DC180-05-04.200A1- | 4,2                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☹      |
| DC180-05-04.300A1- | 4,3                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☹      |
| DC180-05-04.366A1- | 4,366                      | 11/64"                 | 29                   | 74                   | 36                   | 36                   | 6                          | ☹      |
| DC180-05-04.400A1- | 4,4                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☹      |
| DC180-05-04.500A1- | 4,5                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☹      |
| DC180-05-04.600A1- | 4,6                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☹      |
| DC180-05-04.650A1- | 4,65                       |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☹      |
| DC180-05-04.700A1- | 4,7                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☹      |
| DC180-05-04.763A1- | 4,763                      | 3/16"                  | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC180-05-04.800A1- | 4,8                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC180-05-04.900A1- | 4,9                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC180-05-05.000A1- | 5                          |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC180-05-05.100A1- | 5,1                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC180-05-05.159A1- | 5,159                      | 13/64"                 | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC180-05-05.200A1- | 5,2                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC180-05-05.300A1- | 5,3                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC180-05-05.400A1- | 5,4                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC180-05-05.500A1- | 5,5                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC180-05-05.550A1- | 5,55                       |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC180-05-05.556A1- | 5,556                      | 7/32"                  | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |

Пример заказа инструмента из сплава WJ30EZ: DC180-05-03.000A1-WJ30EZ

**WALTER  
SELECT**

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹☹ условий обработки

## Инструмент



DIN 6535 HA

| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30EZ |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC180-05-05.600A1- | 5,6                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
| DC180-05-05.700A1- | 5,7                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
| DC180-05-05.800A1- | 5,8                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
| DC180-05-05.900A1- | 5,9                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
| DC180-05-05.953A1- | 5,953                      | 15/64"                 | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
| DC180-05-06.000A1- | 6                          |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
| DC180-05-06.100A1- | 6,1                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC180-05-06.200A1- | 6,2                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC180-05-06.300A1- | 6,3                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC180-05-06.350A1- | 6,350                      | 1/4"                   | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC180-05-06.400A1- | 6,4                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC180-05-06.500A1- | 6,5                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC180-05-06.600A1- | 6,6                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC180-05-06.700A1- | 6,7                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC180-05-06.747A1- | 6,747                      | 17/64"                 | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC180-05-06.800A1- | 6,8                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC180-05-06.900A1- | 6,9                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC180-05-07.000A1- | 7                          |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC180-05-07.100A1- | 7,1                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC180-05-07.144A1- | 7,144                      | 9/32"                  | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC180-05-07.200A1- | 7,2                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC180-05-07.300A1- | 7,3                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC180-05-07.400A1- | 7,4                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC180-05-07.500A1- | 7,5                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC180-05-07.541A1- | 7,541                      | 19/64"                 | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC180-05-07.800A1- | 7,8                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC180-05-07.900A1- | 7,9                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC180-05-07.938A1- | 7,938                      | 5/16"                  | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC180-05-08.000A1- | 8                          |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC180-05-08.100A1- | 8,1                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC180-05-08.200A1- | 8,2                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC180-05-08.300A1- | 8,3                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC180-05-08.334A1- | 8,334                      | 21/64"                 | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC180-05-08.400A1- | 8,4                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC180-05-08.500A1- | 8,5                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC180-05-08.600A1- | 8,6                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC180-05-08.700A1- | 8,7                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC180-05-08.731A1- | 8,731                      | 11/32"                 | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC180-05-08.750A1- | 8,75                       |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC180-05-08.800A1- | 8,8                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC180-05-09.000A1- | 9                          |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC180-05-09.128A1- | 9,128                      | 23/64"                 | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC180-05-09.200A1- | 9,2                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC180-05-09.300A1- | 9,3                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC180-05-09.500A1- | 9,5                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC180-05-09.525A1- | 9,525                      | 3/8"                   | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |

Пример заказа инструмента из сплава WJ30EZ: DC180-05-03.000A1-WJ30EZ

WALTER  
SELECT

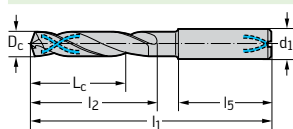
●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☺ → неблагоприятных = ☹ условий обработки

☺ ☹ ☹ / \* = Новый инструмент

Свёрла твердосплавные с внутренним подводом СОЖ

B 55

## Инструмент



DIN 6535 HA

| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub><br>Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30EZ |
|--------------------|----------------------------|---------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC180-05-09.600A1- | 9,6                        |                           | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC180-05-09.700A1- | 9,7                        |                           | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC180-05-09.800A1- | 9,8                        |                           | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC180-05-09.900A1- | 9,9                        |                           | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC180-05-09.922A1- | 9,922                      | 25/64"                    | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC180-05-10.000A1- | 10                         |                           | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC180-05-10.100A1- | 10,1                       |                           | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC180-05-10.200A1- | 10,2                       |                           | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC180-05-10.300A1- | 10,3                       |                           | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC180-05-10.319A1- | 10,319                     | 13/32"                    | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC180-05-10.400A1- | 10,4                       |                           | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC180-05-10.500A1- | 10,5                       |                           | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC180-05-10.716A1- | 10,716                     | 27/64"                    | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC180-05-10.800A1- | 10,8                       |                           | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC180-05-11.000A1- | 11                         |                           | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC180-05-11.100A1- | 11,1                       |                           | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC180-05-11.113A1- | 11,113                     | 7/16"                     | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC180-05-11.200A1- | 11,2                       |                           | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC180-05-11.300A1- | 11,3                       |                           | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC180-05-11.400A1- | 11,4                       |                           | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC180-05-11.500A1- | 11,5                       |                           | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC180-05-11.509A1- | 11,509                     | 29/64"                    | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC180-05-11.700A1- | 11,7                       |                           | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC180-05-11.800A1- | 11,8                       |                           | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC180-05-11.906A1- | 11,906                     | 15/32"                    | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC180-05-12.000A1- | 12                         |                           | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC180-05-12.100A1- | 12,1                       |                           | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC180-05-12.200A1- | 12,2                       |                           | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC180-05-12.300A1- | 12,3                       |                           | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC180-05-12.303A1- | 12,303                     | 31/64"                    | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC180-05-12.500A1- | 12,5                       |                           | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC180-05-12.600A1- | 12,6                       |                           | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC180-05-12.700A1- | 12,700                     | 1/2"                      | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC180-05-13.000A1- | 13                         |                           | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC180-05-13.100A1- | 13,1                       |                           | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC180-05-13.300A1- | 13,3                       |                           | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC180-05-13.494A1- | 13,494                     | 17/32"                    | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC180-05-13.500A1- | 13,5                       |                           | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC180-05-14.000A1- | 14                         |                           | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC180-05-14.288A1- | 14,288                     | 9/16"                     | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC180-05-14.500A1- | 14,5                       |                           | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC180-05-15.000A1- | 15                         |                           | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC180-05-15.100A1- | 15,1                       |                           | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC180-05-15.300A1- | 15,3                       |                           | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC180-05-15.500A1- | 15,5                       |                           | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC180-05-15.875A1- | 15,875                     | 5/8"                      | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |

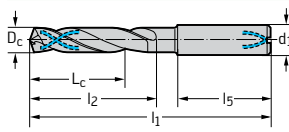
Пример заказа инструмента из сплава WJ30EZ: DC180-05-03.000A1-WJ30EZ

**WALTER  
SELECT**

 ●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☹ → нормальных = ☹ → неблагоприятных = ☹ условий обработки



**Инструмент**



DIN 6535 HA

| Обозначение        | D <sub>c</sub><br>mm | D <sub>c</sub><br>Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30EZ |
|--------------------|----------------------|---------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC180-05-16.000A1- | 16                   |                           | 63                   | 133                  | 83                   | 48                   | 16                         | ☺      |
| DC180-05-16.500A1- | 16,5                 |                           | 71                   | 143                  | 93                   | 48                   | 18                         | ☺      |
| DC180-05-17.000A1- | 17                   |                           | 71                   | 143                  | 93                   | 48                   | 18                         | ☺      |
| DC180-05-17.500A1- | 17,5                 |                           | 71                   | 143                  | 93                   | 48                   | 18                         | ☺      |
| DC180-05-18.000A1- | 18                   |                           | 71                   | 143                  | 93                   | 48                   | 18                         | ☺      |
| DC180-05-18.500A1- | 18,5                 |                           | 77                   | 153                  | 101                  | 50                   | 20                         | ☺      |
| DC180-05-19.000A1- | 19                   |                           | 77                   | 153                  | 101                  | 50                   | 20                         | ☺      |
| DC180-05-19.050A1- | 19,050               | 3/4"                      | 77                   | 153                  | 101                  | 50                   | 20                         | ☺      |
| DC180-05-20.000A1- | 20                   |                           | 77                   | 153                  | 101                  | 50                   | 20                         | ☺      |

Пример заказа инструмента из сплава WJ30EZ: DC180-05-03.000A1-WJ30EZ

B1

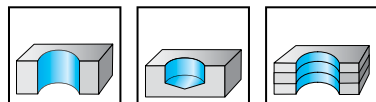
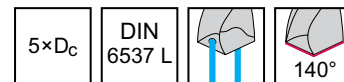
**WALTER SELECT** ●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки

# Твердосплавное спиральное сверло

## DC175 Supreme



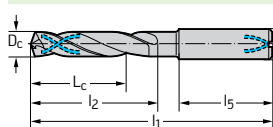
– Walter C направленной подачей СОЖ



|        |   |    |   |   |    |   |   |
|--------|---|----|---|---|----|---|---|
|        | P | M  | K | N | S  | H | O |
| WJ30RZ | ● | ●● | ● | ● | ●● | ● | ● |

B1

### Инструмент



DIN 6535 HA

| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30RZ |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC175-05-03.000A1- | 3                          |                        | 19                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC175-05-03.100A1- | 3,1                        |                        | 19                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC175-05-03.175A1- | 3,175                      | 1/8"                   | 19                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC175-05-03.200A1- | 3,2                        |                        | 19                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC175-05-03.250A1- | 3,25                       |                        | 19                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC175-05-03.300A1- | 3,3                        |                        | 19                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC175-05-03.400A1- | 3,4                        |                        | 19                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC175-05-03.500A1- | 3,5                        |                        | 19                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC175-05-03.572A1- | 3,572                      | 9/64"                  | 19                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC175-05-03.600A1- | 3,6                        |                        | 19                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC175-05-03.700A1- | 3,7                        |                        | 19                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC175-05-03.800A1- | 3,8                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☹      |
| DC175-05-03.900A1- | 3,9                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☹      |
| DC175-05-03.969A1- | 3,969                      | 5/32"                  | 29                   | 74                   | 36                   | 36                   | 6                          | ☹      |
| DC175-05-04.000A1- | 4                          |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☹      |
| DC175-05-04.100A1- | 4,1                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☹      |
| DC175-05-04.200A1- | 4,2                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☹      |
| DC175-05-04.300A1- | 4,3                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☹      |
| DC175-05-04.366A1- | 4,366                      | 11/64"                 | 29                   | 74                   | 36                   | 36                   | 6                          | ☹      |
| DC175-05-04.400A1- | 4,4                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☹      |
| DC175-05-04.500A1- | 4,5                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☹      |
| DC175-05-04.600A1- | 4,6                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☹      |
| DC175-05-04.650A1- | 4,65                       |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☹      |
| DC175-05-04.700A1- | 4,7                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☹      |
| DC175-05-04.763A1- | 4,763                      | 3/16"                  | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC175-05-04.800A1- | 4,8                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC175-05-04.900A1- | 4,9                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC175-05-05.000A1- | 5                          |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC175-05-05.100A1- | 5,1                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC175-05-05.159A1- | 5,159                      | 13/64"                 | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC175-05-05.200A1- | 5,2                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC175-05-05.300A1- | 5,3                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC175-05-05.400A1- | 5,4                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC175-05-05.500A1- | 5,5                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC175-05-05.550A1- | 5,55                       |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |

При Ø 3–3,75, общая длина по DIN 6537 L, канавки в сравнении с DIN 6537 L укорочены | Пример заказа инструмента из сплава WJ30RZ: DC175-05-03.000A1-WJ30RZ

**WALTER  
SELECT**

 ●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки

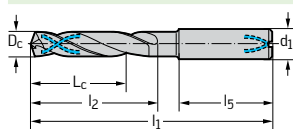
| Инструмент         | Обозначение        | $D_c$    | $D_c$ Inch/Nr | $L_c$ | $l_1$ | $l_2$ | $l_5$ | $d_1$<br>h6<br>mm | WJ30RZ |
|--------------------|--------------------|----------|---------------|-------|-------|-------|-------|-------------------|--------|
|                    |                    | m7<br>mm |               | mm    | mm    | mm    | mm    |                   |        |
| <br>DIN 6535 HA    | DC175-05-05.556A1- | 5,556    | 7/32"         | 35    | 82    | 44    | 36    | 6                 | ☺      |
|                    | DC175-05-05.600A1- | 5,6      |               | 35    | 82    | 44    | 36    | 6                 | ☺      |
|                    | DC175-05-05.700A1- | 5,7      |               | 35    | 82    | 44    | 36    | 6                 | ☺      |
|                    | DC175-05-05.800A1- | 5,8      |               | 35    | 82    | 44    | 36    | 6                 | ☺      |
|                    | DC175-05-05.900A1- | 5,9      |               | 35    | 82    | 44    | 36    | 6                 | ☺      |
|                    | DC175-05-05.953A1- | 5,953    | 15/64"        | 35    | 82    | 44    | 36    | 6                 | ☺      |
|                    | DC175-05-06.000A1- | 6        |               | 35    | 82    | 44    | 36    | 6                 | ☺      |
|                    | DC175-05-06.100A1- | 6,1      |               | 43    | 91    | 53    | 36    | 8                 | ☺      |
|                    | DC175-05-06.200A1- | 6,2      |               | 43    | 91    | 53    | 36    | 8                 | ☺      |
|                    | DC175-05-06.300A1- | 6,3      |               | 43    | 91    | 53    | 36    | 8                 | ☺      |
|                    | DC175-05-06.350A1- | 6,350    | 1/4"          | 43    | 91    | 53    | 36    | 8                 | ☺      |
|                    | DC175-05-06.400A1- | 6,4      |               | 43    | 91    | 53    | 36    | 8                 | ☺      |
|                    | DC175-05-06.500A1- | 6,5      |               | 43    | 91    | 53    | 36    | 8                 | ☺      |
|                    | DC175-05-06.600A1- | 6,6      |               | 43    | 91    | 53    | 36    | 8                 | ☺      |
|                    | DC175-05-06.700A1- | 6,7      |               | 43    | 91    | 53    | 36    | 8                 | ☺      |
|                    | DC175-05-06.747A1- | 6,747    | 17/64"        | 43    | 91    | 53    | 36    | 8                 | ☺      |
|                    | DC175-05-06.800A1- | 6,8      |               | 43    | 91    | 53    | 36    | 8                 | ☺      |
|                    | DC175-05-06.900A1- | 6,9      |               | 43    | 91    | 53    | 36    | 8                 | ☺      |
|                    | DC175-05-07.000A1- | 7        |               | 43    | 91    | 53    | 36    | 8                 | ☺      |
|                    | DC175-05-07.100A1- | 7,1      |               | 43    | 91    | 53    | 36    | 8                 | ☺      |
|                    | DC175-05-07.144A1- | 7,144    | 9/32"         | 43    | 91    | 53    | 36    | 8                 | ☺      |
|                    | DC175-05-07.200A1- | 7,2      |               | 43    | 91    | 53    | 36    | 8                 | ☺      |
|                    | DC175-05-07.300A1- | 7,3      |               | 43    | 91    | 53    | 36    | 8                 | ☺      |
|                    | DC175-05-07.400A1- | 7,4      |               | 43    | 91    | 53    | 36    | 8                 | ☺      |
|                    | DC175-05-07.500A1- | 7,5      |               | 43    | 91    | 53    | 36    | 8                 | ☺      |
|                    | DC175-05-07.541A1- | 7,541    | 19/64"        | 43    | 91    | 53    | 36    | 8                 | ☺      |
|                    | DC175-05-07.600A1- | 7,6      |               | 43    | 91    | 53    | 36    | 8                 | ☺      |
|                    | DC175-05-07.700A1- | 7,7      |               | 43    | 91    | 53    | 36    | 8                 | ☺      |
|                    | DC175-05-07.800A1- | 7,8      |               | 43    | 91    | 53    | 36    | 8                 | ☺      |
|                    | DC175-05-07.900A1- | 7,9      |               | 43    | 91    | 53    | 36    | 8                 | ☺      |
|                    | DC175-05-07.938A1- | 7,938    | 5/16"         | 43    | 91    | 53    | 36    | 8                 | ☺      |
|                    | DC175-05-08.000A1- | 8        |               | 43    | 91    | 53    | 36    | 8                 | ☺      |
|                    | DC175-05-08.100A1- | 8,1      |               | 49    | 103   | 61    | 40    | 10                | ☺      |
| DC175-05-08.200A1- | 8,2                |          | 49            | 103   | 61    | 40    | 10    | ☺                 |        |
| DC175-05-08.300A1- | 8,3                |          | 49            | 103   | 61    | 40    | 10    | ☺                 |        |
| DC175-05-08.334A1- | 8,334              | 21/64"   | 49            | 103   | 61    | 40    | 10    | ☺                 |        |
| DC175-05-08.400A1- | 8,4                |          | 49            | 103   | 61    | 40    | 10    | ☺                 |        |
| DC175-05-08.500A1- | 8,5                |          | 49            | 103   | 61    | 40    | 10    | ☺                 |        |
| DC175-05-08.600A1- | 8,6                |          | 49            | 103   | 61    | 40    | 10    | ☺                 |        |
| DC175-05-08.700A1- | 8,7                |          | 49            | 103   | 61    | 40    | 10    | ☺                 |        |
| DC175-05-08.731A1- | 8,731              | 11/32"   | 49            | 103   | 61    | 40    | 10    | ☺                 |        |
| DC175-05-08.800A1- | 8,8                |          | 49            | 103   | 61    | 40    | 10    | ☺                 |        |
| DC175-05-08.900A1- | 8,9                |          | 49            | 103   | 61    | 40    | 10    | ☺                 |        |
| DC175-05-09.000A1- | 9                  |          | 49            | 103   | 61    | 40    | 10    | ☺                 |        |
| DC175-05-09.100A1- | 9,1                |          | 49            | 103   | 61    | 40    | 10    | ☺                 |        |

При  $\varnothing$  3–3,75, общая длина по DIN 6537 L, канавки в сравнении с DIN 6537 L укорочены | Пример заказа инструмента из сплава WJ30RZ: DC175-05-03.000A1-WJ30RZ

**WALTER  
SELECT**

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

## Инструмент



DIN 6535 HA

| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30RZ |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC175-05-09.128A1- | 9,128                      | 23/64"                 | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC175-05-09.200A1- | 9,2                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC175-05-09.300A1- | 9,3                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC175-05-09.400A1- | 9,4                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC175-05-09.500A1- | 9,5                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC175-05-09.525A1- | 9,525                      | 3/8"                   | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC175-05-09.600A1- | 9,6                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC175-05-09.700A1- | 9,7                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC175-05-09.800A1- | 9,8                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC175-05-09.900A1- | 9,9                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC175-05-09.922A1- | 9,922                      | 25/64"                 | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC175-05-10.000A1- | 10                         |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC175-05-10.100A1- | 10,1                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC175-05-10.200A1- | 10,2                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC175-05-10.300A1- | 10,3                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC175-05-10.319A1- | 10,319                     | 13/32"                 | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC175-05-10.400A1- | 10,4                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC175-05-10.500A1- | 10,5                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC175-05-10.600A1- | 10,6                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC175-05-10.700A1- | 10,7                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC175-05-10.716A1- | 10,716                     | 27/64"                 | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC175-05-10.800A1- | 10,8                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC175-05-10.900A1- | 10,9                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC175-05-11.000A1- | 11                         |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC175-05-11.100A1- | 11,1                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC175-05-11.113A1- | 11,113                     | 7/16"                  | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC175-05-11.200A1- | 11,2                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC175-05-11.300A1- | 11,3                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC175-05-11.400A1- | 11,4                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC175-05-11.500A1- | 11,5                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC175-05-11.509A1- | 11,509                     | 29/64"                 | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC175-05-11.600A1- | 11,6                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC175-05-11.700A1- | 11,7                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC175-05-11.800A1- | 11,8                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC175-05-11.900A1- | 11,9                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC175-05-12.000A1- | 12                         |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC175-05-12.100A1- | 12,1                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC175-05-12.200A1- | 12,2                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC175-05-12.300A1- | 12,3                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC175-05-12.303A1- | 12,303                     | 31/64"                 | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC175-05-12.500A1- | 12,5                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC175-05-12.600A1- | 12,6                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC175-05-12.700A1- | 12,700                     | 1/2"                   | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC175-05-12.800A1- | 12,8                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC175-05-13.000A1- | 13                         |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |

При Ø 3–3,75, общая длина по DIN 6537 L, канавки в сравнении с DIN 6537 L укорочены | Пример заказа инструмента из сплава WJ30RZ: DC175-05-03.000A1-WJ30RZ

 WALTER  
SELECT

 ●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☹ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

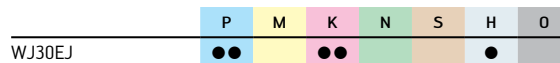
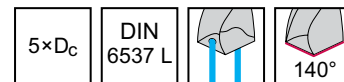
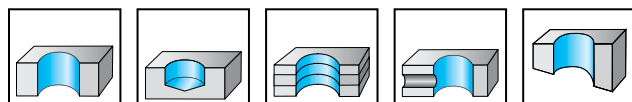
| Инструмент         |                    | $D_c$<br>m7<br>mm | $D_c$<br>Inch/Nr | $L_c$<br>mm | $l_1$<br>mm | $l_2$<br>mm | $l_5$<br>mm | $d_1$<br>h6<br>mm | WJ30RZ |
|--------------------|--------------------|-------------------|------------------|-------------|-------------|-------------|-------------|-------------------|--------|
| <br>DIN 6535 HA    | Обозначение        |                   |                  |             |             |             |             |                   |        |
|                    | DC175-05-13.100A1- | 13,1              |                  | 60          | 124         | 77          | 45          | 14                | ☺      |
|                    | DC175-05-13.300A1- | 13,3              |                  | 60          | 124         | 77          | 45          | 14                | ☺      |
|                    | DC175-05-13.494A1- | 13,494            | 17/32"           | 60          | 124         | 77          | 45          | 14                | ☺      |
|                    | DC175-05-13.500A1- | 13,5              |                  | 60          | 124         | 77          | 45          | 14                | ☺      |
|                    | DC175-05-13.800A1- | 13,8              |                  | 60          | 124         | 77          | 45          | 14                | ☺      |
|                    | DC175-05-14.000A1- | 14                |                  | 60          | 124         | 77          | 45          | 14                | ☺      |
|                    | DC175-05-14.200A1- | 14,2              |                  | 63          | 133         | 83          | 48          | 16                | ☺      |
|                    | DC175-05-14.288A1- | 14,288            | 9/16"            | 63          | 133         | 83          | 48          | 16                | ☺      |
|                    | DC175-05-14.400A1- | 14,4              |                  | 63          | 133         | 83          | 48          | 16                | ☺      |
|                    | DC175-05-14.500A1- | 14,5              |                  | 63          | 133         | 83          | 48          | 16                | ☺      |
|                    | DC175-05-14.800A1- | 14,8              |                  | 63          | 133         | 83          | 48          | 16                | ☺      |
|                    | DC175-05-15.000A1- | 15                |                  | 63          | 133         | 83          | 48          | 16                | ☺      |
|                    | DC175-05-15.100A1- | 15,1              |                  | 63          | 133         | 83          | 48          | 16                | ☺      |
|                    | DC175-05-15.300A1- | 15,3              |                  | 63          | 133         | 83          | 48          | 16                | ☺      |
|                    | DC175-05-15.500A1- | 15,5              |                  | 63          | 133         | 83          | 48          | 16                | ☺      |
|                    | DC175-05-15.800A1- | 15,8              |                  | 63          | 133         | 83          | 48          | 16                | ☺      |
|                    | DC175-05-15.875A1- | 15,875            | 5/8"             | 63          | 133         | 83          | 48          | 16                | ☺      |
|                    | DC175-05-16.000A1- | 16                |                  | 63          | 133         | 83          | 48          | 16                | ☺      |
|                    | DC175-05-16.500A1- | 16,5              |                  | 71          | 143         | 93          | 48          | 18                | ☺      |
| DC175-05-17.000A1- | 17                 |                   | 71               | 143         | 93          | 48          | 18          | ☺                 |        |
| DC175-05-17.500A1- | 17,5               |                   | 71               | 143         | 93          | 48          | 18          | ☺                 |        |
| DC175-05-18.000A1- | 18                 |                   | 71               | 143         | 93          | 48          | 18          | ☺                 |        |
| DC175-05-18.500A1- | 18,5               |                   | 77               | 153         | 101         | 50          | 20          | ☺                 |        |
| DC175-05-19.000A1- | 19                 |                   | 77               | 153         | 101         | 50          | 20          | ☺                 |        |
| DC175-05-19.500A1- | 19,5               |                   | 77               | 153         | 101         | 50          | 20          | ☺                 |        |
| DC175-05-20.000A1- | 20                 |                   | 77               | 153         | 101         | 50          | 20          | ☺                 |        |

При  $\varnothing$  3–3,75, общая длина по DIN 6537 L, канавки в сравнении с DIN 6537 L укорочены | Пример заказа инструмента из сплава WJ30RZ: DC175-05-03.000A1-WJ30RZ

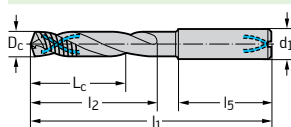
# Свёрла твердосплавные, с внутренним подводом СОЖ DC170 Supreme



B1



## Инструмент



DIN 6535 HA

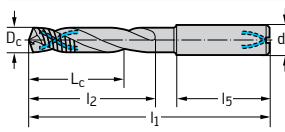
| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30EJ |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC170-05-03.000A1- | 3                          |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC170-05-03.100A1- | 3,1                        |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC170-05-03.175A1- | 3,175                      | 1/8"                   | 23                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC170-05-03.200A1- | 3,2                        |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC170-05-03.300A1- | 3,3                        |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC170-05-03.400A1- | 3,4                        |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC170-05-03.500A1- | 3,5                        |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC170-05-03.600A1- | 3,6                        |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC170-05-03.700A1- | 3,7                        |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC170-05-03.800A1- | 3,8                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☹      |
| DC170-05-03.900A1- | 3,9                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☹      |
| DC170-05-03.969A1- | 3,969                      | 5/32"                  | 29                   | 74                   | 36                   | 36                   | 6                          | ☹      |
| DC170-05-04.000A1- | 4                          |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☹      |
| DC170-05-04.100A1- | 4,1                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☹      |
| DC170-05-04.200A1- | 4,2                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☹      |
| DC170-05-04.300A1- | 4,3                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☹      |
| DC170-05-04.366A1- | 4,366                      | 11/64"                 | 29                   | 74                   | 36                   | 36                   | 6                          | ☹      |
| DC170-05-04.400A1- | 4,4                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☹      |
| DC170-05-04.500A1- | 4,5                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☹      |
| DC170-05-04.600A1- | 4,6                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☹      |
| DC170-05-04.650A1- | 4,65                       |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☹      |
| DC170-05-04.700A1- | 4,7                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☹      |
| DC170-05-04.763A1- | 4,763                      | 3/16"                  | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC170-05-04.800A1- | 4,8                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC170-05-04.900A1- | 4,9                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC170-05-05.000A1- | 5                          |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC170-05-05.100A1- | 5,1                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC170-05-05.159A1- | 5,159                      | 13/64"                 | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC170-05-05.200A1- | 5,2                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC170-05-05.300A1- | 5,3                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC170-05-05.500A1- | 5,5                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC170-05-05.550A1- | 5,55                       |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC170-05-05.556A1- | 5,556                      | 7/32"                  | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC170-05-05.600A1- | 5,6                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC170-05-05.700A1- | 5,7                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC170-05-05.800A1- | 5,8                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |

Пример заказа инструмента из сплава WJ30EJ: DC170-05-03.000A1-WJ30EJ

**WALTER  
SELECT**

●● Основная область применения   
 ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки

## Инструмент



DIN 6535 HA

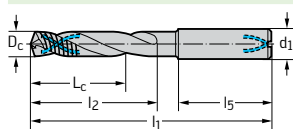
| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30EJ |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC170-05-05.900A1- | 5,9                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
| DC170-05-05.953A1- | 5,953                      | 15/64"                 | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
| DC170-05-06.000A1- | 6                          |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
| DC170-05-06.100A1- | 6,1                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC170-05-06.200A1- | 6,2                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC170-05-06.300A1- | 6,3                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC170-05-06.350A1- | 6,350                      | 1/4"                   | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC170-05-06.400A1- | 6,4                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC170-05-06.500A1- | 6,5                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC170-05-06.600A1- | 6,6                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC170-05-06.700A1- | 6,7                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC170-05-06.747A1- | 6,747                      | 17/64"                 | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC170-05-06.800A1- | 6,8                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC170-05-06.900A1- | 6,9                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC170-05-07.000A1- | 7                          |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC170-05-07.100A1- | 7,1                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC170-05-07.144A1- | 7,144                      | 9/32"                  | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC170-05-07.200A1- | 7,2                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC170-05-07.300A1- | 7,3                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC170-05-07.400A1- | 7,4                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC170-05-07.500A1- | 7,5                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC170-05-07.800A1- | 7,8                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC170-05-07.900A1- | 7,9                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC170-05-07.938A1- | 7,938                      | 5/16"                  | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC170-05-08.000A1- | 8                          |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC170-05-08.100A1- | 8,1                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC170-05-08.200A1- | 8,2                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC170-05-08.300A1- | 8,3                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC170-05-08.334A1- | 8,334                      | 21/64"                 | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC170-05-08.400A1- | 8,4                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC170-05-08.500A1- | 8,5                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC170-05-08.600A1- | 8,6                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC170-05-08.700A1- | 8,7                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC170-05-08.731A1- | 8,731                      | 11/32"                 | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC170-05-08.800A1- | 8,8                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC170-05-09.000A1- | 9                          |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC170-05-09.128A1- | 9,128                      | 23/64"                 | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC170-05-09.200A1- | 9,2                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC170-05-09.300A1- | 9,3                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC170-05-09.500A1- | 9,5                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC170-05-09.525A1- | 9,525                      | 3/8"                   | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC170-05-09.600A1- | 9,6                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC170-05-09.700A1- | 9,7                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC170-05-09.800A1- | 9,8                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC170-05-09.900A1- | 9,9                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC170-05-10.000A1- | 10                         |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |

Пример заказа инструмента из сплава WJ30EJ: DC170-05-03.000A1-WJ30EJ

WALTER  
SELECT

● ● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

## Инструмент



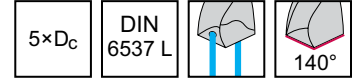
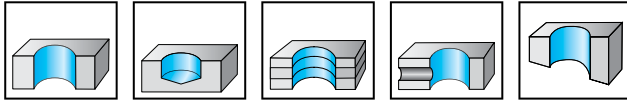
DIN 6535 HA

| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30EJ |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC170-05-10.100A1- | 10,1                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC170-05-10.200A1- | 10,2                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC170-05-10.300A1- | 10,3                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC170-05-10.319A1- | 10,319                     | 13/32"                 | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC170-05-10.400A1- | 10,4                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC170-05-10.500A1- | 10,5                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC170-05-10.716A1- | 10,716                     | 27/64"                 | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC170-05-10.800A1- | 10,8                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC170-05-11.000A1- | 11                         |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC170-05-11.100A1- | 11,1                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC170-05-11.113A1- | 11,113                     | 7/16"                  | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC170-05-11.200A1- | 11,2                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC170-05-11.500A1- | 11,5                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC170-05-11.509A1- | 11,509                     | 29/64"                 | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC170-05-11.800A1- | 11,8                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC170-05-11.906A1- | 11,906                     | 15/32"                 | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC170-05-12.000A1- | 12                         |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC170-05-12.100A1- | 12,1                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC170-05-12.200A1- | 12,2                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC170-05-12.300A1- | 12,3                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC170-05-12.303A1- | 12,303                     | 31/64"                 | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC170-05-12.500A1- | 12,5                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC170-05-12.700A1- | 12,700                     | 1/2"                   | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC170-05-13.000A1- | 13                         |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC170-05-13.300A1- | 13,3                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC170-05-13.494A1- | 13,494                     | 17/32"                 | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC170-05-13.500A1- | 13,5                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC170-05-14.000A1- | 14                         |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC170-05-14.288A1- | 14,288                     | 9/16"                  | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC170-05-14.500A1- | 14,5                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC170-05-15.000A1- | 15                         |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC170-05-15.500A1- | 15,5                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC170-05-15.875A1- | 15,875                     | 5/8"                   | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC170-05-16.000A1- | 16                         |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC170-05-16.500A1- | 16,5                       |                        | 71                   | 143                  | 93                   | 48                   | 18                         | ☹      |
| DC170-05-17.000A1- | 17                         |                        | 71                   | 143                  | 93                   | 48                   | 18                         | ☹      |
| DC170-05-17.500A1- | 17,5                       |                        | 71                   | 143                  | 93                   | 48                   | 18                         | ☹      |
| DC170-05-18.000A1- | 18                         |                        | 71                   | 143                  | 93                   | 48                   | 18                         | ☹      |
| DC170-05-18.500A1- | 18,5                       |                        | 77                   | 153                  | 101                  | 50                   | 20                         | ☹      |
| DC170-05-19.000A1- | 19                         |                        | 77                   | 153                  | 101                  | 50                   | 20                         | ☹      |
| DC170-05-19.050A1- | 19,050                     | 3/4"                   | 77                   | 153                  | 101                  | 50                   | 20                         | ☹      |
| DC170-05-20.000A1- | 20                         |                        | 77                   | 153                  | 101                  | 50                   | 20                         | ☹      |

Пример заказа инструмента из сплава WJ30EJ: DC170-05-03.000A1-WJ30EJ

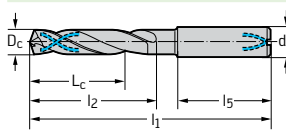


# Твердосплавное спиральное сверло DC166 Supreme



|        |   |   |   |   |   |   |   |
|--------|---|---|---|---|---|---|---|
| WJ30UU | P | M | K | N | S | H | O |
|--------|---|---|---|---|---|---|---|

## Инструмент



DIN 6535 HA

| Обозначение        | D <sub>c</sub><br>m7<br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30UU |
|--------------------|----------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC166-05-03.000A1- | 3                          | 23                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC166-05-04.000A1- | 4                          | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
| DC166-05-04.200A1- | 4,2                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
| DC166-05-05.000A1- | 5                          | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
| DC166-05-06.000A1- | 6                          | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
| DC166-05-06.800A1- | 6,8                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC166-05-07.500A1- | 7,5                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC166-05-08.000A1- | 8                          | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC166-05-08.500A1- | 8,5                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC166-05-09.300A1- | 9,3                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC166-05-10.000A1- | 10                         | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC166-05-10.200A1- | 10,2                       | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC166-05-12.000A1- | 12                         | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |

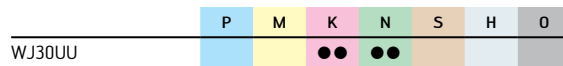
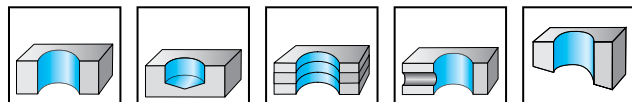
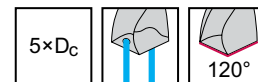
Пример заказа инструмента из сплава WJ30UU: DC166-05-03.000A1-WJ30UU

**WALTER SELECT**      ●● Основная область применения      ● Возможная область применения

Оптимально подходит для → хороших = ☺      → нормальных = ☹      → неблагоприятных = ☹☹ условий обработки

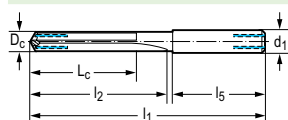
B1

# Свёрла твердосплавные, с внутренним подводом СОЖ, с прямыми канавками DC165 Advance



B1

## Инструмент



DIN 6535 HA

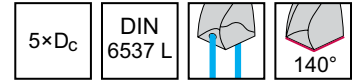
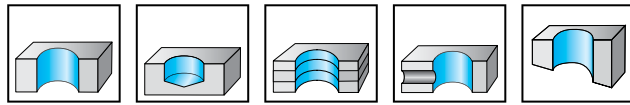
| Обозначение        | D <sub>c</sub><br>k6<br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>mm | WJ30UU |
|--------------------|----------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|--------|
| DC165-05-04.000A1- | 4                          | 16                   | 74                   | 31                   | 36                   | 6                    | ☺      |
| DC165-05-05.000A1- | 5                          | 22                   | 82                   | 40                   | 36                   | 6                    | ☺      |
| DC165-05-06.000A1- | 6                          | 22                   | 82                   | 40                   | 36                   | 6                    | ☺      |
| DC165-05-08.000A1- | 8                          | 29                   | 91                   | 49                   | 36                   | 8                    | ☺      |
| DC165-05-08.500A1- | 8,5                        | 37                   | 103                  | 57                   | 40                   | 10                   | ☺      |
| DC165-05-10.000A1- | 10                         | 37                   | 103                  | 57                   | 40                   | 10                   | ☺      |
| DC165-05-10.200A1- | 10,2                       | 43                   | 118                  | 67                   | 45                   | 12                   | ☺      |
| DC165-05-11.000A1- | 11                         | 43                   | 118                  | 67                   | 45                   | 12                   | ☺      |
| DC165-05-12.000A1- | 12                         | 43                   | 118                  | 67                   | 45                   | 12                   | ☺      |
| DC165-05-14.000A1- | 14                         | 45                   | 124                  | 73                   | 45                   | 14                   | ☺      |
| DC165-05-15.000A1- | 15                         | 55                   | 133                  | 79                   | 48                   | 16                   | ☺      |
| DC165-05-16.000A1- | 16                         | 55                   | 133                  | 79                   | 48                   | 16                   | ☺      |

Пример заказа инструмента из сплава WJ30UU: DC165-05-04.000A1-WJ30UU

# Свёрла твердосплавные с внутренним подводом СОЖ

## DC160 Advance

### X-treme Evo



|        |    |   |    |    |    |   |   |
|--------|----|---|----|----|----|---|---|
|        | P  | M | K  | N  | S  | H | O |
| WJ30ET | ●● | ● | ●● | ●● | ●● | ● | ● |

B1

| Инструмент | Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30ET |
|------------|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
|            | DC160-05-03.000A1- | 3                          |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|            | DC160-05-03.100A1- | 3,1                        |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|            | DC160-05-03.175A1- | 3,175                      | 1/8"                   | 23                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|            | DC160-05-03.200A1- | 3,2                        |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|            | DC160-05-03.250A1- | 3,25                       |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|            | DC160-05-03.300A1- | 3,3                        |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|            | DC160-05-03.400A1- | 3,4                        |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|            | DC160-05-03.500A1- | 3,5                        |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|            | DC160-05-03.572A1- | 3,572                      | 9/64"                  | 23                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|            | DC160-05-03.600A1- | 3,6                        |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|            | DC160-05-03.650A1- | 3,65                       |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|            | DC160-05-03.700A1- | 3,7                        |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|            | DC160-05-03.800A1- | 3,8                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
|            | DC160-05-03.900A1- | 3,9                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
|            | DC160-05-03.969A1- | 3,969                      | 5/32"                  | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
|            | DC160-05-04.000A1- | 4                          |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
|            | DC160-05-04.100A1- | 4,1                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
|            | DC160-05-04.200A1- | 4,2                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
|            | DC160-05-04.300A1- | 4,3                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
|            | DC160-05-04.366A1- | 4,366                      | 11/64"                 | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
|            | DC160-05-04.400A1- | 4,4                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
|            | DC160-05-04.500A1- | 4,5                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
|            | DC160-05-04.600A1- | 4,6                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
|            | DC160-05-04.650A1- | 4,65                       |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
|            | DC160-05-04.700A1- | 4,7                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
|            | DC160-05-04.763A1- | 4,763                      | 3/16"                  | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
|            | DC160-05-04.800A1- | 4,8                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
|            | DC160-05-04.900A1- | 4,9                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
|            | DC160-05-05.000A1- | 5                          |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
|            | DC160-05-05.100A1- | 5,1                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
|            | DC160-05-05.159A1- | 5,159                      | 13/64"                 | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
|            | DC160-05-05.200A1- | 5,2                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
|            | DC160-05-05.300A1- | 5,3                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
|            | DC160-05-05.400A1- | 5,4                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
|            | DC160-05-05.500A1- | 5,5                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
|            | DC160-05-05.550A1- | 5,55                       |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |

Пример заказа инструмента из сплава WJ30ET: DC160-05-03.000A1-WJ30ET

**WALTER SELECT**

●● Основная область применения    ● Возможная область применения

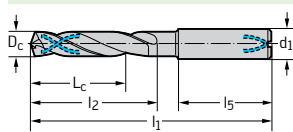
Оптимально подходит для → хороших = ☺    → нормальных = ☹    → неблагоприятных = ☹☹ условий обработки

☺ ☹ ☹☹ / \* = Новый инструмент

Свёрла твердосплавные с внутренним подводом СОЖ

B 67

## Инструмент



DIN 6535 HA

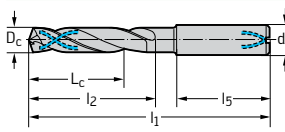
| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30ET |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC160-05-05.556A1- | 5,556                      | 7/32"                  | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC160-05-05.600A1- | 5,6                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC160-05-05.700A1- | 5,7                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC160-05-05.800A1- | 5,8                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC160-05-05.900A1- | 5,9                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC160-05-05.953A1- | 5,953                      | 15/64"                 | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC160-05-06.000A1- | 6                          |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC160-05-06.100A1- | 6,1                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC160-05-06.200A1- | 6,2                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC160-05-06.300A1- | 6,3                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC160-05-06.350A1- | 6,350                      | 1/4"                   | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC160-05-06.400A1- | 6,4                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC160-05-06.500A1- | 6,5                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC160-05-06.600A1- | 6,6                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC160-05-06.700A1- | 6,7                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC160-05-06.747A1- | 6,747                      | 17/64"                 | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC160-05-06.800A1- | 6,8                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC160-05-06.900A1- | 6,9                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC160-05-07.000A1- | 7                          |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC160-05-07.100A1- | 7,1                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC160-05-07.144A1- | 7,144                      | 9/32"                  | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC160-05-07.200A1- | 7,2                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC160-05-07.300A1- | 7,3                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC160-05-07.400A1- | 7,4                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC160-05-07.500A1- | 7,5                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC160-05-07.541A1- | 7,541                      | 19/64"                 | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC160-05-07.550A1- | 7,55                       |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC160-05-07.600A1- | 7,6                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC160-05-07.700A1- | 7,7                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC160-05-07.800A1- | 7,8                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC160-05-07.900A1- | 7,9                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC160-05-07.938A1- | 7,938                      | 5/16"                  | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC160-05-08.000A1- | 8                          |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC160-05-08.100A1- | 8,1                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC160-05-08.200A1- | 8,2                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC160-05-08.300A1- | 8,3                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC160-05-08.334A1- | 8,334                      | 21/64"                 | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC160-05-08.400A1- | 8,4                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC160-05-08.500A1- | 8,5                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC160-05-08.600A1- | 8,6                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC160-05-08.700A1- | 8,7                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC160-05-08.731A1- | 8,731                      | 11/32"                 | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC160-05-08.800A1- | 8,8                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC160-05-08.900A1- | 8,9                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC160-05-09.000A1- | 9                          |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC160-05-09.100A1- | 9,1                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |

Пример заказа инструмента из сплава WJ30ET: DC160-05-03.000A1-WJ30ET

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 ●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☹ → нормальных = ☹☹ → неблагоприятных = ☹☹☹ условий обработки

## Инструмент



DIN 6535 HA

| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30ET |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC160-05-09.128A1- | 9,128                      | 23/64"                 | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC160-05-09.200A1- | 9,2                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC160-05-09.300A1- | 9,3                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC160-05-09.400A1- | 9,4                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC160-05-09.500A1- | 9,5                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC160-05-09.525A1- | 9,525                      | 3/8"                   | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC160-05-09.550A1- | 9,55                       |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC160-05-09.600A1- | 9,6                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC160-05-09.700A1- | 9,7                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC160-05-09.800A1- | 9,8                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC160-05-09.900A1- | 9,9                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC160-05-09.922A1- | 9,922                      | 25/64"                 | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC160-05-10.000A1- | 10                         |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC160-05-10.100A1- | 10,1                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC160-05-10.200A1- | 10,2                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC160-05-10.300A1- | 10,3                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC160-05-10.319A1- | 10,319                     | 13/32"                 | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC160-05-10.400A1- | 10,4                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC160-05-10.500A1- | 10,5                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC160-05-10.600A1- | 10,6                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC160-05-10.700A1- | 10,7                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC160-05-10.716A1- | 10,716                     | 27/64"                 | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC160-05-10.800A1- | 10,8                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC160-05-10.900A1- | 10,9                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC160-05-11.000A1- | 11                         |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC160-05-11.100A1- | 11,1                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC160-05-11.113A1- | 11,113                     | 7/16"                  | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC160-05-11.200A1- | 11,2                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC160-05-11.300A1- | 11,3                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC160-05-11.400A1- | 11,4                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC160-05-11.500A1- | 11,5                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC160-05-11.509A1- | 11,509                     | 29/64"                 | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC160-05-11.550A1- | 11,55                      |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC160-05-11.600A1- | 11,6                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC160-05-11.700A1- | 11,7                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC160-05-11.800A1- | 11,8                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC160-05-11.900A1- | 11,9                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC160-05-11.906A1- | 11,906                     | 15/32"                 | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC160-05-12.000A1- | 12                         |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC160-05-12.100A1- | 12,1                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☺      |
| DC160-05-12.200A1- | 12,2                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☺      |
| DC160-05-12.250A1- | 12,25                      |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☺      |
| DC160-05-12.300A1- | 12,3                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☺      |
| DC160-05-12.303A1- | 12,303                     | 31/64"                 | 60                   | 124                  | 77                   | 45                   | 14                         | ☺      |
| DC160-05-12.400A1- | 12,4                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☺      |
| DC160-05-12.500A1- | 12,5                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☺      |

Пример заказа инструмента из сплава WJ30ET: DC160-05-03.000A1-WJ30ET

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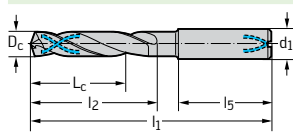
●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

☺ ☹ ☹ / \* = Новый инструмент

Свёрла твердосплавные с внутренним подводом СОЖ

B 69

## Инструмент



DIN 6535 HA

| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30ET |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC160-05-12.600A1- | 12,6                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC160-05-12.700A1- | 12,700                     | 1/2"                   | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC160-05-12.750A1- | 12,75                      |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC160-05-12.800A1- | 12,8                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC160-05-12.900A1- | 12,9                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC160-05-13.000A1- | 13                         |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC160-05-13.100A1- | 13,1                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC160-05-13.200A1- | 13,2                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC160-05-13.300A1- | 13,3                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC160-05-13.400A1- | 13,4                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC160-05-13.494A1- | 13,494                     | 17/32"                 | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC160-05-13.500A1- | 13,5                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC160-05-13.600A1- | 13,6                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC160-05-13.700A1- | 13,7                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC160-05-13.800A1- | 13,8                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC160-05-13.900A1- | 13,9                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC160-05-14.000A1- | 14                         |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC160-05-14.100A1- | 14,1                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-14.200A1- | 14,2                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-14.288A1- | 14,288                     | 9/16"                  | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-14.300A1- | 14,3                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-14.400A1- | 14,4                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-14.500A1- | 14,5                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-14.600A1- | 14,6                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-14.700A1- | 14,7                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-14.750A1- | 14,75                      |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-14.800A1- | 14,8                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-14.900A1- | 14,9                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-15.000A1- | 15                         |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-15.100A1- | 15,1                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-15.200A1- | 15,2                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-15.300A1- | 15,3                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-15.400A1- | 15,4                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-15.500A1- | 15,5                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-15.600A1- | 15,6                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-15.700A1- | 15,7                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-15.800A1- | 15,8                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-15.875A1- | 15,875                     | 5/8"                   | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-15.900A1- | 15,9                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-16.000A1- | 16                         |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-16.100A1- | 16,1                       |                        | 71                   | 143                  | 93                   | 48                   | 18                         | ☹      |
| DC160-05-16.200A1- | 16,2                       |                        | 71                   | 143                  | 93                   | 48                   | 18                         | ☹      |
| DC160-05-16.300A1- | 16,3                       |                        | 71                   | 143                  | 93                   | 48                   | 18                         | ☹      |
| DC160-05-16.400A1- | 16,4                       |                        | 71                   | 143                  | 93                   | 48                   | 18                         | ☹      |
| DC160-05-16.500A1- | 16,5                       |                        | 71                   | 143                  | 93                   | 48                   | 18                         | ☹      |
| DC160-05-16.600A1- | 16,6                       |                        | 71                   | 143                  | 93                   | 48                   | 18                         | ☹      |

Пример заказа инструмента из сплава WJ30ET: DC160-05-03.000A1-WJ30ET

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 ●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☹ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

| Инструмент         |                    | $D_c$<br>m7<br>mm | $D_c$ Inch/Nr | $L_c$<br>mm | $l_1$<br>mm | $l_2$<br>mm | $l_5$<br>mm | $d_1$<br>h6<br>mm | WJ30ET |
|--------------------|--------------------|-------------------|---------------|-------------|-------------|-------------|-------------|-------------------|--------|
|                    | Обозначение        |                   |               |             |             |             |             |                   |        |
|                    | DC160-05-16.700A1- | 16,7              |               | 71          | 143         | 93          | 48          | 18                | ☺      |
|                    | DC160-05-16.750A1- | 16,75             |               | 71          | 143         | 93          | 48          | 18                | ☺      |
|                    | DC160-05-16.800A1- | 16,8              |               | 71          | 143         | 93          | 48          | 18                | ☺      |
|                    | DC160-05-16.900A1- | 16,9              |               | 71          | 143         | 93          | 48          | 18                | ☺      |
|                    | DC160-05-17.000A1- | 17                |               | 71          | 143         | 93          | 48          | 18                | ☺      |
|                    | DC160-05-17.100A1- | 17,1              |               | 71          | 143         | 93          | 48          | 18                | ☺      |
|                    | DC160-05-17.200A1- | 17,2              |               | 71          | 143         | 93          | 48          | 18                | ☺      |
|                    | DC160-05-17.300A1- | 17,3              |               | 71          | 143         | 93          | 48          | 18                | ☺      |
|                    | DC160-05-17.400A1- | 17,4              |               | 71          | 143         | 93          | 48          | 18                | ☺      |
|                    | DC160-05-17.500A1- | 17,5              |               | 71          | 143         | 93          | 48          | 18                | ☺      |
|                    | DC160-05-17.600A1- | 17,6              |               | 71          | 143         | 93          | 48          | 18                | ☺      |
|                    | DC160-05-17.700A1- | 17,7              |               | 71          | 143         | 93          | 48          | 18                | ☺      |
|                    | DC160-05-17.800A1- | 17,8              |               | 71          | 143         | 93          | 48          | 18                | ☺      |
|                    | DC160-05-17.900A1- | 17,9              |               | 71          | 143         | 93          | 48          | 18                | ☺      |
|                    | DC160-05-18.000A1- | 18                |               | 71          | 143         | 93          | 48          | 18                | ☺      |
|                    | DC160-05-18.100A1- | 18,1              |               | 77          | 153         | 101         | 50          | 20                | ☺      |
|                    | DC160-05-18.200A1- | 18,2              |               | 77          | 153         | 101         | 50          | 20                | ☺      |
|                    | DC160-05-18.300A1- | 18,3              |               | 77          | 153         | 101         | 50          | 20                | ☺      |
|                    | DC160-05-18.400A1- | 18,4              |               | 77          | 153         | 101         | 50          | 20                | ☺      |
|                    | DC160-05-18.500A1- | 18,5              |               | 77          | 153         | 101         | 50          | 20                | ☺      |
|                    | DC160-05-18.600A1- | 18,6              |               | 77          | 153         | 101         | 50          | 20                | ☺      |
|                    | DC160-05-18.700A1- | 18,7              |               | 77          | 153         | 101         | 50          | 20                | ☺      |
|                    | DC160-05-18.800A1- | 18,8              |               | 77          | 153         | 101         | 50          | 20                | ☺      |
|                    | DC160-05-18.900A1- | 18,9              |               | 77          | 153         | 101         | 50          | 20                | ☺      |
|                    | DC160-05-19.000A1- | 19                |               | 77          | 153         | 101         | 50          | 20                | ☺      |
|                    | DC160-05-19.050A1- | 19,050            | 3/4"          | 77          | 153         | 101         | 50          | 20                | ☺      |
|                    | DC160-05-19.100A1- | 19,1              |               | 77          | 153         | 101         | 50          | 20                | ☺      |
|                    | DC160-05-19.200A1- | 19,2              |               | 77          | 153         | 101         | 50          | 20                | ☺      |
|                    | DC160-05-19.300A1- | 19,3              |               | 77          | 153         | 101         | 50          | 20                | ☺      |
| DC160-05-19.400A1- | 19,4               |                   | 77            | 153         | 101         | 50          | 20          | ☺                 |        |
| DC160-05-19.500A1- | 19,5               |                   | 77            | 153         | 101         | 50          | 20          | ☺                 |        |
| DC160-05-19.600A1- | 19,6               |                   | 77            | 153         | 101         | 50          | 20          | ☺                 |        |
| DC160-05-19.700A1- | 19,7               |                   | 77            | 153         | 101         | 50          | 20          | ☺                 |        |
| DC160-05-19.800A1- | 19,8               |                   | 77            | 153         | 101         | 50          | 20          | ☺                 |        |
| DC160-05-19.900A1- | 19,9               |                   | 77            | 153         | 101         | 50          | 20          | ☺                 |        |
| DC160-05-20.000A1- | 20                 |                   | 77            | 153         | 101         | 50          | 20          | ☺                 |        |
| DC160-05-20.500A1- | 20,5               |                   | 86            | 166         | 108         | 56          | 25          | ☺                 |        |
| DC160-05-21.000A1- | 21                 |                   | 86            | 166         | 108         | 56          | 25          | ☺                 |        |
| DC160-05-21.500A1- | 21,5               |                   | 86            | 166         | 108         | 56          | 25          | ☺                 |        |
| DC160-05-22.000A1- | 22                 |                   | 86            | 166         | 108         | 56          | 25          | ☺                 |        |
| DC160-05-22.500A1- | 22,5               |                   | 91            | 173         | 115         | 56          | 25          | ☺                 |        |
| DC160-05-23.000A1- | 23                 |                   | 91            | 173         | 115         | 56          | 25          | ☺                 |        |
| DC160-05-23.500A1- | 23,5               |                   | 91            | 173         | 115         | 56          | 25          | ☺                 |        |
| DC160-05-24.000A1- | 24                 |                   | 91            | 173         | 115         | 56          | 25          | ☺                 |        |
| DC160-05-24.500A1- | 24,5               |                   | 97            | 180         | 122         | 56          | 25          | ☺                 |        |
| DC160-05-25.000A1- | 25                 |                   | 97            | 180         | 122         | 56          | 25          | ☺                 |        |

Пример заказа инструмента из сплава WJ30ET: DC160-05-03.000A1-WJ30ET

**WALTER  
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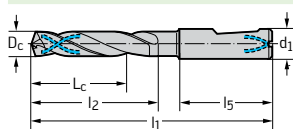
●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки

☺ ☹ ☹☹ / \* = Новый инструмент

Свёрла твердосплавные с внутренним подводом СОЖ

В 71

## Инструмент



DIN 6535 HE

| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30ET |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC160-05-03.000F1- | 3                          |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☹☹     |
| DC160-05-03.100F1- | 3,1                        |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☹☹     |
| DC160-05-03.200F1- | 3,2                        |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☹☹     |
| DC160-05-03.250F1- | 3,25                       |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☹☹     |
| DC160-05-03.300F1- | 3,3                        |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☹☹     |
| DC160-05-03.400F1- | 3,4                        |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☹☹     |
| DC160-05-03.500F1- | 3,5                        |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☹☹     |
| DC160-05-03.600F1- | 3,6                        |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☹☹     |
| DC160-05-03.650F1- | 3,65                       |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☹☹     |
| DC160-05-03.700F1- | 3,7                        |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☹☹     |
| DC160-05-03.800F1- | 3,8                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☹☹     |
| DC160-05-03.900F1- | 3,9                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☹☹     |
| DC160-05-04.000F1- | 4                          |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☹☹     |
| DC160-05-04.100F1- | 4,1                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☹☹     |
| DC160-05-04.200F1- | 4,2                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☹☹     |
| DC160-05-04.300F1- | 4,3                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☹☹     |
| DC160-05-04.400F1- | 4,4                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☹☹     |
| DC160-05-04.500F1- | 4,5                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☹☹     |
| DC160-05-04.600F1- | 4,6                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☹☹     |
| DC160-05-04.650F1- | 4,65                       |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☹☹     |
| DC160-05-04.700F1- | 4,7                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☹☹     |
| DC160-05-04.800F1- | 4,8                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹☹     |
| DC160-05-04.900F1- | 4,9                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹☹     |
| DC160-05-05.000F1- | 5                          |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹☹     |
| DC160-05-05.100F1- | 5,1                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹☹     |
| DC160-05-05.200F1- | 5,2                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹☹     |
| DC160-05-05.300F1- | 5,3                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹☹     |
| DC160-05-05.400F1- | 5,4                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹☹     |
| DC160-05-05.500F1- | 5,5                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹☹     |
| DC160-05-05.550F1- | 5,55                       |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹☹     |
| DC160-05-05.600F1- | 5,6                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹☹     |
| DC160-05-05.700F1- | 5,7                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹☹     |
| DC160-05-05.800F1- | 5,8                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹☹     |
| DC160-05-05.900F1- | 5,9                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹☹     |
| DC160-05-06.000F1- | 6                          |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹☹     |
| DC160-05-06.100F1- | 6,1                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹☹     |
| DC160-05-06.200F1- | 6,2                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹☹     |
| DC160-05-06.300F1- | 6,3                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹☹     |
| DC160-05-06.400F1- | 6,4                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹☹     |
| DC160-05-06.500F1- | 6,5                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹☹     |
| DC160-05-06.600F1- | 6,6                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹☹     |
| DC160-05-06.700F1- | 6,7                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹☹     |
| DC160-05-06.800F1- | 6,8                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹☹     |
| DC160-05-06.900F1- | 6,9                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹☹     |
| DC160-05-07.000F1- | 7                          |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹☹     |
| DC160-05-07.100F1- | 7,1                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹☹     |

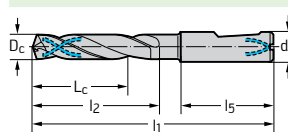
Пример заказа инструмента из сплава WJ30ET: DC160-05-03.000A1-WJ30ET

**WALTER  
SELECT**

 ●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☹☹ → нормальных = ☹☹ → неблагоприятных = ☹☹☹ условий обработки



## Инструмент



DIN 6535 HE

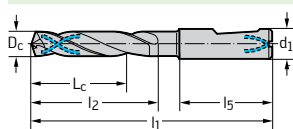
| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30ET |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC160-05-07.200F1- | 7,2                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC160-05-07.300F1- | 7,3                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC160-05-07.400F1- | 7,4                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC160-05-07.500F1- | 7,5                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC160-05-07.550F1- | 7,55                       |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC160-05-07.600F1- | 7,6                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC160-05-07.700F1- | 7,7                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC160-05-07.800F1- | 7,8                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC160-05-07.900F1- | 7,9                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC160-05-08.000F1- | 8                          |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC160-05-08.100F1- | 8,1                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC160-05-08.200F1- | 8,2                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC160-05-08.300F1- | 8,3                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC160-05-08.400F1- | 8,4                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC160-05-08.500F1- | 8,5                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC160-05-08.600F1- | 8,6                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC160-05-08.700F1- | 8,7                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC160-05-08.800F1- | 8,8                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC160-05-08.900F1- | 8,9                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC160-05-09.000F1- | 9                          |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC160-05-09.100F1- | 9,1                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC160-05-09.200F1- | 9,2                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC160-05-09.300F1- | 9,3                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC160-05-09.400F1- | 9,4                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC160-05-09.500F1- | 9,5                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC160-05-09.550F1- | 9,55                       |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC160-05-09.600F1- | 9,6                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC160-05-09.700F1- | 9,7                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC160-05-09.800F1- | 9,8                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC160-05-09.900F1- | 9,9                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC160-05-10.000F1- | 10                         |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC160-05-10.100F1- | 10,1                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC160-05-10.200F1- | 10,2                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC160-05-10.300F1- | 10,3                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC160-05-10.400F1- | 10,4                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC160-05-10.500F1- | 10,5                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC160-05-10.600F1- | 10,6                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC160-05-10.700F1- | 10,7                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC160-05-10.800F1- | 10,8                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC160-05-10.900F1- | 10,9                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC160-05-11.000F1- | 11                         |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC160-05-11.100F1- | 11,1                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC160-05-11.200F1- | 11,2                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC160-05-11.300F1- | 11,3                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC160-05-11.400F1- | 11,4                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC160-05-11.500F1- | 11,5                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |

Пример заказа инструмента из сплава WJ30ET: DC160-05-03.000A1-WJ30ET

WALTER  
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●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки

## Инструмент



DIN 6535 HE

| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30ET |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC160-05-11.550F1- | 11,55                      |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC160-05-11.600F1- | 11,6                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC160-05-11.700F1- | 11,7                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC160-05-11.800F1- | 11,8                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC160-05-11.900F1- | 11,9                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC160-05-12.000F1- | 12                         |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☹      |
| DC160-05-12.100F1- | 12,1                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC160-05-12.200F1- | 12,2                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC160-05-12.250F1- | 12,25                      |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC160-05-12.300F1- | 12,3                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC160-05-12.400F1- | 12,4                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC160-05-12.500F1- | 12,5                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC160-05-12.600F1- | 12,6                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC160-05-12.700F1- | 12,700                     | 1/2"                   | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC160-05-12.800F1- | 12,8                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC160-05-12.900F1- | 12,9                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC160-05-13.000F1- | 13                         |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC160-05-13.100F1- | 13,1                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC160-05-13.200F1- | 13,2                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC160-05-13.300F1- | 13,3                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC160-05-13.400F1- | 13,4                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC160-05-13.500F1- | 13,5                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC160-05-13.600F1- | 13,6                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC160-05-13.700F1- | 13,7                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC160-05-13.800F1- | 13,8                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC160-05-13.900F1- | 13,9                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC160-05-14.000F1- | 14                         |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC160-05-14.100F1- | 14,1                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-14.200F1- | 14,2                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-14.300F1- | 14,3                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-14.400F1- | 14,4                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-14.500F1- | 14,5                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-14.600F1- | 14,6                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-14.700F1- | 14,7                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-14.750F1- | 14,75                      |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-14.800F1- | 14,8                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-14.900F1- | 14,9                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-15.000F1- | 15                         |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-15.100F1- | 15,1                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-15.200F1- | 15,2                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-15.300F1- | 15,3                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-15.400F1- | 15,4                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-15.500F1- | 15,5                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-15.600F1- | 15,6                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-15.700F1- | 15,7                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-15.800F1- | 15,8                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |

Пример заказа инструмента из сплава WJ30ET: DC160-05-03.000A1-WJ30ET

**WALTER  
SELECT**

 ●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☹ → нормальных = ☹☹ → неблагоприятных = ☹☹☹ условий обработки

| Инструмент         |                    | $D_c$<br>m7<br>mm | $D_c$ Inch/Nr | $L_c$<br>mm | $l_1$<br>mm | $l_2$<br>mm | $l_5$<br>mm | $d_1$<br>h6<br>mm | WJ30ET |
|--------------------|--------------------|-------------------|---------------|-------------|-------------|-------------|-------------|-------------------|--------|
|                    | Обозначение        |                   |               |             |             |             |             |                   |        |
|                    | DC160-05-15.900F1- | 15,9              |               | 63          | 133         | 83          | 48          | 16                | ☺      |
|                    | DC160-05-16.000F1- | 16                |               | 63          | 133         | 83          | 48          | 16                | ☺      |
|                    | DC160-05-16.100F1- | 16,1              |               | 71          | 143         | 93          | 48          | 18                | ☺      |
|                    | DC160-05-16.200F1- | 16,2              |               | 71          | 143         | 93          | 48          | 18                | ☺      |
|                    | DC160-05-16.300F1- | 16,3              |               | 71          | 143         | 93          | 48          | 18                | ☺      |
|                    | DC160-05-16.400F1- | 16,4              |               | 71          | 143         | 93          | 48          | 18                | ☺      |
|                    | DC160-05-16.500F1- | 16,5              |               | 71          | 143         | 93          | 48          | 18                | ☺      |
|                    | DC160-05-16.600F1- | 16,6              |               | 71          | 143         | 93          | 48          | 18                | ☺      |
|                    | DC160-05-16.700F1- | 16,7              |               | 71          | 143         | 93          | 48          | 18                | ☺      |
|                    | DC160-05-16.750F1- | 16,75             |               | 71          | 143         | 93          | 48          | 18                | ☺      |
|                    | DC160-05-16.800F1- | 16,8              |               | 71          | 143         | 93          | 48          | 18                | ☺      |
|                    | DC160-05-16.900F1- | 16,9              |               | 71          | 143         | 93          | 48          | 18                | ☺      |
|                    | DC160-05-17.000F1- | 17                |               | 71          | 143         | 93          | 48          | 18                | ☺      |
|                    | DC160-05-17.100F1- | 17,1              |               | 71          | 143         | 93          | 48          | 18                | ☺      |
|                    | DC160-05-17.200F1- | 17,2              |               | 71          | 143         | 93          | 48          | 18                | ☺      |
|                    | DC160-05-17.300F1- | 17,3              |               | 71          | 143         | 93          | 48          | 18                | ☺      |
|                    | DC160-05-17.400F1- | 17,4              |               | 71          | 143         | 93          | 48          | 18                | ☺      |
|                    | DC160-05-17.500F1- | 17,5              |               | 71          | 143         | 93          | 48          | 18                | ☺      |
|                    | DC160-05-17.600F1- | 17,6              |               | 71          | 143         | 93          | 48          | 18                | ☺      |
|                    | DC160-05-17.700F1- | 17,7              |               | 71          | 143         | 93          | 48          | 18                | ☺      |
|                    | DC160-05-17.800F1- | 17,8              |               | 71          | 143         | 93          | 48          | 18                | ☺      |
|                    | DC160-05-17.900F1- | 17,9              |               | 71          | 143         | 93          | 48          | 18                | ☺      |
|                    | DC160-05-18.000F1- | 18                |               | 71          | 143         | 93          | 48          | 18                | ☺      |
|                    | DC160-05-18.100F1- | 18,1              |               | 77          | 153         | 101         | 50          | 20                | ☺      |
|                    | DC160-05-18.200F1- | 18,2              |               | 77          | 153         | 101         | 50          | 20                | ☺      |
|                    | DC160-05-18.300F1- | 18,3              |               | 77          | 153         | 101         | 50          | 20                | ☺      |
|                    | DC160-05-18.400F1- | 18,4              |               | 77          | 153         | 101         | 50          | 20                | ☺      |
|                    | DC160-05-18.500F1- | 18,5              |               | 77          | 153         | 101         | 50          | 20                | ☺      |
|                    | DC160-05-18.600F1- | 18,6              |               | 77          | 153         | 101         | 50          | 20                | ☺      |
|                    | DC160-05-18.700F1- | 18,7              |               | 77          | 153         | 101         | 50          | 20                | ☺      |
|                    | DC160-05-18.800F1- | 18,8              |               | 77          | 153         | 101         | 50          | 20                | ☺      |
|                    | DC160-05-18.900F1- | 18,9              |               | 77          | 153         | 101         | 50          | 20                | ☺      |
| DC160-05-19.000F1- | 19                 |                   | 77            | 153         | 101         | 50          | 20          | ☺                 |        |
| DC160-05-19.100F1- | 19,1               |                   | 77            | 153         | 101         | 50          | 20          | ☺                 |        |
| DC160-05-19.200F1- | 19,2               |                   | 77            | 153         | 101         | 50          | 20          | ☺                 |        |
| DC160-05-19.300F1- | 19,3               |                   | 77            | 153         | 101         | 50          | 20          | ☺                 |        |
| DC160-05-19.400F1- | 19,4               |                   | 77            | 153         | 101         | 50          | 20          | ☺                 |        |
| DC160-05-19.500F1- | 19,5               |                   | 77            | 153         | 101         | 50          | 20          | ☺                 |        |
| DC160-05-19.600F1- | 19,6               |                   | 77            | 153         | 101         | 50          | 20          | ☺                 |        |
| DC160-05-19.700F1- | 19,7               |                   | 77            | 153         | 101         | 50          | 20          | ☺                 |        |
| DC160-05-19.800F1- | 19,8               |                   | 77            | 153         | 101         | 50          | 20          | ☺                 |        |
| DC160-05-19.900F1- | 19,9               |                   | 77            | 153         | 101         | 50          | 20          | ☺                 |        |
| DC160-05-20.000F1- | 20                 |                   | 77            | 153         | 101         | 50          | 20          | ☺                 |        |
| DC160-05-20.500F1- | 20,5               |                   | 86            | 166         | 108         | 56          | 25          | ☺                 |        |
| DC160-05-21.000F1- | 21                 |                   | 86            | 166         | 108         | 56          | 25          | ☺                 |        |
| DC160-05-21.500F1- | 21,5               |                   | 86            | 166         | 108         | 56          | 25          | ☺                 |        |

Пример заказа инструмента из сплава WJ30ET: DC160-05-03.000A1-WJ30ET

**WALTER  
SELECT**

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки

☺ ☹ ☹☹ / \* = Новый инструмент

Свёрла твердосплавные с внутренним подводом СОЖ

В 75

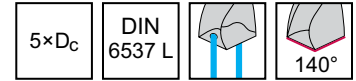
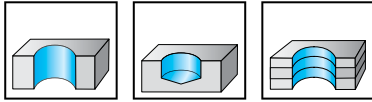
| Инструмент         |                    | $D_c$<br>m7<br>mm | $D_c$<br>Inch/Nr | $L_c$<br>mm | $l_1$<br>mm | $l_2$<br>mm | $l_5$<br>mm | $d_1$<br>h6<br>mm | WJ30ET |
|--------------------|--------------------|-------------------|------------------|-------------|-------------|-------------|-------------|-------------------|--------|
| <p>DIN 6535 HE</p> | Обозначение        |                   |                  |             |             |             |             |                   |        |
|                    | DC160-05-22.000F1- | 22                |                  | 86          | 166         | 108         | 56          | 25                | ☺☺     |
|                    | DC160-05-22.500F1- | 22,5              |                  | 91          | 173         | 115         | 56          | 25                | ☺☺     |
|                    | DC160-05-23.000F1- | 23                |                  | 91          | 173         | 115         | 56          | 25                | ☺☺     |
|                    | DC160-05-23.500F1- | 23,5              |                  | 91          | 173         | 115         | 56          | 25                | ☺☺     |
|                    | DC160-05-24.000F1- | 24                |                  | 91          | 173         | 115         | 56          | 25                | ☺☺     |
|                    | DC160-05-24.500F1- | 24,5              |                  | 97          | 180         | 122         | 56          | 25                | ☺☺     |
| DC160-05-25.000F1- | 25                 |                   | 97               | 180         | 122         | 56          | 25          | ☺☺                |        |

Пример заказа инструмента из сплава WJ30ET: DC160-05-03.000A1-WJ30ET

B1

# Свёрла твердосплавные с внутренним подводом СОЖ

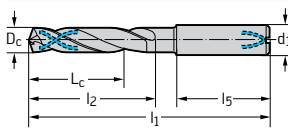
## DC150 Perform



|        |    |   |     |     |     |   |   |
|--------|----|---|-----|-----|-----|---|---|
|        | P  | M | K   | N   | S   | H | O |
| WJ30RE | ●● | ● | ●●● | ●●● | ●●● | ● | ● |

B1

### Инструмент



DIN 6535 HA

| Обозначение        | D <sub>c</sub><br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30RE |
|--------------------|----------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC150-05-03.000A1- | 3                    |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC150-05-03.100A1- | 3,1                  |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC150-05-03.175A1- | 3,175                | 1/8"                   | 23                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC150-05-03.200A1- | 3,2                  |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC150-05-03.250A1- | 3,25                 |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC150-05-03.300A1- | 3,3                  |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC150-05-03.400A1- | 3,4                  |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC150-05-03.500A1- | 3,5                  |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC150-05-03.572A1- | 3,572                | 9/64"                  | 23                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC150-05-03.600A1- | 3,6                  |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC150-05-03.650A1- | 3,65                 |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC150-05-03.700A1- | 3,7                  |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC150-05-03.800A1- | 3,8                  |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
| DC150-05-03.900A1- | 3,9                  |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
| DC150-05-03.969A1- | 3,969                | 5/32"                  | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
| DC150-05-04.000A1- | 4                    |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
| DC150-05-04.100A1- | 4,1                  |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
| DC150-05-04.200A1- | 4,2                  |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
| DC150-05-04.300A1- | 4,3                  |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
| DC150-05-04.366A1- | 4,366                | 11/64"                 | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
| DC150-05-04.400A1- | 4,4                  |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
| DC150-05-04.500A1- | 4,5                  |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
| DC150-05-04.600A1- | 4,6                  |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
| DC150-05-04.650A1- | 4,65                 |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
| DC150-05-04.700A1- | 4,7                  |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
| DC150-05-04.763A1- | 4,763                | 3/16"                  | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
| DC150-05-04.800A1- | 4,8                  |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
| DC150-05-04.900A1- | 4,9                  |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
| DC150-05-05.000A1- | 5                    |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
| DC150-05-05.100A1- | 5,1                  |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
| DC150-05-05.159A1- | 5,159                | 13/64"                 | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
| DC150-05-05.200A1- | 5,2                  |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
| DC150-05-05.300A1- | 5,3                  |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
| DC150-05-05.400A1- | 5,4                  |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
| DC150-05-05.500A1- | 5,5                  |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
| DC150-05-05.550A1- | 5,55                 |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |

Пример заказа инструмента из сплава WJ30RE: DC150-05-03.000A1-WJ30RE

**WALTER  
SELECT**

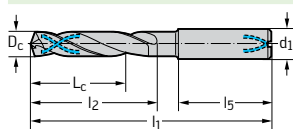
●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

☺ ☹ ☹ / \* = Новый инструмент

Свёрла твердосплавные с внутренним подводом СОЖ

B 77

## Инструмент



DIN 6535 HA

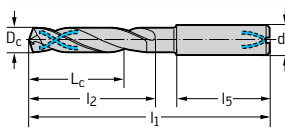
| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30RE |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC150-05-05.556A1- | 5,556                      | 7/32"                  | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC150-05-05.600A1- | 5,6                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC150-05-05.700A1- | 5,7                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC150-05-05.800A1- | 5,8                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC150-05-05.900A1- | 5,9                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC150-05-05.953A1- | 5,953                      | 15/64"                 | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC150-05-06.000A1- | 6                          |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC150-05-06.100A1- | 6,1                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC150-05-06.200A1- | 6,2                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC150-05-06.300A1- | 6,3                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC150-05-06.350A1- | 6,350                      | 1/4"                   | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC150-05-06.400A1- | 6,4                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC150-05-06.500A1- | 6,5                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC150-05-06.600A1- | 6,6                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC150-05-06.700A1- | 6,7                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC150-05-06.747A1- | 6,747                      | 17/64"                 | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC150-05-06.800A1- | 6,8                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC150-05-06.900A1- | 6,9                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC150-05-07.000A1- | 7                          |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC150-05-07.100A1- | 7,1                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC150-05-07.144A1- | 7,144                      | 9/32"                  | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC150-05-07.200A1- | 7,2                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC150-05-07.300A1- | 7,3                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC150-05-07.400A1- | 7,4                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC150-05-07.500A1- | 7,5                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC150-05-07.541A1- | 7,541                      | 19/64"                 | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC150-05-07.550A1- | 7,55                       |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC150-05-07.600A1- | 7,6                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC150-05-07.700A1- | 7,7                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC150-05-07.800A1- | 7,8                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC150-05-07.900A1- | 7,9                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC150-05-07.938A1- | 7,938                      | 5/16"                  | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC150-05-08.000A1- | 8                          |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC150-05-08.100A1- | 8,1                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC150-05-08.200A1- | 8,2                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC150-05-08.300A1- | 8,3                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC150-05-08.334A1- | 8,334                      | 21/64"                 | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC150-05-08.400A1- | 8,4                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC150-05-08.500A1- | 8,5                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC150-05-08.600A1- | 8,6                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC150-05-08.700A1- | 8,7                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC150-05-08.731A1- | 8,731                      | 11/32"                 | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC150-05-08.800A1- | 8,8                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC150-05-08.900A1- | 8,9                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC150-05-09.000A1- | 9                          |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC150-05-09.100A1- | 9,1                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |

Пример заказа инструмента из сплава WJ30RE: DC150-05-03.000A1-WJ30RE

**WALTER  
SELECT**

●● Основная область применения   
 ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки

## Инструмент



DIN 6535 HA

| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30RE |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC150-05-09.128A1- | 9,128                      | 23/64"                 | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC150-05-09.200A1- | 9,2                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC150-05-09.300A1- | 9,3                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC150-05-09.400A1- | 9,4                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC150-05-09.500A1- | 9,5                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC150-05-09.525A1- | 9,525                      | 3/8"                   | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC150-05-09.550A1- | 9,55                       |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC150-05-09.600A1- | 9,6                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC150-05-09.700A1- | 9,7                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC150-05-09.800A1- | 9,8                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC150-05-09.900A1- | 9,9                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC150-05-09.922A1- | 9,922                      | 25/64"                 | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC150-05-10.000A1- | 10                         |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC150-05-10.100A1- | 10,1                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC150-05-10.200A1- | 10,2                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC150-05-10.300A1- | 10,3                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC150-05-10.319A1- | 10,319                     | 13/32"                 | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC150-05-10.400A1- | 10,4                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC150-05-10.500A1- | 10,5                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC150-05-10.600A1- | 10,6                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC150-05-10.700A1- | 10,7                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC150-05-10.716A1- | 10,716                     | 27/64"                 | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC150-05-10.800A1- | 10,8                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC150-05-10.900A1- | 10,9                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC150-05-11.000A1- | 11                         |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC150-05-11.100A1- | 11,1                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC150-05-11.113A1- | 11,113                     | 7/16"                  | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC150-05-11.200A1- | 11,2                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC150-05-11.300A1- | 11,3                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC150-05-11.400A1- | 11,4                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC150-05-11.500A1- | 11,5                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC150-05-11.509A1- | 11,509                     | 29/64"                 | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC150-05-11.600A1- | 11,6                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC150-05-11.700A1- | 11,7                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC150-05-11.800A1- | 11,8                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC150-05-11.900A1- | 11,9                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC150-05-11.906A1- | 11,906                     | 15/32"                 | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC150-05-12.000A1- | 12                         |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC150-05-12.100A1- | 12,1                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☺      |
| DC150-05-12.200A1- | 12,2                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☺      |
| DC150-05-12.250A1- | 12,25                      |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☺      |
| DC150-05-12.300A1- | 12,3                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☺      |
| DC150-05-12.303A1- | 12,303                     | 31/64"                 | 60                   | 124                  | 77                   | 45                   | 14                         | ☺      |
| DC150-05-12.400A1- | 12,4                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☺      |
| DC150-05-12.500A1- | 12,5                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☺      |
| DC150-05-12.600A1- | 12,6                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☺      |

Пример заказа инструмента из сплава WJ30RE: DC150-05-03.000A1-WJ30RE

WALTER  
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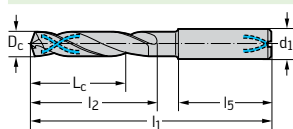
●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки

☺ ☹ ☹☹ / \* = Новый инструмент

Свёрла твердосплавные с внутренним подводом СОЖ

B 79

## Инструмент



DIN 6535 HA

| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30RE |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC150-05-12.700A1- | 12,700                     | 1/2"                   | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC150-05-12.800A1- | 12,8                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC150-05-12.900A1- | 12,9                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC150-05-13.000A1- | 13                         |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC150-05-13.100A1- | 13,1                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC150-05-13.200A1- | 13,2                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC150-05-13.300A1- | 13,3                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC150-05-13.400A1- | 13,4                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC150-05-13.494A1- | 13,494                     | 17/32"                 | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC150-05-13.500A1- | 13,5                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC150-05-13.600A1- | 13,6                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC150-05-13.700A1- | 13,7                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC150-05-13.800A1- | 13,8                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC150-05-13.900A1- | 13,9                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC150-05-14.000A1- | 14                         |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC150-05-14.100A1- | 14,1                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC150-05-14.200A1- | 14,2                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC150-05-14.288A1- | 14,288                     | 9/16"                  | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC150-05-14.300A1- | 14,3                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC150-05-14.500A1- | 14,5                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC150-05-14.600A1- | 14,6                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC150-05-14.700A1- | 14,7                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC150-05-14.750A1- | 14,75                      |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC150-05-14.800A1- | 14,8                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC150-05-15.000A1- | 15                         |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC150-05-15.100A1- | 15,1                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC150-05-15.200A1- | 15,2                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC150-05-15.300A1- | 15,3                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC150-05-15.500A1- | 15,5                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC150-05-15.600A1- | 15,6                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC150-05-15.700A1- | 15,7                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC150-05-15.800A1- | 15,8                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC150-05-15.875A1- | 15,875                     | 5/8"                   | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC150-05-16.000A1- | 16                         |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC150-05-16.100A1- | 16,1                       |                        | 71                   | 143                  | 93                   | 48                   | 18                         | ☹      |
| DC150-05-16.200A1- | 16,2                       |                        | 71                   | 143                  | 93                   | 48                   | 18                         | ☹      |
| DC150-05-16.300A1- | 16,3                       |                        | 71                   | 143                  | 93                   | 48                   | 18                         | ☹      |
| DC150-05-16.500A1- | 16,5                       |                        | 71                   | 143                  | 93                   | 48                   | 18                         | ☹      |
| DC150-05-16.700A1- | 16,7                       |                        | 71                   | 143                  | 93                   | 48                   | 18                         | ☹      |
| DC150-05-16.750A1- | 16,75                      |                        | 71                   | 143                  | 93                   | 48                   | 18                         | ☹      |
| DC150-05-17.000A1- | 17                         |                        | 71                   | 143                  | 93                   | 48                   | 18                         | ☹      |
| DC150-05-17.100A1- | 17,1                       |                        | 71                   | 143                  | 93                   | 48                   | 18                         | ☹      |
| DC150-05-17.200A1- | 17,2                       |                        | 71                   | 143                  | 93                   | 48                   | 18                         | ☹      |
| DC150-05-17.300A1- | 17,3                       |                        | 71                   | 143                  | 93                   | 48                   | 18                         | ☹      |
| DC150-05-17.500A1- | 17,5                       |                        | 71                   | 143                  | 93                   | 48                   | 18                         | ☹      |
| DC150-05-17.600A1- | 17,6                       |                        | 71                   | 143                  | 93                   | 48                   | 18                         | ☹      |

Пример заказа инструмента из сплава WJ30RE: DC150-05-03.000A1-WJ30RE

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 ●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☹ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

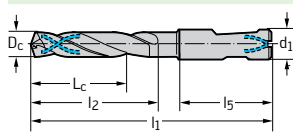


| Инструмент                                  |                    | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30RE |
|---|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| <p>DIN 6535 HA</p>                          | DC150-05-17.700A1- | 17,7                       |                        | 71                   | 143                  | 93                   | 48                   | 18                         | ☺      |
|   | DC150-05-17.800A1- | 17,8                       |                        | 71                   | 143                  | 93                   | 48                   | 18                         | ☺      |
|   | DC150-05-17.900A1- | 17,9                       |                        | 71                   | 143                  | 93                   | 48                   | 18                         | ☺      |
|   | DC150-05-18.000A1- | 18                         |                        | 71                   | 143                  | 93                   | 48                   | 18                         | ☺      |
|   | DC150-05-18.500A1- | 18,5                       |                        | 77                   | 153                  | 101                  | 50                   | 20                         | ☺      |
|   | DC150-05-18.900A1- | 18,9                       |                        | 77                   | 153                  | 101                  | 50                   | 20                         | ☺      |
|   | DC150-05-19.000A1- | 19                         |                        | 77                   | 153                  | 101                  | 50                   | 20                         | ☺      |
|   | DC150-05-19.050A1- | 19,050                     | 3/4"                   | 77                   | 153                  | 101                  | 50                   | 20                         | ☺      |
|   | DC150-05-19.300A1- | 19,3                       |                        | 77                   | 153                  | 101                  | 50                   | 20                         | ☺      |
|   | DC150-05-19.500A1- | 19,5                       |                        | 77                   | 153                  | 101                  | 50                   | 20                         | ☺      |
| <p>DIN 6535 HE, turned 180° DIN 6535 HB</p> | DC150-05-03.000D1- | 3                          |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|   | DC150-05-03.100D1- | 3,1                        |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|   | DC150-05-03.200D1- | 3,2                        |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|   | DC150-05-03.300D1- | 3,3                        |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|   | DC150-05-03.400D1- | 3,4                        |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|   | DC150-05-03.500D1- | 3,5                        |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|   | DC150-05-03.600D1- | 3,6                        |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|   | DC150-05-03.700D1- | 3,7                        |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|   | DC150-05-03.800D1- | 3,8                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
|   | DC150-05-03.900D1- | 3,9                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
|   | DC150-05-04.000D1- | 4                          |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
|   | DC150-05-04.100D1- | 4,1                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
|   | DC150-05-04.200D1- | 4,2                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
|   | DC150-05-04.300D1- | 4,3                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
|   | DC150-05-04.400D1- | 4,4                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
|   | DC150-05-04.500D1- | 4,5                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
|   | DC150-05-04.600D1- | 4,6                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
|   | DC150-05-04.650D1- | 4,65                       |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
|   | DC150-05-04.700D1- | 4,7                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
|   | DC150-05-04.800D1- | 4,8                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
|   | DC150-05-04.900D1- | 4,9                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
|   | DC150-05-05.000D1- | 5                          |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
|   | DC150-05-05.100D1- | 5,1                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
|   | DC150-05-05.200D1- | 5,2                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
|   | DC150-05-05.300D1- | 5,3                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
|   | DC150-05-05.400D1- | 5,4                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
|   | DC150-05-05.500D1- | 5,5                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
|   | DC150-05-05.550D1- | 5,55                       |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
|   | DC150-05-05.600D1- | 5,6                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
|   | DC150-05-05.700D1- | 5,7                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
|   | DC150-05-05.800D1- | 5,8                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
|   | DC150-05-05.900D1- | 5,9                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
|   | DC150-05-06.000D1- | 6                          |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |

Пример заказа инструмента из сплава WJ30RE: DC150-05-03.000A1-WJ30RE

●● Основная область применения    ● Возможная область применения  
 Оптимально подходит для → хороших = ☺    → нормальных = ☺    → неблагоприятных = ☹    условий обработки

## Инструмент



DIN 6535 HE, turned 180° DIN 6535 HB

| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30RE |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC150-05-06.100D1- | 6,1                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC150-05-06.200D1- | 6,2                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC150-05-06.300D1- | 6,2                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC150-05-06.400D1- | 6,4                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC150-05-06.500D1- | 6,5                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC150-05-06.600D1- | 6,6                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC150-05-06.700D1- | 6,7                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC150-05-06.800D1- | 6,8                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC150-05-06.900D1- | 6,9                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC150-05-07.000D1- | 7                          |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC150-05-07.100D1- | 7,1                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC150-05-07.200D1- | 7,2                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC150-05-07.300D1- | 7,3                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC150-05-07.400D1- | 7,4                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC150-05-07.500D1- | 7,5                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC150-05-07.600D1- | 7,6                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC150-05-07.700D1- | 7,7                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC150-05-07.800D1- | 7,8                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC150-05-07.900D1- | 7,9                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC150-05-08.000D1- | 8                          |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
| DC150-05-08.100D1- | 8,1                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC150-05-08.200D1- | 8,2                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC150-05-08.300D1- | 8,3                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC150-05-08.400D1- | 8,4                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC150-05-08.500D1- | 8,5                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC150-05-08.600D1- | 8,6                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC150-05-08.700D1- | 8,7                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC150-05-08.800D1- | 8,8                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC150-05-09.000D1- | 9                          |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC150-05-09.100D1- | 9,1                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC150-05-09.200D1- | 9,2                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC150-05-09.300D1- | 9,3                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC150-05-09.400D1- | 9,4                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC150-05-09.500D1- | 9,5                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC150-05-09.600D1- | 9,6                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC150-05-09.700D1- | 9,7                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC150-05-09.800D1- | 9,8                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC150-05-09.900D1- | 9,9                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC150-05-10.000D1- | 10                         |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC150-05-10.100D1- | 10,1                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC150-05-10.200D1- | 10,2                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC150-05-10.300D1- | 10,3                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC150-05-10.400D1- | 10,4                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC150-05-10.500D1- | 10,5                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC150-05-10.600D1- | 10,6                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC150-05-10.800D1- | 10,8                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |

Пример заказа инструмента из сплава WJ30RE: DC150-05-03.000A1-WJ30RE

**WALTER  
SELECT**

 ●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☺ → неблагоприятных = ☹ условий обработки

| Инструмент         |                                      | $D_c$<br>m7<br>mm  | $D_c$ Inch/Nr | $L_c$<br>mm | $l_1$<br>mm | $l_2$<br>mm | $l_5$<br>mm | $d_1$<br>h6<br>mm | WJ30RE |   |
|--------------------|--------------------------------------|--------------------|---------------|-------------|-------------|-------------|-------------|-------------------|--------|---|
|                    | Обозначение                          |                    |               |             |             |             |             |                   |        |   |
|                    | DC150-05-11.000D1-                   | 11                 |               | 56          | 118         | 71          | 45          | 12                | ☺      |   |
|                    | DC150-05-11.100D1-                   | 11,1               |               | 56          | 118         | 71          | 45          | 12                | ☺      |   |
|                    | DC150-05-11.200D1-                   | 11,2               |               | 56          | 118         | 71          | 45          | 12                | ☺      |   |
|                    | DC150-05-11.300D1-                   | 11,3               |               | 56          | 118         | 71          | 45          | 12                | ☺      |   |
|                    | DIN 6535 HE, turned 180° DIN 6535 HB | DC150-05-11.500D1- | 11,5          |             | 56          | 118         | 71          | 45                | 12     | ☺ |
|                    | DC150-05-11.600D1-                   | 11,6               |               | 56          | 118         | 71          | 45          | 12                | ☺      |   |
|                    | DC150-05-11.700D1-                   | 11,7               |               | 56          | 118         | 71          | 45          | 12                | ☺      |   |
|                    | DC150-05-11.800D1-                   | 11,8               |               | 56          | 118         | 71          | 45          | 12                | ☺      |   |
|                    | DC150-05-11.900D1-                   | 11,9               |               | 56          | 118         | 71          | 45          | 12                | ☺      |   |
|                    | DC150-05-12.000D1-                   | 12                 |               | 56          | 118         | 71          | 45          | 12                | ☺      |   |
|                    | DC150-05-12.100D1-                   | 12,1               |               | 60          | 124         | 77          | 45          | 14                | ☺      |   |
|                    | DC150-05-12.200D1-                   | 12,2               |               | 60          | 124         | 77          | 45          | 14                | ☺      |   |
|                    | DC150-05-12.300D1-                   | 12,3               |               | 60          | 124         | 77          | 45          | 14                | ☺      |   |
|                    | DC150-05-12.400D1-                   | 12,4               |               | 60          | 124         | 77          | 45          | 14                | ☺      |   |
|                    | DC150-05-12.500D1-                   | 12,5               |               | 60          | 124         | 77          | 45          | 14                | ☺      |   |
|                    | DC150-05-12.700D1-                   | 12,700             | 1/2"          | 60          | 124         | 77          | 45          | 14                | ☺      |   |
|                    | DC150-05-12.800D1-                   | 12,8               |               | 60          | 124         | 77          | 45          | 14                | ☺      |   |
|                    | DC150-05-13.000D1-                   | 13                 |               | 60          | 124         | 77          | 45          | 14                | ☺      |   |
|                    | DC150-05-13.100D1-                   | 13,1               |               | 60          | 124         | 77          | 45          | 14                | ☺      |   |
|                    | DC150-05-13.200D1-                   | 13,2               |               | 60          | 124         | 77          | 45          | 14                | ☺      |   |
|                    | DC150-05-13.500D1-                   | 13,5               |               | 60          | 124         | 77          | 45          | 14                | ☺      |   |
|                    | DC150-05-13.800D1-                   | 13,8               |               | 60          | 124         | 77          | 45          | 14                | ☺      |   |
|                    | DC150-05-14.000D1-                   | 14                 |               | 60          | 124         | 77          | 45          | 14                | ☺      |   |
|                    | DC150-05-14.100D1-                   | 14,1               |               | 63          | 133         | 83          | 48          | 16                | ☺      |   |
|                    | DC150-05-14.200D1-                   | 14,2               |               | 63          | 133         | 83          | 48          | 16                | ☺      |   |
|                    | DC150-05-14.300D1-                   | 14,3               |               | 63          | 133         | 83          | 48          | 16                | ☺      |   |
|                    | DC150-05-14.500D1-                   | 14,5               |               | 63          | 133         | 83          | 48          | 16                | ☺      |   |
|                    | DC150-05-14.600D1-                   | 14,6               |               | 63          | 133         | 83          | 48          | 16                | ☺      |   |
|                    | DC150-05-14.800D1-                   | 14,8               |               | 63          | 133         | 83          | 48          | 16                | ☺      |   |
|                    | DC150-05-15.000D1-                   | 15                 |               | 63          | 133         | 83          | 48          | 16                | ☺      |   |
|                    | DC150-05-15.100D1-                   | 15,1               |               | 63          | 133         | 83          | 48          | 16                | ☺      |   |
|                    | DC150-05-15.200D1-                   | 15,2               |               | 63          | 133         | 83          | 48          | 16                | ☺      |   |
|                    | DC150-05-15.300D1-                   | 15,3               |               | 63          | 133         | 83          | 48          | 16                | ☺      |   |
| DC150-05-15.500D1- | 15,5                                 |                    | 63            | 133         | 83          | 48          | 16          | ☺                 |        |   |
| DC150-05-15.600D1- | 15,6                                 |                    | 63            | 133         | 83          | 48          | 16          | ☺                 |        |   |
| DC150-05-15.700D1- | 15,7                                 |                    | 63            | 133         | 83          | 48          | 16          | ☺                 |        |   |
| DC150-05-15.800D1- | 15,8                                 |                    | 63            | 133         | 83          | 48          | 16          | ☺                 |        |   |
| DC150-05-16.000D1- | 16                                   |                    | 63            | 133         | 83          | 48          | 16          | ☺                 |        |   |
| DC150-05-16.500D1- | 16,5                                 |                    | 71            | 143         | 93          | 48          | 18          | ☺                 |        |   |
| DC150-05-16.600D1- | 16,6                                 |                    | 71            | 143         | 93          | 48          | 18          | ☺                 |        |   |
| DC150-05-17.000D1- | 17                                   |                    | 71            | 143         | 93          | 48          | 18          | ☺                 |        |   |
| DC150-05-17.200D1- | 17,2                                 |                    | 71            | 143         | 93          | 48          | 18          | ☺                 |        |   |
| DC150-05-17.300D1- | 17,3                                 |                    | 71            | 143         | 93          | 48          | 18          | ☺                 |        |   |
| DC150-05-17.500D1- | 17,5                                 |                    | 71            | 143         | 93          | 48          | 18          | ☺                 |        |   |
| DC150-05-17.700D1- | 17,7                                 |                    | 71            | 143         | 93          | 48          | 18          | ☺                 |        |   |
| DC150-05-17.800D1- | 17,8                                 |                    | 71            | 143         | 93          | 48          | 18          | ☺                 |        |   |

Пример заказа инструмента из сплава WJ30RE: DC150-05-03.000A1-WJ30RE

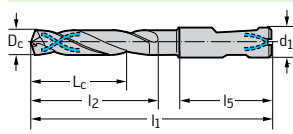
**WALTER  
SELECT**

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

☺ ☹ ☹ / \* = Новый инструмент

Свёрла твердосплавные с внутренним подводом СОЖ

В 83

**Инструмент**


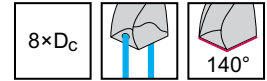
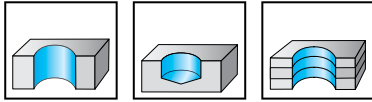
DIN 6535 HE, turned 180° DIN 6535 HB

| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30RE |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC150-05-18.000D1- | 18                         |                        | 71                   | 143                  | 93                   | 48                   | 18                         | ☺☺     |
| DC150-05-18.100D1- | 18,1                       |                        | 77                   | 153                  | 101                  | 50                   | 20                         | ☺☺     |
| DC150-05-18.500D1- | 18,5                       |                        | 77                   | 153                  | 101                  | 50                   | 20                         | ☺☺     |
| DC150-05-18.800D1- | 18,8                       |                        | 77                   | 153                  | 101                  | 50                   | 20                         | ☺☺     |
| DC150-05-19.000D1- | 19                         |                        | 77                   | 153                  | 101                  | 50                   | 20                         | ☺☺     |
| DC150-05-19.500D1- | 19,5                       |                        | 77                   | 153                  | 101                  | 50                   | 20                         | ☺☺     |
| DC150-05-19.700D1- | 19,7                       |                        | 77                   | 153                  | 101                  | 50                   | 20                         | ☺☺     |
| DC150-05-20.000D1- | 20                         |                        | 77                   | 153                  | 101                  | 50                   | 20                         | ☺☺     |

Пример заказа инструмента из сплава WJ30RE: DC150-05-03.000A1-WJ30RE

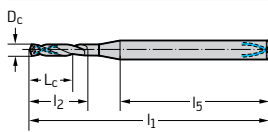
B1

# Свёрла твердосплавные, малоразмерные, с внутренним подводом СОЖ DB133 Supreme



|        |    |    |    |    |    |   |   |
|--------|----|----|----|----|----|---|---|
|        | P  | M  | K  | N  | S  | H | O |
| WJ30ER | ●● | ●● | ●● | ●● | ●● | ● | ● |

## Инструмент



DIN 6535 HA

| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30ER |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DB133-08-00.700A1- | 0,7                        |                        | 6,9                  | 50                   | 8                    | 35                   | 3                          | ☺      |
| DB133-08-00.750A1- | 0,75                       |                        | 7,8                  | 50                   | 9                    | 34                   | 3                          | ☺      |
| DB133-08-00.794A1- | 0,794                      | 1/32"                  | 7,8                  | 50                   | 9                    | 34                   | 3                          | ☺      |
| DB133-08-00.800A1- | 0,8                        |                        | 7,8                  | 50                   | 9                    | 34                   | 3                          | ☺      |
| DB133-08-00.850A1- | 0,85                       |                        | 8,6                  | 53                   | 10                   | 36                   | 3                          | ☺      |
| DB133-08-00.900A1- | 0,9                        |                        | 8,6                  | 53                   | 10                   | 36                   | 3                          | ☺      |
| DB133-08-00.950A1- | 0,95                       |                        | 10,5                 | 53                   | 12                   | 34                   | 3                          | ☺      |
| DB133-08-01.000A1- | 1                          |                        | 10,5                 | 53                   | 12                   | 34                   | 3                          | ☺      |
| DB133-08-01.050A1- | 1,05                       |                        | 11                   | 54                   | 13                   | 35                   | 3                          | ☺      |
| DB133-08-01.100A1- | 1,1                        |                        | 11                   | 54                   | 13                   | 35                   | 3                          | ☺      |
| DB133-08-01.150A1- | 1,15                       |                        | 12                   | 54                   | 14                   | 34                   | 3                          | ☺      |
| DB133-08-01.191A1- | 1,191                      | 3/64"                  | 12                   | 54                   | 14                   | 34                   | 3                          | ☺      |
| DB133-08-01.200A1- | 1,2                        |                        | 12                   | 54                   | 14                   | 34                   | 3                          | ☺      |
| DB133-08-01.250A1- | 1,25                       |                        | 12                   | 54                   | 14                   | 34                   | 3                          | ☺      |
| DB133-08-01.300A1- | 1,3                        |                        | 13                   | 57                   | 15                   | 36                   | 3                          | ☺      |
| DB133-08-01.350A1- | 1,35                       |                        | 13                   | 57                   | 16                   | 35                   | 3                          | ☺      |
| DB133-08-01.400A1- | 1,4                        |                        | 13                   | 57                   | 16                   | 35                   | 3                          | ☺      |
| DB133-08-01.450A1- | 1,45                       |                        | 14                   | 57                   | 17                   | 34                   | 3                          | ☺      |
| DB133-08-01.500A1- | 1,5                        |                        | 14                   | 57                   | 17                   | 34                   | 3                          | ☺      |
| DB133-08-01.550A1- | 1,55                       |                        | 15                   | 60                   | 18                   | 37                   | 3                          | ☺      |
| DB133-08-01.588A1- | 1,588                      | 1/16"                  | 15                   | 60                   | 18                   | 37                   | 3                          | ☺      |
| DB133-08-01.600A1- | 1,6                        |                        | 15                   | 60                   | 18                   | 37                   | 3                          | ☺      |
| DB133-08-01.650A1- | 1,65                       |                        | 17                   | 60                   | 20                   | 35                   | 3                          | ☺      |
| DB133-08-01.700A1- | 1,7                        |                        | 17                   | 60                   | 20                   | 35                   | 3                          | ☺      |
| DB133-08-01.750A1- | 1,75                       |                        | 18                   | 60                   | 21                   | 34                   | 3                          | ☺      |
| DB133-08-01.800A1- | 1,8                        |                        | 18                   | 60                   | 21                   | 34                   | 3                          | ☺      |
| DB133-08-01.820A1- | 1,82                       |                        | 19                   | 63                   | 22                   | 36                   | 3                          | ☺      |
| DB133-08-01.850A1- | 1,85                       |                        | 19                   | 63                   | 22                   | 36                   | 3                          | ☺      |
| DB133-08-01.900A1- | 1,9                        |                        | 19                   | 63                   | 22                   | 36                   | 3                          | ☺      |
| DB133-08-01.950A1- | 1,95                       |                        | 20                   | 63                   | 23                   | 35                   | 3                          | ☺      |
| DB133-08-01.984A1- | 1,984                      | 5/64"                  | 20                   | 63                   | 23                   | 35                   | 3                          | ☺      |
| DB133-08-02.000A1- | 2                          |                        | 20                   | 63                   | 23                   | 35                   | 3                          | ☺      |
| DB133-08-02.050A1- | 2,05                       |                        | 20                   | 63                   | 24                   | 35                   | 3                          | ☺      |
| DB133-08-02.100A1- | 2,1                        |                        | 20                   | 63                   | 24                   | 35                   | 3                          | ☺      |
| DB133-08-02.150A1- | 2,15                       |                        | 21                   | 63                   | 25                   | 34                   | 3                          | ☺      |
| DB133-08-02.200A1- | 2,2                        |                        | 21                   | 63                   | 25                   | 34                   | 3                          | ☺      |

Пример заказа инструмента из сплава WJ30ER: DB133-08-00.700A1-WJ30ER

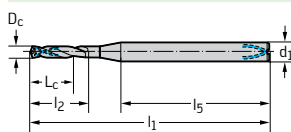
**WALTER SELECT**

●● Основная область применения    ● Возможная область применения

Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки

B1

## Инструмент



DIN 6535 HA

| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30ER |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DB133-08-02.250A1- | 2,25                       |                        | 22                   | 67                   | 26                   | 37                   | 3                          | ☺      |
| DB133-08-02.300A1- | 2,3                        |                        | 22                   | 67                   | 26                   | 37                   | 3                          | ☺      |
| DB133-08-02.350A1- | 2,35                       |                        | 24                   | 67                   | 28                   | 35                   | 3                          | ☺      |
| DB133-08-02.381A1- | 2,381                      | 3/32"                  | 24                   | 67                   | 28                   | 35                   | 3                          | ☺      |
| DB133-08-02.400A1- | 2,4                        |                        | 24                   | 67                   | 28                   | 35                   | 3                          | ☺      |
| DB133-08-02.450A1- | 2,45                       |                        | 25                   | 67                   | 29                   | 34                   | 3                          | ☺      |
| DB133-08-02.500A1- | 2,5                        |                        | 25                   | 67                   | 29                   | 34                   | 3                          | ☺      |
| DB133-08-02.550A1- | 2,55                       |                        | 26                   | 71                   | 30                   | 37                   | 3                          | ☺      |
| DB133-08-02.600A1- | 2,6                        |                        | 26                   | 71                   | 30                   | 37                   | 3                          | ☺      |
| DB133-08-02.650A1- | 2,65                       |                        | 26                   | 71                   | 31                   | 37                   | 3                          | ☺      |
| DB133-08-02.700A1- | 2,7                        |                        | 26                   | 71                   | 31                   | 37                   | 3                          | ☺      |
| DB133-08-02.750A1- | 2,75                       |                        | 27                   | 71                   | 32                   | 36                   | 3                          | ☺      |
| DB133-08-02.778A1- | 2,778                      | 7/64"                  | 27                   | 71                   | 32                   | 36                   | 3                          | ☺      |
| DB133-08-02.800A1- | 2,8                        |                        | 27                   | 71                   | 32                   | 36                   | 3                          | ☺      |
| DB133-08-02.850A1- | 2,85                       |                        | 28                   | 71                   | 33                   | 35                   | 3                          | ☺      |
| DB133-08-02.900A1- | 2,9                        |                        | 28                   | 71                   | 33                   | 35                   | 3                          | ☺      |
| DB133-08-02.950A1- | 2,95                       |                        | 29                   | 71                   | 34                   | 34                   | 3                          | ☺      |

Пример заказа инструмента из сплава WJ30ER: DB133-08-00.700A1-WJ30ER

# Спиральное сверло из твердого сплава с 3 фрезами

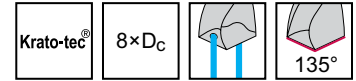
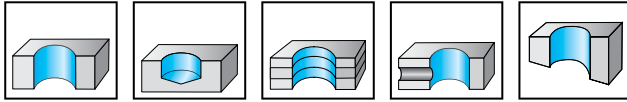
## DC183 Supreme

### X-treme Evo 3

Powered by Krato-tec®



– с инновационным многослойным покрытием Krato-tec®



|        |    |   |     |     |   |   |   |
|--------|----|---|-----|-----|---|---|---|
| WJ30EY | P  | M | K   | N   | S | H | O |
|        | ●● | ● | ●●● | ●●● | ● |   |   |

B1

| Инструмент         | Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30EY |
|--------------------|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| <p>DIN 6535 HA</p> | DC183-08-03.000A1- | 3                          |                        | 28                   | 74                   | 34                   | 36                   | 6                          | ☺      |
|                    | DC183-08-03.300A1- | 3,3                        |                        | 28                   | 74                   | 34                   | 36                   | 6                          | ☺      |
|                    | DC183-08-03.500A1- | 3,5                        |                        | 28                   | 74                   | 34                   | 36                   | 6                          | ☺      |
|                    | DC183-08-04.000A1- | 4                          |                        | 37                   | 85                   | 45                   | 36                   | 6                          | ☺      |
|                    | DC183-08-04.200A1- | 4,2                        |                        | 37                   | 85                   | 45                   | 36                   | 6                          | ☺      |
|                    | DC183-08-04.500A1- | 4,5                        |                        | 37                   | 85                   | 45                   | 36                   | 6                          | ☺      |
|                    | DC183-08-04.763A1- | 4,763                      | 3/16"                  | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
|                    | DC183-08-05.000A1- | 5                          |                        | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
|                    | DC183-08-05.100A1- | 5,1                        |                        | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
|                    | DC183-08-05.500A1- | 5,5                        |                        | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
|                    | DC183-08-05.800A1- | 5,8                        |                        | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
|                    | DC183-08-06.000A1- | 6                          |                        | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
|                    | DC183-08-06.350A1- | 6,350                      | 1/4"                   | 55                   | 106                  | 66                   | 36                   | 8                          | ☺      |
|                    | DC183-08-06.500A1- | 6,5                        |                        | 55                   | 106                  | 66                   | 36                   | 8                          | ☺      |
|                    | DC183-08-06.800A1- | 6,8                        |                        | 55                   | 106                  | 66                   | 36                   | 8                          | ☺      |
|                    | DC183-08-07.000A1- | 7                          |                        | 55                   | 106                  | 66                   | 36                   | 8                          | ☺      |
| DC183-08-07.800A1- | 7,8                |                            | 64                     | 116                  | 76                   | 36                   | 8                    | ☺                          |        |
| DC183-08-08.000A1- | 8                  |                            | 64                     | 116                  | 76                   | 36                   | 8                    | ☺                          |        |
| DC183-08-08.500A1- | 8,5                |                            | 80                     | 139                  | 95                   | 40                   | 10                   | ☺                          |        |
| DC183-08-09.000A1- | 9                  |                            | 80                     | 139                  | 95                   | 40                   | 10                   | ☺                          |        |
| DC183-08-09.800A1- | 9,8                |                            | 80                     | 139                  | 95                   | 40                   | 10                   | ☺                          |        |
| DC183-08-10.000A1- | 10                 |                            | 80                     | 139                  | 95                   | 40                   | 10                   | ☺                          |        |
| DC183-08-10.500A1- | 10,5               |                            | 96                     | 163                  | 114                  | 45                   | 12                   | ☺                          |        |
| DC183-08-11.000A1- | 11                 |                            | 96                     | 163                  | 114                  | 45                   | 12                   | ☺                          |        |
| DC183-08-11.113A1- | 11,113             | 7/16"                      | 96                     | 163                  | 114                  | 45                   | 12                   | ☺                          |        |
| DC183-08-12.000A1- | 12                 |                            | 96                     | 163                  | 114                  | 45                   | 12                   | ☺                          |        |
| DC183-08-12.700A1- | 12,700             | 1/2"                       | 119                    | 182                  | 133                  | 45                   | 14                   | ☺                          |        |
| DC183-08-13.000A1- | 13                 |                            | 119                    | 182                  | 133                  | 45                   | 14                   | ☺                          |        |
| DC183-08-13.500A1- | 13,5               |                            | 119                    | 182                  | 133                  | 45                   | 14                   | ☺                          |        |
| DC183-08-14.000A1- | 14                 |                            | 119                    | 182                  | 133                  | 45                   | 14                   | ☺                          |        |
| DC183-08-15.000A1- | 15                 |                            | 136                    | 204                  | 152                  | 48                   | 16                   | ☺                          |        |
| DC183-08-16.000A1- | 16                 |                            | 136                    | 204                  | 152                  | 48                   | 16                   | ☺                          |        |

Пример заказа инструмента из сплава WJ30EY: DC183-08-03.000A1-WJ30EY

WALTER  
SELECT

●● Основная область применения ● Возможная область применения  
Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

# Свёрла твердосплавные, с внутренним подводом СОЖ

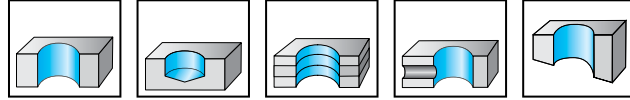
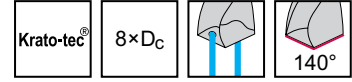
## DC180 Supreme

### X-treme Evo Plus

Powered by Krato-tec®

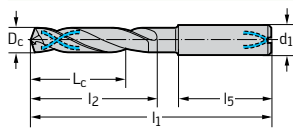


– с инновационным многослойным покрытием Krato-tec®



B1

### Инструмент



DIN 6535 HA

| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30EY |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC180-08-03.000A1- | 3                          |                        | 28                   | 74                   | 34                   | 36                   | 6                          | ☺      |
| DC180-08-03.100A1- | 3,1                        |                        | 28                   | 74                   | 34                   | 36                   | 6                          | ☺      |
| DC180-08-03.175A1- | 3,175                      | 1/8"                   | 28                   | 74                   | 34                   | 36                   | 6                          | ☺      |
| DC180-08-03.200A1- | 3,2                        |                        | 28                   | 74                   | 34                   | 36                   | 6                          | ☺      |
| DC180-08-03.300A1- | 3,3                        |                        | 28                   | 74                   | 34                   | 36                   | 6                          | ☺      |
| DC180-08-03.400A1- | 3,4                        |                        | 28                   | 74                   | 34                   | 36                   | 6                          | ☺      |
| DC180-08-03.500A1- | 3,5                        |                        | 28                   | 74                   | 34                   | 36                   | 6                          | ☺      |
| DC180-08-03.572A1- | 3,572                      | 9/64"                  | 28                   | 74                   | 34                   | 36                   | 6                          | ☺      |
| DC180-08-03.600A1- | 3,6                        |                        | 28                   | 74                   | 34                   | 36                   | 6                          | ☺      |
| DC180-08-03.700A1- | 3,7                        |                        | 28                   | 74                   | 34                   | 36                   | 6                          | ☺      |
| DC180-08-03.800A1- | 3,8                        |                        | 37                   | 85                   | 45                   | 36                   | 6                          | ☺      |
| DC180-08-03.900A1- | 3,9                        |                        | 37                   | 85                   | 45                   | 36                   | 6                          | ☺      |
| DC180-08-03.969A1- | 3,969                      | 5/32"                  | 37                   | 85                   | 45                   | 36                   | 6                          | ☺      |
| DC180-08-04.000A1- | 4                          |                        | 37                   | 85                   | 45                   | 36                   | 6                          | ☺      |
| DC180-08-04.100A1- | 4,1                        |                        | 37                   | 85                   | 45                   | 36                   | 6                          | ☺      |
| DC180-08-04.200A1- | 4,2                        |                        | 37                   | 85                   | 45                   | 36                   | 6                          | ☺      |
| DC180-08-04.300A1- | 4,3                        |                        | 37                   | 85                   | 45                   | 36                   | 6                          | ☺      |
| DC180-08-04.366A1- | 4,366                      | 11/64"                 | 37                   | 85                   | 45                   | 36                   | 6                          | ☺      |
| DC180-08-04.400A1- | 4,4                        |                        | 37                   | 85                   | 45                   | 36                   | 6                          | ☺      |
| DC180-08-04.500A1- | 4,5                        |                        | 37                   | 85                   | 45                   | 36                   | 6                          | ☺      |
| DC180-08-04.600A1- | 4,6                        |                        | 37                   | 85                   | 45                   | 36                   | 6                          | ☺      |
| DC180-08-04.700A1- | 4,7                        |                        | 37                   | 85                   | 45                   | 36                   | 6                          | ☺      |
| DC180-08-04.763A1- | 4,763                      | 3/16"                  | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
| DC180-08-04.800A1- | 4,8                        |                        | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
| DC180-08-04.900A1- | 4,9                        |                        | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
| DC180-08-05.000A1- | 5                          |                        | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
| DC180-08-05.100A1- | 5,1                        |                        | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
| DC180-08-05.159A1- | 5,159                      | 13/64"                 | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
| DC180-08-05.200A1- | 5,2                        |                        | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
| DC180-08-05.300A1- | 5,3                        |                        | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
| DC180-08-05.400A1- | 5,4                        |                        | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
| DC180-08-05.500A1- | 5,5                        |                        | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
| DC180-08-05.556A1- | 5,556                      | 7/32"                  | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
| DC180-08-05.600A1- | 5,6                        |                        | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
| DC180-08-05.700A1- | 5,7                        |                        | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
| DC180-08-05.800A1- | 5,8                        |                        | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |

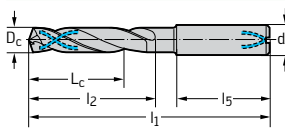
Пример заказа инструмента из сплава WJ30EY: DC180-08-03.000A1-WJ30EY

**WALTER  
SELECT**

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹☹ условий обработки



## Инструмент



DIN 6535 HA

| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30EY |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC180-08-05.900A1- | 5,9                        |                        | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
| DC180-08-05.953A1- | 5,953                      | 15/64"                 | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
| DC180-08-06.000A1- | 6                          |                        | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
| DC180-08-06.100A1- | 6,1                        |                        | 55                   | 106                  | 66                   | 36                   | 8                          | ☺      |
| DC180-08-06.200A1- | 6,2                        |                        | 55                   | 106                  | 66                   | 36                   | 8                          | ☺      |
| DC180-08-06.300A1- | 6,3                        |                        | 55                   | 106                  | 66                   | 36                   | 8                          | ☺      |
| DC180-08-06.350A1- | 6,350                      | 1/4"                   | 55                   | 106                  | 66                   | 36                   | 8                          | ☺      |
| DC180-08-06.400A1- | 6,4                        |                        | 55                   | 106                  | 66                   | 36                   | 8                          | ☺      |
| DC180-08-06.500A1- | 6,5                        |                        | 55                   | 106                  | 66                   | 36                   | 8                          | ☺      |
| DC180-08-06.600A1- | 6,6                        |                        | 55                   | 106                  | 66                   | 36                   | 8                          | ☺      |
| DC180-08-06.700A1- | 6,7                        |                        | 55                   | 106                  | 66                   | 36                   | 8                          | ☺      |
| DC180-08-06.747A1- | 6,747                      | 17/64"                 | 55                   | 106                  | 66                   | 36                   | 8                          | ☺      |
| DC180-08-06.800A1- | 6,8                        |                        | 55                   | 106                  | 66                   | 36                   | 8                          | ☺      |
| DC180-08-06.900A1- | 6,9                        |                        | 55                   | 106                  | 66                   | 36                   | 8                          | ☺      |
| DC180-08-07.000A1- | 7                          |                        | 55                   | 106                  | 66                   | 36                   | 8                          | ☺      |
| DC180-08-07.100A1- | 7,1                        |                        | 64                   | 116                  | 76                   | 36                   | 8                          | ☺      |
| DC180-08-07.144A1- | 7,144                      | 9/32"                  | 64                   | 116                  | 76                   | 36                   | 8                          | ☺      |
| DC180-08-07.200A1- | 7,2                        |                        | 64                   | 116                  | 76                   | 36                   | 8                          | ☺      |
| DC180-08-07.300A1- | 7,3                        |                        | 64                   | 116                  | 76                   | 36                   | 8                          | ☺      |
| DC180-08-07.400A1- | 7,4                        |                        | 64                   | 116                  | 76                   | 36                   | 8                          | ☺      |
| DC180-08-07.500A1- | 7,5                        |                        | 64                   | 116                  | 76                   | 36                   | 8                          | ☺      |
| DC180-08-07.541A1- | 7,541                      | 19/64"                 | 64                   | 116                  | 76                   | 36                   | 8                          | ☺      |
| DC180-08-07.600A1- | 7,6                        |                        | 64                   | 116                  | 76                   | 36                   | 8                          | ☺      |
| DC180-08-07.700A1- | 7,7                        |                        | 64                   | 116                  | 76                   | 36                   | 8                          | ☺      |
| DC180-08-07.800A1- | 7,8                        |                        | 64                   | 116                  | 76                   | 36                   | 8                          | ☺      |
| DC180-08-07.900A1- | 7,9                        |                        | 64                   | 116                  | 76                   | 36                   | 8                          | ☺      |
| DC180-08-07.938A1- | 7,938                      | 5/16"                  | 64                   | 116                  | 76                   | 36                   | 8                          | ☺      |
| DC180-08-08.000A1- | 8                          |                        | 64                   | 116                  | 76                   | 36                   | 8                          | ☺      |
| DC180-08-08.100A1- | 8,1                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC180-08-08.200A1- | 8,2                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC180-08-08.300A1- | 8,3                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC180-08-08.334A1- | 8,334                      | 21/64"                 | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC180-08-08.400A1- | 8,4                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC180-08-08.500A1- | 8,5                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC180-08-08.600A1- | 8,6                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC180-08-08.700A1- | 8,7                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC180-08-08.731A1- | 8,731                      | 11/32"                 | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC180-08-08.800A1- | 8,8                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC180-08-08.900A1- | 8,9                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC180-08-09.000A1- | 9                          |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC180-08-09.100A1- | 9,1                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC180-08-09.128A1- | 9,128                      | 23/64"                 | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC180-08-09.200A1- | 9,2                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC180-08-09.300A1- | 9,3                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC180-08-09.400A1- | 9,4                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC180-08-09.500A1- | 9,5                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |

Пример заказа инструмента из сплава WJ30EY: DC180-08-03.000A1-WJ30EY

WALTER  
SELECT

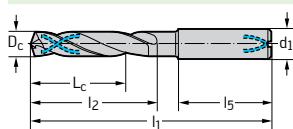
●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки

☺ ☹ ☹☹ / \* = Новый инструмент

Свёрла твердосплавные с внутренним подводом СОЖ

B 89

## Инструмент



DIN 6535 HA

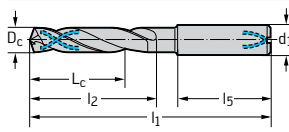
| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30EY |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC180-08-09.525A1- | 9,525                      | 3/8"                   | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC180-08-09.600A1- | 9,6                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC180-08-09.700A1- | 9,7                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC180-08-09.800A1- | 9,8                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC180-08-09.900A1- | 9,9                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC180-08-09.922A1- | 9,922                      | 25/64"                 | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC180-08-10.000A1- | 10                         |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC180-08-10.100A1- | 10,1                       |                        | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC180-08-10.200A1- | 10,2                       |                        | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC180-08-10.300A1- | 10,3                       |                        | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC180-08-10.319A1- | 10,319                     | 13/32"                 | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC180-08-10.400A1- | 10,4                       |                        | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC180-08-10.500A1- | 10,5                       |                        | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC180-08-10.600A1- | 10,6                       |                        | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC180-08-10.700A1- | 10,7                       |                        | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC180-08-10.716A1- | 10,716                     | 27/64"                 | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC180-08-10.800A1- | 10,8                       |                        | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC180-08-10.900A1- | 10,9                       |                        | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC180-08-11.000A1- | 11                         |                        | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC180-08-11.100A1- | 11,1                       |                        | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC180-08-11.113A1- | 11,113                     | 7/16"                  | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC180-08-11.200A1- | 11,2                       |                        | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC180-08-11.300A1- | 11,3                       |                        | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC180-08-11.400A1- | 11,4                       |                        | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC180-08-11.500A1- | 11,5                       |                        | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC180-08-11.509A1- | 11,509                     | 29/64"                 | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC180-08-11.600A1- | 11,6                       |                        | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC180-08-11.700A1- | 11,7                       |                        | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC180-08-11.800A1- | 11,8                       |                        | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC180-08-11.900A1- | 11,9                       |                        | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC180-08-11.906A1- | 11,906                     | 15/32"                 | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC180-08-12.000A1- | 12                         |                        | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC180-08-12.303A1- | 12,303                     | 31/64"                 | 119                  | 182                  | 133                  | 45                   | 14                         | ☺      |
| DC180-08-12.500A1- | 12,5                       |                        | 119                  | 182                  | 133                  | 45                   | 14                         | ☺      |
| DC180-08-12.700A1- | 12,700                     | 1/2"                   | 119                  | 182                  | 133                  | 45                   | 14                         | ☺      |
| DC180-08-13.000A1- | 13                         |                        | 119                  | 182                  | 133                  | 45                   | 14                         | ☺      |
| DC180-08-13.494A1- | 13,494                     | 17/32"                 | 119                  | 182                  | 133                  | 45                   | 14                         | ☺      |
| DC180-08-13.500A1- | 13,5                       |                        | 119                  | 182                  | 133                  | 45                   | 14                         | ☺      |
| DC180-08-14.000A1- | 14                         |                        | 119                  | 182                  | 133                  | 45                   | 14                         | ☺      |
| DC180-08-14.288A1- | 14,288                     | 9/16"                  | 136                  | 204                  | 152                  | 48                   | 16                         | ☺      |
| DC180-08-14.500A1- | 14,5                       |                        | 136                  | 204                  | 152                  | 48                   | 16                         | ☺      |
| DC180-08-15.000A1- | 15                         |                        | 136                  | 204                  | 152                  | 48                   | 16                         | ☺      |
| DC180-08-15.500A1- | 15,5                       |                        | 136                  | 204                  | 152                  | 48                   | 16                         | ☺      |
| DC180-08-15.875A1- | 15,875                     | 5/8"                   | 136                  | 204                  | 152                  | 48                   | 16                         | ☺      |
| DC180-08-16.000A1- | 16                         |                        | 136                  | 204                  | 152                  | 48                   | 16                         | ☺      |
| DC180-08-16.500A1- | 16,5                       |                        | 153                  | 223                  | 171                  | 48                   | 18                         | ☺      |

Пример заказа инструмента из сплава WJ30EY: DC180-08-03.000A1-WJ30EY

 WALTER  
SELECT

 ●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☺ → неблагоприятных = ☹ условий обработки

**Инструмент**



DIN 6535 HA

| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub><br>Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30EY |
|--------------------|----------------------------|---------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC180-08-17.000A1- | 17                         |                           | 153                  | 223                  | 171                  | 48                   | 18                         | ☺      |
| DC180-08-17.500A1- | 17,5                       |                           | 153                  | 223                  | 171                  | 48                   | 18                         | ☺      |
| DC180-08-18.000A1- | 18                         |                           | 153                  | 223                  | 171                  | 48                   | 18                         | ☺      |
| DC180-08-18.500A1- | 18,5                       |                           | 170                  | 244                  | 190                  | 50                   | 20                         | ☺      |
| DC180-08-19.000A1- | 19                         |                           | 170                  | 244                  | 190                  | 50                   | 20                         | ☺      |
| DC180-08-19.050A1- | 19,050                     | 3/4"                      | 170                  | 244                  | 190                  | 50                   | 20                         | ☺      |
| DC180-08-19.500A1- | 19,5                       |                           | 170                  | 244                  | 190                  | 50                   | 20                         | ☺      |
| DC180-08-20.000A1- | 20                         |                           | 170                  | 244                  | 190                  | 50                   | 20                         | ☺      |

Пример заказа инструмента из сплава WJ30EY: DC180-08-03.000A1-WJ30EY

B1

**WALTER SELECT**      ●● Основная область применения      ● Возможная область применения

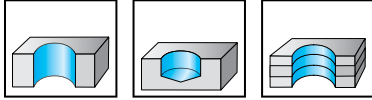
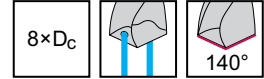
Оптимально подходит для → хороших = ☺      → нормальных = ☹      → неблагоприятных = ☹☹ условий обработки

# Твердосплавное спиральное сверло

## DC175 Supreme



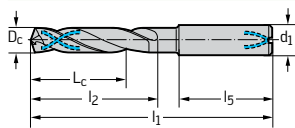
– Walter C направленной подачей СОЖ



|        |   |    |   |   |    |   |   |
|--------|---|----|---|---|----|---|---|
|        | P | M  | K | N | S  | H | O |
| WJ30RY | ● | ●● | ● | ● | ●● | ● | ● |

B1

### Инструмент



DIN 6535 HA

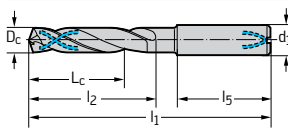
| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub><br>Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30RY |
|--------------------|----------------------------|---------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC175-08-03.000A1- | 3                          |                           | 28                   | 74                   | 34                   | 36                   | 6                          | ☹      |
| DC175-08-03.100A1- | 3,1                        |                           | 28                   | 74                   | 34                   | 36                   | 6                          | ☹      |
| DC175-08-03.175A1- | 3,175                      | 1/8"                      | 28                   | 74                   | 34                   | 36                   | 6                          | ☹      |
| DC175-08-03.200A1- | 3,2                        |                           | 28                   | 74                   | 34                   | 36                   | 6                          | ☹      |
| DC175-08-03.300A1- | 3,3                        |                           | 28                   | 74                   | 34                   | 36                   | 6                          | ☹      |
| DC175-08-03.400A1- | 3,4                        |                           | 28                   | 74                   | 34                   | 36                   | 6                          | ☹      |
| DC175-08-03.500A1- | 3,5                        |                           | 28                   | 74                   | 34                   | 36                   | 6                          | ☹      |
| DC175-08-03.700A1- | 3,7                        |                           | 28                   | 74                   | 34                   | 36                   | 6                          | ☹      |
| DC175-08-03.800A1- | 3,8                        |                           | 37                   | 85                   | 45                   | 36                   | 6                          | ☹      |
| DC175-08-03.900A1- | 3,9                        |                           | 37                   | 85                   | 45                   | 36                   | 6                          | ☹      |
| DC175-08-04.000A1- | 4                          |                           | 37                   | 85                   | 45                   | 36                   | 6                          | ☹      |
| DC175-08-04.100A1- | 4,1                        |                           | 37                   | 85                   | 45                   | 36                   | 6                          | ☹      |
| DC175-08-04.200A1- | 4,2                        |                           | 37                   | 85                   | 45                   | 36                   | 6                          | ☹      |
| DC175-08-04.300A1- | 4,3                        |                           | 37                   | 85                   | 45                   | 36                   | 6                          | ☹      |
| DC175-08-04.500A1- | 4,5                        |                           | 37                   | 85                   | 45                   | 36                   | 6                          | ☹      |
| DC175-08-04.700A1- | 4,7                        |                           | 37                   | 85                   | 45                   | 36                   | 6                          | ☹      |
| DC175-08-04.763A1- | 4,763                      | 3/16"                     | 48                   | 97                   | 57                   | 36                   | 6                          | ☹      |
| DC175-08-04.800A1- | 4,8                        |                           | 48                   | 97                   | 57                   | 36                   | 6                          | ☹      |
| DC175-08-05.000A1- | 5                          |                           | 48                   | 97                   | 57                   | 36                   | 6                          | ☹      |
| DC175-08-05.100A1- | 5,1                        |                           | 48                   | 97                   | 57                   | 36                   | 6                          | ☹      |
| DC175-08-05.200A1- | 5,2                        |                           | 48                   | 97                   | 57                   | 36                   | 6                          | ☹      |
| DC175-08-05.500A1- | 5,5                        |                           | 48                   | 97                   | 57                   | 36                   | 6                          | ☹      |
| DC175-08-05.600A1- | 5,6                        |                           | 48                   | 97                   | 57                   | 36                   | 6                          | ☹      |
| DC175-08-05.800A1- | 5,8                        |                           | 48                   | 97                   | 57                   | 36                   | 6                          | ☹      |
| DC175-08-06.000A1- | 6                          |                           | 48                   | 97                   | 57                   | 36                   | 6                          | ☹      |
| DC175-08-06.100A1- | 6,1                        |                           | 55                   | 106                  | 66                   | 36                   | 8                          | ☹      |
| DC175-08-06.200A1- | 6,2                        |                           | 55                   | 106                  | 66                   | 36                   | 8                          | ☹      |
| DC175-08-06.300A1- | 6,3                        |                           | 55                   | 106                  | 66                   | 36                   | 8                          | ☹      |
| DC175-08-06.350A1- | 6,350                      | 1/4"                      | 55                   | 106                  | 66                   | 36                   | 8                          | ☹      |
| DC175-08-06.400A1- | 6,4                        |                           | 55                   | 106                  | 66                   | 36                   | 8                          | ☹      |
| DC175-08-06.500A1- | 6,5                        |                           | 55                   | 106                  | 66                   | 36                   | 8                          | ☹      |
| DC175-08-06.600A1- | 6,6                        |                           | 55                   | 106                  | 66                   | 36                   | 8                          | ☹      |
| DC175-08-06.700A1- | 6,7                        |                           | 55                   | 106                  | 66                   | 36                   | 8                          | ☹      |
| DC175-08-06.800A1- | 6,8                        |                           | 55                   | 106                  | 66                   | 36                   | 8                          | ☹      |
| DC175-08-06.900A1- | 6,9                        |                           | 55                   | 106                  | 66                   | 36                   | 8                          | ☹      |
| DC175-08-07.000A1- | 7                          |                           | 55                   | 106                  | 66                   | 36                   | 8                          | ☹      |

Пример заказа инструмента из сплава WJ30RY: DC175-08-03.000A1-WJ30RY

**WALTER  
SELECT**

 ●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки

**Инструмент**



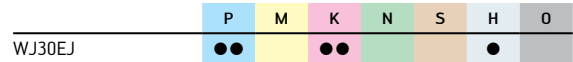
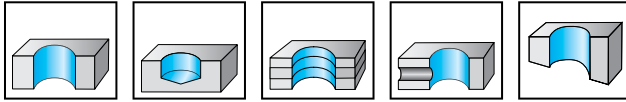
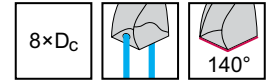
DIN 6535 HA

| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub><br>Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30RY |
|--------------------|----------------------------|---------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC175-08-07.144A1- | 7,144                      | 9/32"                     | 64                   | 116                  | 76                   | 36                   | 8                          | ☺      |
| DC175-08-07.500A1- | 7,5                        |                           | 64                   | 116                  | 76                   | 36                   | 8                          | ☺      |
| DC175-08-07.600A1- | 7,6                        |                           | 64                   | 116                  | 76                   | 36                   | 8                          | ☺      |
| DC175-08-07.700A1- | 7,7                        |                           | 64                   | 116                  | 76                   | 36                   | 8                          | ☺      |
| DC175-08-08.000A1- | 8                          |                           | 64                   | 116                  | 76                   | 36                   | 8                          | ☺      |
| DC175-08-08.100A1- | 8,1                        |                           | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC175-08-08.200A1- | 8,2                        |                           | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC175-08-08.400A1- | 8,4                        |                           | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC175-08-08.500A1- | 8,5                        |                           | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC175-08-08.600A1- | 8,6                        |                           | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC175-08-08.700A1- | 8,7                        |                           | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC175-08-08.800A1- | 8,8                        |                           | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC175-08-09.000A1- | 9                          |                           | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC175-08-09.200A1- | 9,2                        |                           | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC175-08-09.300A1- | 9,3                        |                           | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC175-08-09.500A1- | 9,5                        |                           | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC175-08-09.800A1- | 9,8                        |                           | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC175-08-10.000A1- | 10                         |                           | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC175-08-10.200A1- | 10,2                       |                           | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC175-08-10.500A1- | 10,5                       |                           | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC175-08-11.000A1- | 11                         |                           | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC175-08-11.500A1- | 11,5                       |                           | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC175-08-12.000A1- | 12                         |                           | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC175-08-12.500A1- | 12,5                       |                           | 119                  | 182                  | 133                  | 45                   | 14                         | ☺      |
| DC175-08-13.000A1- | 13                         |                           | 119                  | 182                  | 133                  | 45                   | 14                         | ☺      |
| DC175-08-14.000A1- | 14                         |                           | 119                  | 182                  | 133                  | 45                   | 14                         | ☺      |
| DC175-08-15.000A1- | 15                         |                           | 136                  | 204                  | 152                  | 48                   | 16                         | ☺      |
| DC175-08-16.000A1- | 16                         |                           | 136                  | 204                  | 152                  | 48                   | 16                         | ☺      |

Пример заказа инструмента из сплава WJ30RY: DC175-08-03.000A1-WJ30RY

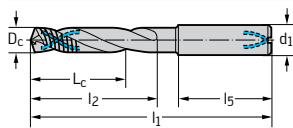
# Свёрла твердосплавные, с внутренним подводом СОЖ

## DC170 Supreme



B1

### Инструмент



DIN 6535 HA

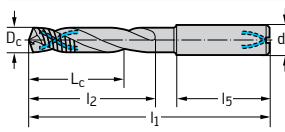
| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30EJ |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC170-08-03.000A1- | 3                          |                        | 28                   | 74                   | 34                   | 36                   | 6                          | ☺      |
| DC170-08-03.100A1- | 3,1                        |                        | 28                   | 74                   | 34                   | 36                   | 6                          | ☺      |
| DC170-08-03.175A1- | 3,175                      | 1/8"                   | 28                   | 74                   | 34                   | 36                   | 6                          | ☺      |
| DC170-08-03.200A1- | 3,2                        |                        | 28                   | 74                   | 34                   | 36                   | 6                          | ☺      |
| DC170-08-03.300A1- | 3,3                        |                        | 28                   | 74                   | 34                   | 36                   | 6                          | ☺      |
| DC170-08-03.400A1- | 3,4                        |                        | 28                   | 74                   | 34                   | 36                   | 6                          | ☺      |
| DC170-08-03.500A1- | 3,5                        |                        | 28                   | 74                   | 34                   | 36                   | 6                          | ☺      |
| DC170-08-03.572A1- | 3,572                      | 9/64"                  | 28                   | 74                   | 34                   | 36                   | 6                          | ☺      |
| DC170-08-03.600A1- | 3,6                        |                        | 28                   | 74                   | 34                   | 36                   | 6                          | ☺      |
| DC170-08-03.700A1- | 3,7                        |                        | 28                   | 74                   | 34                   | 36                   | 6                          | ☺      |
| DC170-08-03.800A1- | 3,8                        |                        | 37                   | 85                   | 45                   | 36                   | 6                          | ☺      |
| DC170-08-03.900A1- | 3,9                        |                        | 37                   | 85                   | 45                   | 36                   | 6                          | ☺      |
| DC170-08-03.969A1- | 3,969                      | 5/32"                  | 37                   | 85                   | 45                   | 36                   | 6                          | ☺      |
| DC170-08-04.000A1- | 4                          |                        | 37                   | 85                   | 45                   | 36                   | 6                          | ☺      |
| DC170-08-04.100A1- | 4,1                        |                        | 37                   | 85                   | 45                   | 36                   | 6                          | ☺      |
| DC170-08-04.200A1- | 4,2                        |                        | 37                   | 85                   | 45                   | 36                   | 6                          | ☺      |
| DC170-08-04.300A1- | 4,3                        |                        | 37                   | 85                   | 45                   | 36                   | 6                          | ☺      |
| DC170-08-04.366A1- | 4,366                      | 11/64"                 | 37                   | 85                   | 45                   | 36                   | 6                          | ☺      |
| DC170-08-04.400A1- | 4,4                        |                        | 37                   | 85                   | 45                   | 36                   | 6                          | ☺      |
| DC170-08-04.500A1- | 4,5                        |                        | 37                   | 85                   | 45                   | 36                   | 6                          | ☺      |
| DC170-08-04.600A1- | 4,6                        |                        | 37                   | 85                   | 45                   | 36                   | 6                          | ☺      |
| DC170-08-04.763A1- | 4,763                      | 3/16"                  | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
| DC170-08-04.800A1- | 4,8                        |                        | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
| DC170-08-04.900A1- | 4,9                        |                        | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
| DC170-08-05.000A1- | 5                          |                        | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
| DC170-08-05.100A1- | 5,1                        |                        | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
| DC170-08-05.159A1- | 5,159                      | 13/64"                 | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
| DC170-08-05.200A1- | 5,2                        |                        | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
| DC170-08-05.300A1- | 5,3                        |                        | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
| DC170-08-05.400A1- | 5,4                        |                        | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
| DC170-08-05.500A1- | 5,5                        |                        | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
| DC170-08-05.556A1- | 5,556                      | 7/32"                  | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
| DC170-08-05.600A1- | 5,6                        |                        | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
| DC170-08-05.700A1- | 5,7                        |                        | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
| DC170-08-05.800A1- | 5,8                        |                        | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
| DC170-08-05.900A1- | 5,9                        |                        | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |

Пример заказа инструмента из сплава WJ30EJ: DC170-08-03.000A1-WJ30EJ

**WALTER  
SELECT**

●● Основная область применения   
 ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки

## Инструмент



DIN 6535 HA

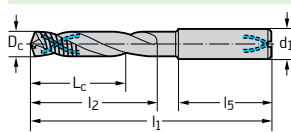
| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30EJ |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC170-08-05.953A1- | 5,953                      | 15/64"                 | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
| DC170-08-06.000A1- | 6                          |                        | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
| DC170-08-06.100A1- | 6,1                        |                        | 55                   | 106                  | 66                   | 36                   | 8                          | ☺      |
| DC170-08-06.200A1- | 6,2                        |                        | 55                   | 106                  | 66                   | 36                   | 8                          | ☺      |
| DC170-08-06.300A1- | 6,3                        |                        | 55                   | 106                  | 66                   | 36                   | 8                          | ☺      |
| DC170-08-06.350A1- | 6,350                      | 1/4"                   | 55                   | 106                  | 66                   | 36                   | 8                          | ☺      |
| DC170-08-06.400A1- | 6,4                        |                        | 55                   | 106                  | 66                   | 36                   | 8                          | ☺      |
| DC170-08-06.500A1- | 6,5                        |                        | 55                   | 106                  | 66                   | 36                   | 8                          | ☺      |
| DC170-08-06.600A1- | 6,6                        |                        | 55                   | 106                  | 66                   | 36                   | 8                          | ☺      |
| DC170-08-06.700A1- | 6,7                        |                        | 55                   | 106                  | 66                   | 36                   | 8                          | ☺      |
| DC170-08-06.747A1- | 6,747                      | 17/64"                 | 55                   | 106                  | 66                   | 36                   | 8                          | ☺      |
| DC170-08-06.800A1- | 6,8                        |                        | 55                   | 106                  | 66                   | 36                   | 8                          | ☺      |
| DC170-08-06.900A1- | 6,9                        |                        | 55                   | 106                  | 66                   | 36                   | 8                          | ☺      |
| DC170-08-07.000A1- | 7                          |                        | 55                   | 106                  | 66                   | 36                   | 8                          | ☺      |
| DC170-08-07.144A1- | 7,144                      | 9/32"                  | 64                   | 116                  | 76                   | 36                   | 8                          | ☺      |
| DC170-08-07.400A1- | 7,4                        |                        | 64                   | 116                  | 76                   | 36                   | 8                          | ☺      |
| DC170-08-07.500A1- | 7,5                        |                        | 64                   | 116                  | 76                   | 36                   | 8                          | ☺      |
| DC170-08-07.541A1- | 7,541                      | 19/64"                 | 64                   | 116                  | 76                   | 36                   | 8                          | ☺      |
| DC170-08-07.600A1- | 7,6                        |                        | 64                   | 116                  | 76                   | 36                   | 8                          | ☺      |
| DC170-08-07.700A1- | 7,7                        |                        | 64                   | 116                  | 76                   | 36                   | 8                          | ☺      |
| DC170-08-07.800A1- | 7,8                        |                        | 64                   | 116                  | 76                   | 36                   | 8                          | ☺      |
| DC170-08-07.900A1- | 7,9                        |                        | 64                   | 116                  | 76                   | 36                   | 8                          | ☺      |
| DC170-08-07.938A1- | 7,938                      | 5/16"                  | 64                   | 116                  | 76                   | 36                   | 8                          | ☺      |
| DC170-08-08.000A1- | 8                          |                        | 64                   | 116                  | 76                   | 36                   | 8                          | ☺      |
| DC170-08-08.100A1- | 8,1                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC170-08-08.200A1- | 8,2                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC170-08-08.300A1- | 8,3                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC170-08-08.334A1- | 8,334                      | 21/64"                 | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC170-08-08.400A1- | 8,4                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC170-08-08.500A1- | 8,5                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC170-08-08.600A1- | 8,6                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC170-08-08.700A1- | 8,7                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC170-08-08.731A1- | 8,731                      | 11/32"                 | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC170-08-08.800A1- | 8,8                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC170-08-09.000A1- | 9                          |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC170-08-09.100A1- | 9,1                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC170-08-09.128A1- | 9,128                      | 23/64"                 | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC170-08-09.200A1- | 9,2                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC170-08-09.300A1- | 9,3                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC170-08-09.400A1- | 9,4                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC170-08-09.500A1- | 9,5                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC170-08-09.525A1- | 9,525                      | 3/8"                   | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC170-08-09.600A1- | 9,6                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC170-08-09.700A1- | 9,7                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC170-08-09.800A1- | 9,8                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC170-08-09.900A1- | 9,9                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |

Пример заказа инструмента из сплава WJ30EJ: DC170-08-03.000A1-WJ30EJ

WALTER  
SELECT

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

## Инструмент



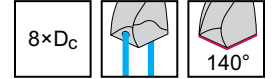
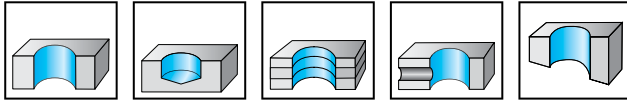
DIN 6535 HA

| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub><br>Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30EJ |
|--------------------|----------------------------|---------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC170-08-09.922A1- | 9,922                      | 25/64"                    | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC170-08-10.000A1- | 10                         |                           | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC170-08-10.100A1- | 10,1                       |                           | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC170-08-10.200A1- | 10,2                       |                           | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC170-08-10.300A1- | 10,3                       |                           | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC170-08-10.319A1- | 10,319                     | 13/32"                    | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC170-08-10.500A1- | 10,5                       |                           | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC170-08-10.716A1- | 10,716                     | 27/64"                    | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC170-08-10.800A1- | 10,8                       |                           | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC170-08-11.000A1- | 11                         |                           | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC170-08-11.100A1- | 11,1                       |                           | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC170-08-11.113A1- | 11,113                     | 7/16"                     | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC170-08-11.200A1- | 11,2                       |                           | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC170-08-11.300A1- | 11,3                       |                           | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC170-08-11.400A1- | 11,4                       |                           | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC170-08-11.500A1- | 11,5                       |                           | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC170-08-11.700A1- | 11,7                       |                           | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC170-08-11.800A1- | 11,8                       |                           | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC170-08-11.900A1- | 11,9                       |                           | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC170-08-12.000A1- | 12                         |                           | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC170-08-12.303A1- | 12,303                     | 31/64"                    | 119                  | 182                  | 133                  | 45                   | 14                         | ☺      |
| DC170-08-12.500A1- | 12,5                       |                           | 119                  | 182                  | 133                  | 45                   | 14                         | ☺      |
| DC170-08-12.700A1- | 12,700                     | 1/2"                      | 119                  | 182                  | 133                  | 45                   | 14                         | ☺      |
| DC170-08-13.000A1- | 13                         |                           | 119                  | 182                  | 133                  | 45                   | 14                         | ☺      |
| DC170-08-13.494A1- | 13,494                     | 17/32"                    | 119                  | 182                  | 133                  | 45                   | 14                         | ☺      |
| DC170-08-13.500A1- | 13,5                       |                           | 119                  | 182                  | 133                  | 45                   | 14                         | ☺      |
| DC170-08-14.000A1- | 14                         |                           | 119                  | 182                  | 133                  | 45                   | 14                         | ☺      |
| DC170-08-14.288A1- | 14,288                     | 9/16"                     | 136                  | 204                  | 152                  | 48                   | 16                         | ☺      |
| DC170-08-14.500A1- | 14,5                       |                           | 136                  | 204                  | 152                  | 48                   | 16                         | ☺      |
| DC170-08-15.000A1- | 15                         |                           | 136                  | 204                  | 152                  | 48                   | 16                         | ☺      |
| DC170-08-15.500A1- | 15,5                       |                           | 136                  | 204                  | 152                  | 48                   | 16                         | ☺      |
| DC170-08-15.875A1- | 15,875                     | 5/8"                      | 136                  | 204                  | 152                  | 48                   | 16                         | ☺      |
| DC170-08-16.000A1- | 16                         |                           | 136                  | 204                  | 152                  | 48                   | 16                         | ☺      |
| DC170-08-16.500A1- | 16,5                       |                           | 153                  | 223                  | 171                  | 48                   | 18                         | ☺      |
| DC170-08-17.000A1- | 17                         |                           | 153                  | 223                  | 171                  | 48                   | 18                         | ☺      |
| DC170-08-17.500A1- | 17,5                       |                           | 153                  | 223                  | 171                  | 48                   | 18                         | ☺      |
| DC170-08-18.000A1- | 18                         |                           | 153                  | 223                  | 171                  | 48                   | 18                         | ☺      |
| DC170-08-20.000A1- | 20                         |                           | 170                  | 244                  | 190                  | 50                   | 20                         | ☺      |

Пример заказа инструмента из сплава WJ30EJ: DC170-08-03.000A1-WJ30EJ

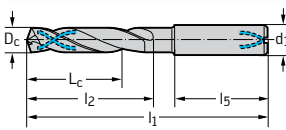


# Свёрла твердосплавные с внутренним подводом СОЖ DC160 Advance X-treme Evo



|        |    |   |     |     |     |   |   |
|--------|----|---|-----|-----|-----|---|---|
|        | P  | M | K   | N   | S   | H | O |
| WJ30ET | ●● | ● | ●●● | ●●● | ●●● | ● | ● |

## Инструмент



DIN 6535 HA

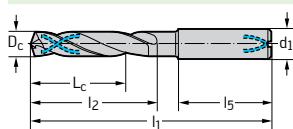
| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30ET |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC160-08-03.000A1- | 3                          |                        | 28                   | 74                   | 34                   | 36                   | 6                          | ☺      |
| DC160-08-03.100A1- | 3,1                        |                        | 28                   | 74                   | 34                   | 36                   | 6                          | ☺      |
| DC160-08-03.175A1- | 3,175                      | 1/8"                   | 28                   | 74                   | 34                   | 36                   | 6                          | ☺      |
| DC160-08-03.200A1- | 3,2                        |                        | 28                   | 74                   | 34                   | 36                   | 6                          | ☺      |
| DC160-08-03.300A1- | 3,3                        |                        | 28                   | 74                   | 34                   | 36                   | 6                          | ☺      |
| DC160-08-03.400A1- | 3,4                        |                        | 28                   | 74                   | 34                   | 36                   | 6                          | ☺      |
| DC160-08-03.500A1- | 3,5                        |                        | 28                   | 74                   | 34                   | 36                   | 6                          | ☺      |
| DC160-08-03.572A1- | 3,572                      | 9/64"                  | 28                   | 74                   | 34                   | 36                   | 6                          | ☺      |
| DC160-08-03.600A1- | 3,6                        |                        | 28                   | 74                   | 34                   | 36                   | 6                          | ☺      |
| DC160-08-03.700A1- | 3,7                        |                        | 28                   | 74                   | 34                   | 36                   | 6                          | ☺      |
| DC160-08-03.800A1- | 3,8                        |                        | 37                   | 85                   | 45                   | 36                   | 6                          | ☺      |
| DC160-08-03.900A1- | 3,9                        |                        | 37                   | 85                   | 45                   | 36                   | 6                          | ☺      |
| DC160-08-03.969A1- | 3,969                      | 5/32"                  | 37                   | 85                   | 45                   | 36                   | 6                          | ☺      |
| DC160-08-04.000A1- | 4                          |                        | 37                   | 85                   | 45                   | 36                   | 6                          | ☺      |
| DC160-08-04.100A1- | 4,1                        |                        | 37                   | 85                   | 45                   | 36                   | 6                          | ☺      |
| DC160-08-04.200A1- | 4,2                        |                        | 37                   | 85                   | 45                   | 36                   | 6                          | ☺      |
| DC160-08-04.300A1- | 4,3                        |                        | 37                   | 85                   | 45                   | 36                   | 6                          | ☺      |
| DC160-08-04.366A1- | 4,366                      | 11/64"                 | 37                   | 85                   | 45                   | 36                   | 6                          | ☺      |
| DC160-08-04.400A1- | 4,4                        |                        | 37                   | 85                   | 45                   | 36                   | 6                          | ☺      |
| DC160-08-04.500A1- | 4,5                        |                        | 37                   | 85                   | 45                   | 36                   | 6                          | ☺      |
| DC160-08-04.600A1- | 4,6                        |                        | 37                   | 85                   | 45                   | 36                   | 6                          | ☺      |
| DC160-08-04.700A1- | 4,7                        |                        | 37                   | 85                   | 45                   | 36                   | 6                          | ☺      |
| DC160-08-04.763A1- | 4,763                      | 3/16"                  | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
| DC160-08-04.800A1- | 4,8                        |                        | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
| DC160-08-04.900A1- | 4,9                        |                        | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
| DC160-08-05.000A1- | 5                          |                        | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
| DC160-08-05.100A1- | 5,1                        |                        | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
| DC160-08-05.159A1- | 5,159                      | 13/64"                 | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
| DC160-08-05.200A1- | 5,2                        |                        | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
| DC160-08-05.300A1- | 5,3                        |                        | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
| DC160-08-05.400A1- | 5,4                        |                        | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
| DC160-08-05.500A1- | 5,5                        |                        | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
| DC160-08-05.556A1- | 5,556                      | 7/32"                  | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
| DC160-08-05.600A1- | 5,6                        |                        | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
| DC160-08-05.700A1- | 5,7                        |                        | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
| DC160-08-05.800A1- | 5,8                        |                        | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |

Пример заказа инструмента из сплава WJ30ET: DC160-08-03.000A1-WJ30ET

**WALTER  
SELECT**

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

## Инструмент



DIN 6535 HA

| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30ET |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC160-08-05.900A1- | 5,9                        |                        | 48                   | 97                   | 57                   | 36                   | 6                          | ☹      |
| DC160-08-05.953A1- | 5,953                      | 15/64"                 | 48                   | 97                   | 57                   | 36                   | 6                          | ☹      |
| DC160-08-06.000A1- | 6                          |                        | 48                   | 97                   | 57                   | 36                   | 6                          | ☹      |
| DC160-08-06.100A1- | 6,1                        |                        | 55                   | 106                  | 66                   | 36                   | 8                          | ☹      |
| DC160-08-06.200A1- | 6,2                        |                        | 55                   | 106                  | 66                   | 36                   | 8                          | ☹      |
| DC160-08-06.300A1- | 6,3                        |                        | 55                   | 106                  | 66                   | 36                   | 8                          | ☹      |
| DC160-08-06.350A1- | 6,350                      | 1/4"                   | 55                   | 106                  | 66                   | 36                   | 8                          | ☹      |
| DC160-08-06.400A1- | 6,4                        |                        | 55                   | 106                  | 66                   | 36                   | 8                          | ☹      |
| DC160-08-06.500A1- | 6,5                        |                        | 55                   | 106                  | 66                   | 36                   | 8                          | ☹      |
| DC160-08-06.600A1- | 6,6                        |                        | 55                   | 106                  | 66                   | 36                   | 8                          | ☹      |
| DC160-08-06.700A1- | 6,7                        |                        | 55                   | 106                  | 66                   | 36                   | 8                          | ☹      |
| DC160-08-06.747A1- | 6,747                      | 17/64"                 | 55                   | 106                  | 66                   | 36                   | 8                          | ☹      |
| DC160-08-06.800A1- | 6,8                        |                        | 55                   | 106                  | 66                   | 36                   | 8                          | ☹      |
| DC160-08-06.900A1- | 6,9                        |                        | 55                   | 106                  | 66                   | 36                   | 8                          | ☹      |
| DC160-08-07.000A1- | 7                          |                        | 55                   | 106                  | 66                   | 36                   | 8                          | ☹      |
| DC160-08-07.100A1- | 7,1                        |                        | 64                   | 116                  | 76                   | 36                   | 8                          | ☹      |
| DC160-08-07.144A1- | 7,144                      | 9/32"                  | 64                   | 116                  | 76                   | 36                   | 8                          | ☹      |
| DC160-08-07.200A1- | 7,2                        |                        | 64                   | 116                  | 76                   | 36                   | 8                          | ☹      |
| DC160-08-07.300A1- | 7,3                        |                        | 64                   | 116                  | 76                   | 36                   | 8                          | ☹      |
| DC160-08-07.400A1- | 7,4                        |                        | 64                   | 116                  | 76                   | 36                   | 8                          | ☹      |
| DC160-08-07.500A1- | 7,5                        |                        | 64                   | 116                  | 76                   | 36                   | 8                          | ☹      |
| DC160-08-07.541A1- | 7,541                      | 19/64"                 | 64                   | 116                  | 76                   | 36                   | 8                          | ☹      |
| DC160-08-07.600A1- | 7,6                        |                        | 64                   | 116                  | 76                   | 36                   | 8                          | ☹      |
| DC160-08-07.700A1- | 7,7                        |                        | 64                   | 116                  | 76                   | 36                   | 8                          | ☹      |
| DC160-08-07.800A1- | 7,8                        |                        | 64                   | 116                  | 76                   | 36                   | 8                          | ☹      |
| DC160-08-07.900A1- | 7,9                        |                        | 64                   | 116                  | 76                   | 36                   | 8                          | ☹      |
| DC160-08-07.938A1- | 7,938                      | 5/16"                  | 64                   | 116                  | 76                   | 36                   | 8                          | ☹      |
| DC160-08-08.000A1- | 8                          |                        | 64                   | 116                  | 76                   | 36                   | 8                          | ☹      |
| DC160-08-08.100A1- | 8,1                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☹      |
| DC160-08-08.200A1- | 8,2                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☹      |
| DC160-08-08.300A1- | 8,3                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☹      |
| DC160-08-08.334A1- | 8,334                      | 21/64"                 | 80                   | 139                  | 95                   | 40                   | 10                         | ☹      |
| DC160-08-08.400A1- | 8,4                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☹      |
| DC160-08-08.500A1- | 8,5                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☹      |
| DC160-08-08.600A1- | 8,6                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☹      |
| DC160-08-08.700A1- | 8,7                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☹      |
| DC160-08-08.731A1- | 8,731                      | 11/32"                 | 80                   | 139                  | 95                   | 40                   | 10                         | ☹      |
| DC160-08-08.800A1- | 8,8                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☹      |
| DC160-08-08.900A1- | 8,9                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☹      |
| DC160-08-09.000A1- | 9                          |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☹      |
| DC160-08-09.100A1- | 9,1                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☹      |
| DC160-08-09.128A1- | 9,128                      | 23/64"                 | 80                   | 139                  | 95                   | 40                   | 10                         | ☹      |
| DC160-08-09.200A1- | 9,2                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☹      |
| DC160-08-09.300A1- | 9,3                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☹      |
| DC160-08-09.400A1- | 9,4                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☹      |
| DC160-08-09.500A1- | 9,5                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☹      |

Пример заказа инструмента из сплава WJ30ET: DC160-08-03.000A1-WJ30ET

**WALTER  
SELECT**

 ●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки

| Инструмент         |                    | $D_c$<br>m7<br>mm | $D_c$ Inch/Nr | $L_c$<br>mm | $l_1$<br>mm | $l_2$<br>mm | $l_5$<br>mm | $d_1$<br>h6<br>mm | WJ30ET |
|--------------------|--------------------|-------------------|---------------|-------------|-------------|-------------|-------------|-------------------|--------|
|                    | Обозначение        |                   |               |             |             |             |             |                   |        |
|                    | DC160-08-09.525A1- | 9,525             | 3/8"          | 80          | 139         | 95          | 40          | 10                | ☺      |
|                    | DC160-08-09.600A1- | 9,6               |               | 80          | 139         | 95          | 40          | 10                | ☺      |
|                    | DC160-08-09.700A1- | 9,7               |               | 80          | 139         | 95          | 40          | 10                | ☺      |
|                    | DC160-08-09.800A1- | 9,8               |               | 80          | 139         | 95          | 40          | 10                | ☺      |
|                    | DC160-08-09.900A1- | 9,9               |               | 80          | 139         | 95          | 40          | 10                | ☺      |
|                    | DC160-08-09.922A1- | 9,922             | 25/64"        | 80          | 139         | 95          | 40          | 10                | ☺      |
|                    | DC160-08-10.000A1- | 10                |               | 80          | 139         | 95          | 40          | 10                | ☺      |
|                    | DC160-08-10.100A1- | 10,1              |               | 96          | 163         | 114         | 45          | 12                | ☺      |
|                    | DC160-08-10.200A1- | 10,2              |               | 96          | 163         | 114         | 45          | 12                | ☺      |
|                    | DC160-08-10.300A1- | 10,3              |               | 96          | 163         | 114         | 45          | 12                | ☺      |
|                    | DC160-08-10.319A1- | 10,319            | 13/32"        | 96          | 163         | 114         | 45          | 12                | ☺      |
|                    | DC160-08-10.400A1- | 10,4              |               | 96          | 163         | 114         | 45          | 12                | ☺      |
|                    | DC160-08-10.500A1- | 10,5              |               | 96          | 163         | 114         | 45          | 12                | ☺      |
|                    | DC160-08-10.600A1- | 10,6              |               | 96          | 163         | 114         | 45          | 12                | ☺      |
|                    | DC160-08-10.700A1- | 10,7              |               | 96          | 163         | 114         | 45          | 12                | ☺      |
|                    | DC160-08-10.716A1- | 10,716            | 27/64"        | 96          | 163         | 114         | 45          | 12                | ☺      |
|                    | DC160-08-10.800A1- | 10,8              |               | 96          | 163         | 114         | 45          | 12                | ☺      |
|                    | DC160-08-10.900A1- | 10,9              |               | 96          | 163         | 114         | 45          | 12                | ☺      |
|                    | DC160-08-11.000A1- | 11                |               | 96          | 163         | 114         | 45          | 12                | ☺      |
|                    | DC160-08-11.100A1- | 11,1              |               | 96          | 163         | 114         | 45          | 12                | ☺      |
|                    | DC160-08-11.113A1- | 11,113            | 7/16"         | 96          | 163         | 114         | 45          | 12                | ☺      |
|                    | DC160-08-11.200A1- | 11,2              |               | 96          | 163         | 114         | 45          | 12                | ☺      |
|                    | DC160-08-11.300A1- | 11,3              |               | 96          | 163         | 114         | 45          | 12                | ☺      |
|                    | DC160-08-11.400A1- | 11,4              |               | 96          | 163         | 114         | 45          | 12                | ☺      |
|                    | DC160-08-11.500A1- | 11,5              |               | 96          | 163         | 114         | 45          | 12                | ☺      |
|                    | DC160-08-11.509A1- | 11,509            | 29/64"        | 96          | 163         | 114         | 45          | 12                | ☺      |
|                    | DC160-08-11.600A1- | 11,6              |               | 96          | 163         | 114         | 45          | 12                | ☺      |
|                    | DC160-08-11.700A1- | 11,7              |               | 96          | 163         | 114         | 45          | 12                | ☺      |
|                    | DC160-08-11.800A1- | 11,8              |               | 96          | 163         | 114         | 45          | 12                | ☺      |
|                    | DC160-08-11.900A1- | 11,9              |               | 96          | 163         | 114         | 45          | 12                | ☺      |
|                    | DC160-08-11.906A1- | 11,906            | 15/32"        | 96          | 163         | 114         | 45          | 12                | ☺      |
|                    | DC160-08-12.000A1- | 12                |               | 96          | 163         | 114         | 45          | 12                | ☺      |
|                    | DC160-08-12.303A1- | 12,303            | 31/64"        | 119         | 182         | 133         | 45          | 14                | ☺      |
| DC160-08-12.500A1- | 12,5               |                   | 119           | 182         | 133         | 45          | 14          | ☺                 |        |
| DC160-08-12.700A1- | 12,700             | 1/2"              | 119           | 182         | 133         | 45          | 14          | ☺                 |        |
| DC160-08-13.000A1- | 13                 |                   | 119           | 182         | 133         | 45          | 14          | ☺                 |        |
| DC160-08-13.494A1- | 13,494             | 17/32"            | 119           | 182         | 133         | 45          | 14          | ☺                 |        |
| DC160-08-13.500A1- | 13,5               |                   | 119           | 182         | 133         | 45          | 14          | ☺                 |        |
| DC160-08-14.000A1- | 14                 |                   | 119           | 182         | 133         | 45          | 14          | ☺                 |        |
| DC160-08-14.288A1- | 14,288             | 9/16"             | 136           | 204         | 152         | 48          | 16          | ☺                 |        |
| DC160-08-14.500A1- | 14,5               |                   | 136           | 204         | 152         | 48          | 16          | ☺                 |        |
| DC160-08-15.000A1- | 15                 |                   | 136           | 204         | 152         | 48          | 16          | ☺                 |        |
| DC160-08-15.500A1- | 15,5               |                   | 136           | 204         | 152         | 48          | 16          | ☺                 |        |
| DC160-08-15.875A1- | 15,875             | 5/8"              | 136           | 204         | 152         | 48          | 16          | ☺                 |        |
| DC160-08-16.000A1- | 16                 |                   | 136           | 204         | 152         | 48          | 16          | ☺                 |        |
| DC160-08-16.500A1- | 16,5               |                   | 153           | 223         | 171         | 48          | 18          | ☺                 |        |

Пример заказа инструмента из сплава WJ30ET: DC160-08-03.000A1-WJ30ET

**WALTER  
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●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

☺ ☹ ☹ / \* = Новый инструмент

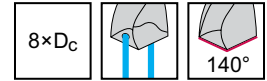
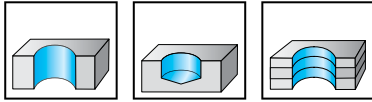
Свёрла твердосплавные с внутренним подводом СОЖ

B 99

| Инструмент         |                    | $D_c$<br>m7<br>mm | $D_c$<br>Inch/Nr | $L_c$<br>mm | $l_1$<br>mm | $l_2$<br>mm | $l_5$<br>mm | $d_1$<br>h6<br>mm | WJ30ET |
|--------------------|--------------------|-------------------|------------------|-------------|-------------|-------------|-------------|-------------------|--------|
| <p>DIN 6535 HA</p> | Обозначение        |                   |                  |             |             |             |             |                   |        |
|                    | DC160-08-17.000A1- | 17                |                  | 153         | 223         | 171         | 48          | 18                | ☺☺     |
|                    | DC160-08-17.500A1- | 17,5              |                  | 153         | 223         | 171         | 48          | 18                | ☺☺     |
|                    | DC160-08-18.000A1- | 18                |                  | 153         | 223         | 171         | 48          | 18                | ☺☺     |
|                    | DC160-08-18.500A1- | 18,5              |                  | 170         | 244         | 190         | 50          | 20                | ☺☺     |
|                    | DC160-08-19.000A1- | 19                |                  | 170         | 244         | 190         | 50          | 20                | ☺☺     |
|                    | DC160-08-19.050A1- | 19,050            | 3/4"             | 170         | 244         | 190         | 50          | 20                | ☺☺     |
|                    | DC160-08-19.500A1- | 19,5              |                  | 170         | 244         | 190         | 50          | 20                | ☺☺     |
|                    | DC160-08-20.000A1- | 20                |                  | 170         | 244         | 190         | 50          | 20                | ☺☺     |

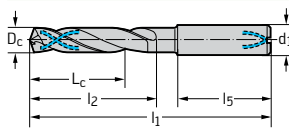
Пример заказа инструмента из сплава WJ30ET: DC160-08-03.000A1-WJ30ET

# Свёрла твердосплавные с внутренним подводом СОЖ DC150 Perform



|        |    |   |     |     |     |   |   |
|--------|----|---|-----|-----|-----|---|---|
|        | P  | M | K   | N   | S   | H | O |
| WJ30TA | ●● | ● | ●●● | ●●● | ●●● | ● | ● |

## Инструмент



DIN 6535 HA

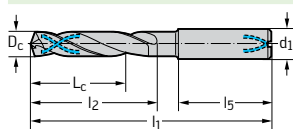
| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30TA |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC150-08-03.000A1- | 3                          |                        | 28                   | 74                   | 34                   | 36                   | 6                          | ☺      |
| DC150-08-03.100A1- | 3,1                        |                        | 28                   | 74                   | 34                   | 36                   | 6                          | ☺      |
| DC150-08-03.175A1- | 3,175                      | 1/8"                   | 28                   | 74                   | 34                   | 36                   | 6                          | ☺      |
| DC150-08-03.200A1- | 3,2                        |                        | 28                   | 74                   | 34                   | 36                   | 6                          | ☺      |
| DC150-08-03.300A1- | 3,3                        |                        | 28                   | 74                   | 34                   | 36                   | 6                          | ☺      |
| DC150-08-03.400A1- | 3,4                        |                        | 28                   | 74                   | 34                   | 36                   | 6                          | ☺      |
| DC150-08-03.500A1- | 3,5                        |                        | 28                   | 74                   | 34                   | 36                   | 6                          | ☺      |
| DC150-08-03.572A1- | 3,572                      | 9/64"                  | 28                   | 74                   | 34                   | 36                   | 6                          | ☺      |
| DC150-08-03.600A1- | 3,6                        |                        | 28                   | 74                   | 34                   | 36                   | 6                          | ☺      |
| DC150-08-03.700A1- | 3,7                        |                        | 28                   | 74                   | 34                   | 36                   | 6                          | ☺      |
| DC150-08-03.800A1- | 3,8                        |                        | 37                   | 85                   | 45                   | 36                   | 6                          | ☺      |
| DC150-08-03.900A1- | 3,9                        |                        | 37                   | 85                   | 45                   | 36                   | 6                          | ☺      |
| DC150-08-03.969A1- | 3,969                      | 5/32"                  | 37                   | 85                   | 45                   | 36                   | 6                          | ☺      |
| DC150-08-04.000A1- | 4                          |                        | 37                   | 85                   | 45                   | 36                   | 6                          | ☺      |
| DC150-08-04.100A1- | 4,1                        |                        | 37                   | 85                   | 45                   | 36                   | 6                          | ☺      |
| DC150-08-04.200A1- | 4,2                        |                        | 37                   | 85                   | 45                   | 36                   | 6                          | ☺      |
| DC150-08-04.300A1- | 4,3                        |                        | 37                   | 85                   | 45                   | 36                   | 6                          | ☺      |
| DC150-08-04.366A1- | 4,366                      | 11/64"                 | 37                   | 85                   | 45                   | 36                   | 6                          | ☺      |
| DC150-08-04.400A1- | 4,4                        |                        | 37                   | 85                   | 45                   | 36                   | 6                          | ☺      |
| DC150-08-04.500A1- | 4,5                        |                        | 37                   | 85                   | 45                   | 36                   | 6                          | ☺      |
| DC150-08-04.600A1- | 4,6                        |                        | 37                   | 85                   | 45                   | 36                   | 6                          | ☺      |
| DC150-08-04.700A1- | 4,7                        |                        | 37                   | 85                   | 45                   | 36                   | 6                          | ☺      |
| DC150-08-04.763A1- | 4,763                      | 3/16"                  | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
| DC150-08-04.800A1- | 4,8                        |                        | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
| DC150-08-04.900A1- | 4,9                        |                        | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
| DC150-08-05.000A1- | 5                          |                        | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
| DC150-08-05.100A1- | 5,1                        |                        | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
| DC150-08-05.159A1- | 5,159                      | 13/64"                 | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
| DC150-08-05.200A1- | 5,2                        |                        | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
| DC150-08-05.300A1- | 5,3                        |                        | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
| DC150-08-05.400A1- | 5,4                        |                        | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
| DC150-08-05.500A1- | 5,5                        |                        | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
| DC150-08-05.556A1- | 5,556                      | 7/32"                  | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
| DC150-08-05.600A1- | 5,6                        |                        | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
| DC150-08-05.700A1- | 5,7                        |                        | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |
| DC150-08-05.800A1- | 5,8                        |                        | 48                   | 97                   | 57                   | 36                   | 6                          | ☺      |

Пример заказа инструмента из сплава WJ30TA: DC150-08-03.000A1-WJ30TA

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 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

## Инструмент



DIN 6535 HA

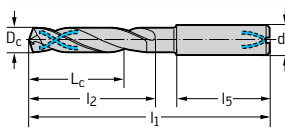
| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30TA |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC150-08-05.900A1- | 5,9                        |                        | 48                   | 97                   | 57                   | 36                   | 6                          | ☹      |
| DC150-08-05.953A1- | 5,953                      | 15/64"                 | 48                   | 97                   | 57                   | 36                   | 6                          | ☹      |
| DC150-08-06.000A1- | 6                          |                        | 48                   | 97                   | 57                   | 36                   | 6                          | ☹      |
| DC150-08-06.100A1- | 6,1                        |                        | 55                   | 106                  | 66                   | 36                   | 8                          | ☹      |
| DC150-08-06.200A1- | 6,2                        |                        | 55                   | 106                  | 66                   | 36                   | 8                          | ☹      |
| DC150-08-06.300A1- | 6,3                        |                        | 55                   | 106                  | 66                   | 36                   | 8                          | ☹      |
| DC150-08-06.350A1- | 6,350                      | 1/4"                   | 55                   | 106                  | 66                   | 36                   | 8                          | ☹      |
| DC150-08-06.400A1- | 6,4                        |                        | 55                   | 106                  | 66                   | 36                   | 8                          | ☹      |
| DC150-08-06.500A1- | 6,5                        |                        | 55                   | 106                  | 66                   | 36                   | 8                          | ☹      |
| DC150-08-06.600A1- | 6,6                        |                        | 55                   | 106                  | 66                   | 36                   | 8                          | ☹      |
| DC150-08-06.700A1- | 6,7                        |                        | 55                   | 106                  | 66                   | 36                   | 8                          | ☹      |
| DC150-08-06.747A1- | 6,747                      | 17/64"                 | 55                   | 106                  | 66                   | 36                   | 8                          | ☹      |
| DC150-08-06.800A1- | 6,8                        |                        | 55                   | 106                  | 66                   | 36                   | 8                          | ☹      |
| DC150-08-06.900A1- | 6,9                        |                        | 55                   | 106                  | 66                   | 36                   | 8                          | ☹      |
| DC150-08-07.000A1- | 7                          |                        | 55                   | 106                  | 66                   | 36                   | 8                          | ☹      |
| DC150-08-07.100A1- | 7,1                        |                        | 64                   | 116                  | 76                   | 36                   | 8                          | ☹      |
| DC150-08-07.144A1- | 7,144                      | 9/32"                  | 64                   | 116                  | 76                   | 36                   | 8                          | ☹      |
| DC150-08-07.200A1- | 7,2                        |                        | 64                   | 116                  | 76                   | 36                   | 8                          | ☹      |
| DC150-08-07.300A1- | 7,3                        |                        | 64                   | 116                  | 76                   | 36                   | 8                          | ☹      |
| DC150-08-07.400A1- | 7,4                        |                        | 64                   | 116                  | 76                   | 36                   | 8                          | ☹      |
| DC150-08-07.500A1- | 7,5                        |                        | 64                   | 116                  | 76                   | 36                   | 8                          | ☹      |
| DC150-08-07.541A1- | 7,541                      | 19/64"                 | 64                   | 116                  | 76                   | 36                   | 8                          | ☹      |
| DC150-08-07.600A1- | 7,6                        |                        | 64                   | 116                  | 76                   | 36                   | 8                          | ☹      |
| DC150-08-07.700A1- | 7,7                        |                        | 64                   | 116                  | 76                   | 36                   | 8                          | ☹      |
| DC150-08-07.800A1- | 7,8                        |                        | 64                   | 116                  | 76                   | 36                   | 8                          | ☹      |
| DC150-08-07.900A1- | 7,9                        |                        | 64                   | 116                  | 76                   | 36                   | 8                          | ☹      |
| DC150-08-07.938A1- | 7,938                      | 5/16"                  | 64                   | 116                  | 76                   | 36                   | 8                          | ☹      |
| DC150-08-08.000A1- | 8                          |                        | 64                   | 116                  | 76                   | 36                   | 8                          | ☹      |
| DC150-08-08.100A1- | 8,1                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☹      |
| DC150-08-08.200A1- | 8,2                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☹      |
| DC150-08-08.300A1- | 8,3                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☹      |
| DC150-08-08.334A1- | 8,334                      | 21/64"                 | 80                   | 139                  | 95                   | 40                   | 10                         | ☹      |
| DC150-08-08.400A1- | 8,4                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☹      |
| DC150-08-08.500A1- | 8,5                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☹      |
| DC150-08-08.600A1- | 8,6                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☹      |
| DC150-08-08.700A1- | 8,7                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☹      |
| DC150-08-08.731A1- | 8,731                      | 11/32"                 | 80                   | 139                  | 95                   | 40                   | 10                         | ☹      |
| DC150-08-08.800A1- | 8,8                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☹      |
| DC150-08-08.900A1- | 8,9                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☹      |
| DC150-08-09.000A1- | 9                          |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☹      |
| DC150-08-09.100A1- | 9,1                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☹      |
| DC150-08-09.128A1- | 9,128                      | 23/64"                 | 80                   | 139                  | 95                   | 40                   | 10                         | ☹      |
| DC150-08-09.200A1- | 9,2                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☹      |
| DC150-08-09.300A1- | 9,3                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☹      |
| DC150-08-09.400A1- | 9,4                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☹      |
| DC150-08-09.500A1- | 9,5                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☹      |

Пример заказа инструмента из сплава WJ30TA: DC150-08-03.000A1-WJ30TA

**WALTER  
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 ●● Основная область применения ● Возможная область применения  
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## Инструмент



DIN 6535 HA

| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30TA |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC150-08-09.525A1- | 9,525                      | 3/8"                   | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC150-08-09.600A1- | 9,6                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC150-08-09.700A1- | 9,7                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC150-08-09.800A1- | 9,8                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC150-08-09.900A1- | 9,9                        |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC150-08-09.922A1- | 9,922                      | 25/64"                 | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC150-08-10.000A1- | 10                         |                        | 80                   | 139                  | 95                   | 40                   | 10                         | ☺      |
| DC150-08-10.100A1- | 10,1                       |                        | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC150-08-10.200A1- | 10,2                       |                        | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC150-08-10.300A1- | 10,3                       |                        | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC150-08-10.319A1- | 10,319                     | 13/32"                 | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC150-08-10.400A1- | 10,4                       |                        | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC150-08-10.500A1- | 10,5                       |                        | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC150-08-10.700A1- | 10,7                       |                        | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC150-08-10.716A1- | 10,716                     | 27/64"                 | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC150-08-10.800A1- | 10,8                       |                        | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC150-08-10.900A1- | 10,9                       |                        | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC150-08-11.000A1- | 11                         |                        | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC150-08-11.100A1- | 11,1                       |                        | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC150-08-11.113A1- | 11,113                     | 7/16"                  | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC150-08-11.200A1- | 11,2                       |                        | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC150-08-11.300A1- | 11,3                       |                        | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC150-08-11.500A1- | 11,5                       |                        | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC150-08-11.600A1- | 11,6                       |                        | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC150-08-11.700A1- | 11,7                       |                        | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC150-08-11.800A1- | 11,8                       |                        | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC150-08-11.900A1- | 11,9                       |                        | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC150-08-11.906A1- | 11,906                     | 15/32"                 | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC150-08-12.000A1- | 12                         |                        | 96                   | 163                  | 114                  | 45                   | 12                         | ☺      |
| DC150-08-12.303A1- | 12,303                     | 31/64"                 | 119                  | 182                  | 133                  | 45                   | 14                         | ☺      |
| DC150-08-12.500A1- | 12,5                       |                        | 119                  | 182                  | 133                  | 45                   | 14                         | ☺      |
| DC150-08-12.700A1- | 12,700                     | 1/2"                   | 119                  | 182                  | 133                  | 45                   | 14                         | ☺      |
| DC150-08-13.000A1- | 13                         |                        | 119                  | 182                  | 133                  | 45                   | 14                         | ☺      |
| DC150-08-13.494A1- | 13,494                     | 17/32"                 | 119                  | 182                  | 133                  | 45                   | 14                         | ☺      |
| DC150-08-13.500A1- | 13,5                       |                        | 119                  | 182                  | 133                  | 45                   | 14                         | ☺      |
| DC150-08-14.000A1- | 14                         |                        | 119                  | 182                  | 133                  | 45                   | 14                         | ☺      |
| DC150-08-14.288A1- | 14,288                     | 9/16"                  | 136                  | 204                  | 152                  | 48                   | 16                         | ☺      |
| DC150-08-14.500A1- | 14,5                       |                        | 136                  | 204                  | 152                  | 48                   | 16                         | ☺      |
| DC150-08-15.000A1- | 15                         |                        | 136                  | 204                  | 152                  | 48                   | 16                         | ☺      |
| DC150-08-15.500A1- | 15,5                       |                        | 136                  | 204                  | 152                  | 48                   | 16                         | ☺      |
| DC150-08-15.875A1- | 15,875                     | 5/8"                   | 136                  | 204                  | 152                  | 48                   | 16                         | ☺      |
| DC150-08-16.000A1- | 16                         |                        | 136                  | 204                  | 152                  | 48                   | 16                         | ☺      |
| DC150-08-16.500A1- | 16,5                       |                        | 153                  | 223                  | 171                  | 48                   | 18                         | ☺      |
| DC150-08-17.000A1- | 17                         |                        | 153                  | 223                  | 171                  | 48                   | 18                         | ☺      |
| DC150-08-17.500A1- | 17,5                       |                        | 153                  | 223                  | 171                  | 48                   | 18                         | ☺      |
| DC150-08-18.000A1- | 18                         |                        | 153                  | 223                  | 171                  | 48                   | 18                         | ☺      |

Пример заказа инструмента из сплава WJ30TA: DC150-08-03.000A1-WJ30TA

WALTER  
SELECT

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки

☺ ☹ ☹☹ / \* = Новый инструмент

Свёрла твердосплавные с внутренним подводом СОЖ

B 103

| Инструмент  |                    | $D_c$<br>m7<br>mm | $D_c$<br>Inch/Nr | $L_c$<br>mm | $l_1$<br>mm | $l_2$<br>mm | $l_5$<br>mm | $d_1$<br>h6<br>mm | WJ30TA |
|-------------|--------------------|-------------------|------------------|-------------|-------------|-------------|-------------|-------------------|--------|
|             | Обозначение        |                   |                  |             |             |             |             |                   |        |
|             | DC150-08-18.500A1- | 18,5              |                  | 170         | 244         | 190         | 50          | 20                | ☺      |
|             | DC150-08-19.000A1- | 19                |                  | 170         | 244         | 190         | 50          | 20                | ☺      |
|             | DC150-08-19.050A1- | 19,050            | 3/4"             | 170         | 244         | 190         | 50          | 20                | ☺      |
|             | DC150-08-19.500A1- | 19,5              |                  | 170         | 244         | 190         | 50          | 20                | ☺      |
| DIN 6535 HA | DC150-08-20.000A1- | 20                |                  | 170         | 244         | 190         | 50          | 20                | ☺      |

Пример заказа инструмента из сплава WJ30TA: DC150-08-03.000A1-WJ30TA

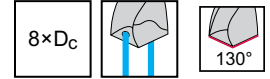
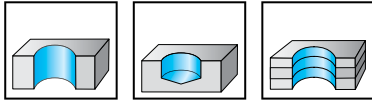
B1



# Свёрла твердосплавные, с внутренним подводом СОЖ

## A3486TIP

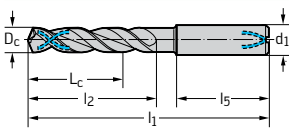
### Alpha® 44



|     |    |   |   |    |   |   |   |
|-----|----|---|---|----|---|---|---|
|     | P  | M | K | N  | S | H | O |
| TIP | ●● | ● | ● | ●● | ● |   | ● |

#### Инструмент

| Обозначение  | D <sub>c</sub><br>m7<br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm |
|--------------|----------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|
| A3486TIP-5   | 5                          | 54                   | 101                  | 63                   | 36                   | 6                          |
| A3486TIP-5.5 | 5,5                        | 54                   | 101                  | 63                   | 36                   | 6                          |
| A3486TIP-6   | 6                          | 54                   | 101                  | 63                   | 36                   | 6                          |
| A3486TIP-6.1 | 6,1                        | 67                   | 117                  | 79                   | 36                   | 8                          |
| A3486TIP-6.5 | 6,5                        | 67                   | 117                  | 79                   | 36                   | 8                          |
| A3486TIP-6.8 | 6,8                        | 67                   | 117                  | 79                   | 36                   | 8                          |
| A3486TIP-7   | 7                          | 67                   | 117                  | 79                   | 36                   | 8                          |
| A3486TIP-8   | 8                          | 67                   | 117                  | 79                   | 36                   | 8                          |



DIN 6535 HA

**WALTER  
SELECT**

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = 😊 → нормальных = 😐 → неблагоприятных = ☹️ условий обработки

☹️ ☹️ ☹️ / ★ = Новый инструмент

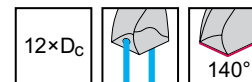
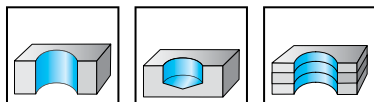
Свёрла твердосплавные с внутренним подводом СОЖ В 105

B1

# Свёрла твердосплавные, малоразмерные, с внутренним подводом СОЖ

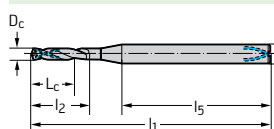
## DB133 Supreme

B1



|        |    |    |    |    |    |   |   |
|--------|----|----|----|----|----|---|---|
|        | P  | M  | K  | N  | S  | H | O |
| WJ30ER | ●● | ●● | ●● | ●● | ●● | ● | ● |

### Инструмент



DIN 6535 HA

| Обозначение        | D <sub>c</sub><br>h7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30ER |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DB133-12-00.700A1- | 0,7                        |                        | 9,9                  | 53                   | 11                   | 35                   | 3                          | ●●     |
| DB133-12-00.750A1- | 0,75                       |                        | 10,8                 | 53                   | 12                   | 34                   | 3                          | ●●     |
| DB133-12-00.794A1- | 0,794                      | 1/32"                  | 10,8                 | 53                   | 12                   | 34                   | 3                          | ●●     |
| DB133-12-00.800A1- | 0,8                        |                        | 10,8                 | 53                   | 12                   | 34                   | 3                          | ●●     |
| DB133-12-00.850A1- | 0,85                       |                        | 12,6                 | 57                   | 14                   | 36                   | 3                          | ●●     |
| DB133-12-00.900A1- | 0,9                        |                        | 12,6                 | 57                   | 14                   | 36                   | 3                          | ●●     |
| DB133-12-00.950A1- | 0,95                       |                        | 14,5                 | 57                   | 16                   | 34                   | 3                          | ●●     |
| DB133-12-01.000A1- | 1                          |                        | 14,5                 | 57                   | 16                   | 34                   | 3                          | ●●     |
| DB133-12-01.050A1- | 1,05                       |                        | 15                   | 59                   | 17                   | 36                   | 3                          | ●●     |
| DB133-12-01.100A1- | 1,1                        |                        | 15                   | 59                   | 17                   | 36                   | 3                          | ●●     |
| DB133-12-01.150A1- | 1,15                       |                        | 17                   | 59                   | 19                   | 34                   | 3                          | ●●     |
| DB133-12-01.191A1- | 1,191                      | 3/64"                  | 17                   | 59                   | 19                   | 34                   | 3                          | ●●     |
| DB133-12-01.200A1- | 1,2                        |                        | 17                   | 59                   | 19                   | 34                   | 3                          | ●●     |
| DB133-12-01.250A1- | 1,25                       |                        | 17                   | 59                   | 19                   | 34                   | 3                          | ●●     |
| DB133-12-01.300A1- | 1,3                        |                        | 18                   | 63                   | 20                   | 37                   | 3                          | ●●     |
| DB133-12-01.350A1- | 1,35                       |                        | 19                   | 63                   | 22                   | 35                   | 3                          | ●●     |
| DB133-12-01.400A1- | 1,4                        |                        | 19                   | 63                   | 22                   | 35                   | 3                          | ●●     |
| DB133-12-01.450A1- | 1,45                       |                        | 20                   | 63                   | 23                   | 34                   | 3                          | ●●     |
| DB133-12-01.500A1- | 1,5                        |                        | 20                   | 63                   | 23                   | 34                   | 3                          | ●●     |
| DB133-12-01.550A1- | 1,55                       |                        | 22                   | 67                   | 25                   | 37                   | 3                          | ●●     |
| DB133-12-01.588A1- | 1,588                      | 1/16"                  | 22                   | 67                   | 25                   | 37                   | 3                          | ●●     |
| DB133-12-01.600A1- | 1,6                        |                        | 22                   | 67                   | 25                   | 37                   | 3                          | ●●     |
| DB133-12-01.650A1- | 1,65                       |                        | 23                   | 67                   | 26                   | 36                   | 3                          | ●●     |
| DB133-12-01.700A1- | 1,7                        |                        | 23                   | 67                   | 26                   | 36                   | 3                          | ●●     |
| DB133-12-01.750A1- | 1,75                       |                        | 25                   | 67                   | 28                   | 34                   | 3                          | ●●     |
| DB133-12-01.800A1- | 1,8                        |                        | 25                   | 67                   | 28                   | 34                   | 3                          | ●●     |
| DB133-12-01.850A1- | 1,85                       |                        | 26                   | 72                   | 29                   | 38                   | 3                          | ●●     |
| DB133-12-01.900A1- | 1,9                        |                        | 26                   | 72                   | 29                   | 38                   | 3                          | ●●     |
| DB133-12-01.950A1- | 1,95                       |                        | 28                   | 72                   | 31                   | 36                   | 3                          | ●●     |
| DB133-12-01.984A1- | 1,984                      | 5/64"                  | 28                   | 72                   | 31                   | 36                   | 3                          | ●●     |
| DB133-12-02.000A1- | 2                          |                        | 28                   | 72                   | 31                   | 36                   | 3                          | ●●     |
| DB133-12-02.100A1- | 2,1                        |                        | 29                   | 72                   | 33                   | 35                   | 3                          | ●●     |
| DB133-12-02.200A1- | 2,2                        |                        | 30                   | 72                   | 34                   | 34                   | 3                          | ●●     |
| DB133-12-02.300A1- | 2,3                        |                        | 32                   | 77                   | 36                   | 37                   | 3                          | ●●     |
| DB133-12-02.381A1- | 2,381                      | 3/32"                  | 33                   | 77                   | 37                   | 36                   | 3                          | ●●     |
| DB133-12-02.400A1- | 2,4                        |                        | 33                   | 77                   | 37                   | 36                   | 3                          | ●●     |

Пример заказа инструмента из сплава WJ30ER: DB133-12-00.700A1-WJ30ER

**WALTER  
SELECT**

●● Основная область применения    ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹☹ условий обработки

| Инструмент  |                    | $D_c$<br>h7<br>mm | $D_c$ Inch/Nr | $L_c$<br>mm | $l_1$<br>mm | $l_2$<br>mm | $l_5$<br>mm | $d_1$<br>h6<br>mm | WJ30ER |
|-------------|--------------------|-------------------|---------------|-------------|-------------|-------------|-------------|-------------------|--------|
|             | Обозначение        |                   |               |             |             |             |             |                   |        |
|             | DB133-12-02.500A1- | 2,5               |               | 35          | 77          | 39          | 34          | 3                 | ☺      |
|             | DB133-12-02.600A1- | 2,6               |               | 36          | 83          | 40          | 39          | 3                 | ☺      |
|             | DB133-12-02.700A1- | 2,7               |               | 37          | 83          | 42          | 38          | 3                 | ☺      |
|             | DB133-12-02.778A1- | 2,778             | 7/64"         | 38          | 83          | 43          | 37          | 3                 | ☺      |
|             | DB133-12-02.800A1- | 2,8               |               | 38          | 83          | 43          | 37          | 3                 | ☺      |
| DIN 6535 HA | DB133-12-02.900A1- | 2,9               |               | 40          | 83          | 45          | 35          | 3                 | ☺      |

Пример заказа инструмента из сплава WJ30ER: DB133-12-00.700A1-WJ30ER

B1

**WALTER  
SELECT**

Основная область применения   
 
 Возможная область применения  
 Оптимально подходит для → хороших = ☺   
 → нормальных = ☹   
 → неблагоприятных = ☹☹   
 условий обработки

# Свёрла твердосплавные, с внутренним подводом СОЖ

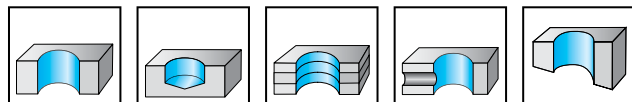
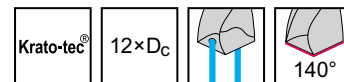
## DC180 Supreme

### X-treme Evo Plus

Powered by Krato-tec®



– с инновационным многослойным покрытием Krato-tec®



|        |    |    |    |    |    |    |   |
|--------|----|----|----|----|----|----|---|
|        | P  | M  | K  | N  | S  | H  | O |
| WJ30EY | ●● | ●● | ●● | ●● | ●● | ●● | ● |

B1

| Инструмент         | Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30EY |
|--------------------|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| <p>DIN 6535 HA</p> | DC180-12-03.000A1- | 3                          |                        | 48                   | 92                   | 54                   | 36                   | 6                          | ●●     |
|                    | DC180-12-03.100A1- | 3,1                        |                        | 48                   | 92                   | 54                   | 36                   | 6                          | ●●     |
|                    | DC180-12-03.175A1- | 3,175                      | 1/8"                   | 48                   | 92                   | 54                   | 36                   | 6                          | ●●     |
|                    | DC180-12-03.200A1- | 3,2                        |                        | 48                   | 92                   | 54                   | 36                   | 6                          | ●●     |
|                    | DC180-12-03.300A1- | 3,3                        |                        | 48                   | 92                   | 54                   | 36                   | 6                          | ●●     |
|                    | DC180-12-03.400A1- | 3,4                        |                        | 48                   | 92                   | 54                   | 36                   | 6                          | ●●     |
|                    | DC180-12-03.500A1- | 3,5                        |                        | 48                   | 92                   | 54                   | 36                   | 6                          | ●●     |
|                    | DC180-12-03.572A1- | 3,572                      | 9/64"                  | 48                   | 92                   | 54                   | 36                   | 6                          | ●●     |
|                    | DC180-12-03.600A1- | 3,6                        |                        | 48                   | 92                   | 54                   | 36                   | 6                          | ●●     |
|                    | DC180-12-03.700A1- | 3,7                        |                        | 48                   | 92                   | 54                   | 36                   | 6                          | ●●     |
|                    | DC180-12-03.800A1- | 3,8                        |                        | 56                   | 102                  | 64                   | 36                   | 6                          | ●●     |
|                    | DC180-12-03.900A1- | 3,9                        |                        | 56                   | 102                  | 64                   | 36                   | 6                          | ●●     |
|                    | DC180-12-03.969A1- | 3,969                      | 5/32"                  | 56                   | 102                  | 64                   | 36                   | 6                          | ●●     |
|                    | DC180-12-04.000A1- | 4                          |                        | 56                   | 102                  | 64                   | 36                   | 6                          | ●●     |
|                    | DC180-12-04.100A1- | 4,1                        |                        | 56                   | 102                  | 64                   | 36                   | 6                          | ●●     |
|                    | DC180-12-04.200A1- | 4,2                        |                        | 56                   | 102                  | 64                   | 36                   | 6                          | ●●     |
|                    | DC180-12-04.300A1- | 4,3                        |                        | 56                   | 102                  | 64                   | 36                   | 6                          | ●●     |
|                    | DC180-12-04.366A1- | 4,366                      | 11/64"                 | 56                   | 102                  | 64                   | 36                   | 6                          | ●●     |
|                    | DC180-12-04.400A1- | 4,4                        |                        | 56                   | 102                  | 64                   | 36                   | 6                          | ●●     |
|                    | DC180-12-04.500A1- | 4,5                        |                        | 56                   | 102                  | 64                   | 36                   | 6                          | ●●     |
|                    | DC180-12-04.600A1- | 4,6                        |                        | 56                   | 102                  | 64                   | 36                   | 6                          | ●●     |
|                    | DC180-12-04.700A1- | 4,7                        |                        | 56                   | 102                  | 64                   | 36                   | 6                          | ●●     |
|                    | DC180-12-04.763A1- | 4,763                      | 3/16"                  | 74                   | 121                  | 83                   | 36                   | 6                          | ●●     |
|                    | DC180-12-04.800A1- | 4,8                        |                        | 74                   | 121                  | 83                   | 36                   | 6                          | ●●     |
|                    | DC180-12-04.900A1- | 4,9                        |                        | 74                   | 121                  | 83                   | 36                   | 6                          | ●●     |
|                    | DC180-12-05.000A1- | 5                          |                        | 74                   | 121                  | 83                   | 36                   | 6                          | ●●     |
|                    | DC180-12-05.100A1- | 5,1                        |                        | 74                   | 121                  | 83                   | 36                   | 6                          | ●●     |
|                    | DC180-12-05.159A1- | 5,159                      | 13/64"                 | 74                   | 121                  | 83                   | 36                   | 6                          | ●●     |
|                    | DC180-12-05.200A1- | 5,2                        |                        | 74                   | 121                  | 83                   | 36                   | 6                          | ●●     |
|                    | DC180-12-05.300A1- | 5,3                        |                        | 74                   | 121                  | 83                   | 36                   | 6                          | ●●     |
|                    | DC180-12-05.400A1- | 5,4                        |                        | 74                   | 121                  | 83                   | 36                   | 6                          | ●●     |
|                    | DC180-12-05.500A1- | 5,5                        |                        | 74                   | 121                  | 83                   | 36                   | 6                          | ●●     |
|                    | DC180-12-05.550A1- | 5,5                        |                        | 74                   | 121                  | 83                   | 36                   | 6                          | ●●     |
|                    | DC180-12-05.556A1- | 5,556                      | 7/32"                  | 74                   | 121                  | 83                   | 36                   | 6                          | ●●     |
|                    | DC180-12-05.600A1- | 5,6                        |                        | 74                   | 121                  | 83                   | 36                   | 6                          | ●●     |
| DC180-12-05.700A1- | 5,7                |                            | 74                     | 121                  | 83                   | 36                   | 6                    | ●●                         |        |

Пример заказа инструмента из сплава WJ30EY: DC180-12-03.000A1-WJ30EY

●● Основная область применения
● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹☹ условий обработки

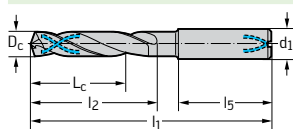
| Инструмент         |                    | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub><br>Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30EY |
|--------------------|--------------------|----------------------------|---------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| <p>DIN 6535 HA</p> | Обозначение        |                            |                           |                      |                      |                      |                      |                            |        |
|                    | DC180-12-05.800A1- | 5,8                        |                           | 74                   | 121                  | 83                   | 36                   | 6                          | ☺      |
|                    | DC180-12-05.900A1- | 5,9                        |                           | 74                   | 121                  | 83                   | 36                   | 6                          | ☺      |
|                    | DC180-12-06.000A1- | 6                          |                           | 74                   | 121                  | 83                   | 36                   | 6                          | ☺      |
|                    | DC180-12-06.100A1- | 6,1                        |                           | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
|                    | DC180-12-06.200A1- | 6,2                        |                           | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
|                    | DC180-12-06.300A1- | 6,3                        |                           | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
|                    | DC180-12-06.350A1- | 6,350                      | 1/4"                      | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
|                    | DC180-12-06.400A1- | 6,4                        |                           | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
|                    | DC180-12-06.500A1- | 6,5                        |                           | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
|                    | DC180-12-06.600A1- | 6,6                        |                           | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
|                    | DC180-12-06.700A1- | 6,7                        |                           | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
|                    | DC180-12-06.747A1- | 6,747                      | 17/64"                    | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
|                    | DC180-12-06.800A1- | 6,8                        |                           | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
|                    | DC180-12-06.900A1- | 6,9                        |                           | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
|                    | DC180-12-07.000A1- | 7                          |                           | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
|                    | DC180-12-07.100A1- | 7,1                        |                           | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
|                    | DC180-12-07.144A1- | 7,144                      | 9/32"                     | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
|                    | DC180-12-07.200A1- | 7,2                        |                           | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
|                    | DC180-12-07.300A1- | 7,3                        |                           | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
|                    | DC180-12-07.400A1- | 7,4                        |                           | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
|                    | DC180-12-07.500A1- | 7,5                        |                           | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
|                    | DC180-12-07.541A1- | 7,541                      | 19/64"                    | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
|                    | DC180-12-07.800A1- | 7,8                        |                           | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
|                    | DC180-12-07.900A1- | 7,9                        |                           | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
|                    | DC180-12-07.938A1- | 7,938                      | 5/16"                     | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
|                    | DC180-12-08.000A1- | 8                          |                           | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
|                    | DC180-12-08.100A1- | 8,1                        |                           | 123                  | 180                  | 138                  | 40                   | 10                         | ☺      |
|                    | DC180-12-08.200A1- | 8,2                        |                           | 123                  | 180                  | 138                  | 40                   | 10                         | ☺      |
|                    | DC180-12-08.300A1- | 8,3                        |                           | 123                  | 180                  | 138                  | 40                   | 10                         | ☺      |
|                    | DC180-12-08.400A1- | 8,4                        |                           | 123                  | 180                  | 138                  | 40                   | 10                         | ☺      |
|                    | DC180-12-08.500A1- | 8,5                        |                           | 123                  | 180                  | 138                  | 40                   | 10                         | ☺      |
|                    | DC180-12-08.600A1- | 8,6                        |                           | 123                  | 180                  | 138                  | 40                   | 10                         | ☺      |
|                    | DC180-12-08.700A1- | 8,7                        |                           | 123                  | 180                  | 138                  | 40                   | 10                         | ☺      |
| DC180-12-08.731A1- | 8,731              | 11/32"                     | 123                       | 180                  | 138                  | 40                   | 10                   | ☺                          |        |
| DC180-12-08.800A1- | 8,8                |                            | 123                       | 180                  | 138                  | 40                   | 10                   | ☺                          |        |
| DC180-12-09.000A1- | 9                  |                            | 123                       | 180                  | 138                  | 40                   | 10                   | ☺                          |        |
| DC180-12-09.128A1- | 9,128              | 23/64"                     | 123                       | 180                  | 138                  | 40                   | 10                   | ☺                          |        |
| DC180-12-09.200A1- | 9,2                |                            | 123                       | 180                  | 138                  | 40                   | 10                   | ☺                          |        |
| DC180-12-09.300A1- | 9,3                |                            | 123                       | 180                  | 138                  | 40                   | 10                   | ☺                          |        |
| DC180-12-09.500A1- | 9,5                |                            | 123                       | 180                  | 138                  | 40                   | 10                   | ☺                          |        |
| DC180-12-09.525A1- | 9,525              | 3/8"                       | 123                       | 180                  | 138                  | 40                   | 10                   | ☺                          |        |
| DC180-12-09.600A1- | 9,6                |                            | 123                       | 180                  | 138                  | 40                   | 10                   | ☺                          |        |
| DC180-12-09.700A1- | 9,7                |                            | 123                       | 180                  | 138                  | 40                   | 10                   | ☺                          |        |
| DC180-12-09.800A1- | 9,8                |                            | 123                       | 180                  | 138                  | 40                   | 10                   | ☺                          |        |
| DC180-12-09.922A1- | 9,922              | 25/64"                     | 123                       | 180                  | 138                  | 40                   | 10                   | ☺                          |        |
| DC180-12-10.000A1- | 10                 |                            | 123                       | 180                  | 138                  | 40                   | 10                   | ☺                          |        |

Пример заказа инструмента из сплава WJ30EY: DC180-12-03.000A1-WJ30EY

**WALTER  
SELECT**

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки

## Инструмент



DIN 6535 HA

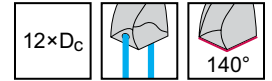
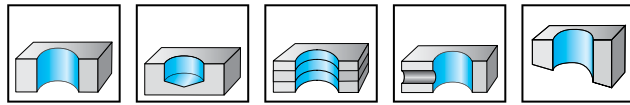
| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub><br>Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30EY |
|--------------------|----------------------------|---------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC180-12-10.100A1- | 10,1                       |                           | 140                  | 206                  | 158                  | 45                   | 12                         | ☹      |
| DC180-12-10.200A1- | 10,2                       |                           | 140                  | 206                  | 158                  | 45                   | 12                         | ☹      |
| DC180-12-10.300A1- | 10,3                       |                           | 140                  | 206                  | 158                  | 45                   | 12                         | ☹      |
| DC180-12-10.319A1- | 10,319                     | 13/32"                    | 140                  | 206                  | 158                  | 45                   | 12                         | ☹      |
| DC180-12-10.400A1- | 10,4                       |                           | 140                  | 206                  | 158                  | 45                   | 12                         | ☹      |
| DC180-12-10.500A1- | 10,5                       |                           | 140                  | 206                  | 158                  | 45                   | 12                         | ☹      |
| DC180-12-10.716A1- | 10,716                     | 27/64"                    | 140                  | 206                  | 158                  | 45                   | 12                         | ☹      |
| DC180-12-10.800A1- | 10,8                       |                           | 140                  | 206                  | 158                  | 45                   | 12                         | ☹      |
| DC180-12-11.000A1- | 11                         |                           | 140                  | 206                  | 158                  | 45                   | 12                         | ☹      |
| DC180-12-11.100A1- | 11,1                       |                           | 140                  | 206                  | 158                  | 45                   | 12                         | ☹      |
| DC180-12-11.113A1- | 11,113                     | 7/16"                     | 140                  | 206                  | 158                  | 45                   | 12                         | ☹      |
| DC180-12-11.200A1- | 11,2                       |                           | 140                  | 206                  | 158                  | 45                   | 12                         | ☹      |
| DC180-12-11.500A1- | 11,5                       |                           | 140                  | 206                  | 158                  | 45                   | 12                         | ☹      |
| DC180-12-11.509A1- | 11,509                     | 29/64"                    | 140                  | 206                  | 158                  | 45                   | 12                         | ☹      |
| DC180-12-11.700A1- | 11,7                       |                           | 140                  | 206                  | 158                  | 45                   | 12                         | ☹      |
| DC180-12-11.800A1- | 11,8                       |                           | 140                  | 206                  | 158                  | 45                   | 12                         | ☹      |
| DC180-12-11.906A1- | 11,906                     | 15/32"                    | 140                  | 206                  | 158                  | 45                   | 12                         | ☹      |
| DC180-12-12.000A1- | 12                         |                           | 140                  | 206                  | 158                  | 45                   | 12                         | ☹      |
| DC180-12-12.100A1- | 12,1                       |                           | 168                  | 230                  | 182                  | 45                   | 14                         | ☹      |
| DC180-12-12.200A1- | 12,2                       |                           | 168                  | 230                  | 182                  | 45                   | 14                         | ☹      |
| DC180-12-12.300A1- | 12,3                       |                           | 168                  | 230                  | 182                  | 45                   | 14                         | ☹      |
| DC180-12-12.303A1- | 12,303                     | 31/64"                    | 168                  | 230                  | 182                  | 45                   | 14                         | ☹      |
| DC180-12-12.500A1- | 12,5                       |                           | 168                  | 230                  | 182                  | 45                   | 14                         | ☹      |
| DC180-12-12.600A1- | 12,6                       |                           | 168                  | 230                  | 182                  | 45                   | 14                         | ☹      |
| DC180-12-12.700A1- | 12,700                     | 1/2"                      | 168                  | 230                  | 182                  | 45                   | 14                         | ☹      |
| DC180-12-13.000A1- | 13                         |                           | 168                  | 230                  | 182                  | 45                   | 14                         | ☹      |
| DC180-12-13.494A1- | 13,494                     | 17/32"                    | 168                  | 230                  | 182                  | 45                   | 14                         | ☹      |
| DC180-12-13.500A1- | 13,5                       |                           | 168                  | 230                  | 182                  | 45                   | 14                         | ☹      |
| DC180-12-14.000A1- | 14                         |                           | 168                  | 230                  | 182                  | 45                   | 14                         | ☹      |
| DC180-12-14.288A1- | 14,288                     | 9/16"                     | 192                  | 260                  | 208                  | 48                   | 16                         | ☹      |
| DC180-12-14.500A1- | 14,5                       |                           | 192                  | 260                  | 208                  | 48                   | 16                         | ☹      |
| DC180-12-15.000A1- | 15                         |                           | 192                  | 260                  | 208                  | 48                   | 16                         | ☹      |
| DC180-12-15.500A1- | 15,5                       |                           | 192                  | 260                  | 208                  | 48                   | 16                         | ☹      |
| DC180-12-15.875A1- | 15,875                     | 5/8"                      | 192                  | 260                  | 208                  | 48                   | 16                         | ☹      |
| DC180-12-16.000A1- | 16                         |                           | 192                  | 260                  | 208                  | 48                   | 16                         | ☹      |
| DC180-12-16.500A1- | 16,5                       |                           | 216                  | 285                  | 234                  | 48                   | 18                         | ☹      |
| DC180-12-17.000A1- | 17                         |                           | 216                  | 285                  | 234                  | 48                   | 18                         | ☹      |
| DC180-12-17.500A1- | 17,5                       |                           | 216                  | 285                  | 234                  | 48                   | 18                         | ☹      |
| DC180-12-18.000A1- | 18                         |                           | 216                  | 285                  | 234                  | 48                   | 18                         | ☹      |
| DC180-12-18.500A1- | 18,5                       |                           | 238                  | 310                  | 258                  | 50                   | 20                         | ☹      |
| DC180-12-19.000A1- | 19                         |                           | 238                  | 310                  | 258                  | 50                   | 20                         | ☹      |
| DC180-12-19.500A1- | 19,5                       |                           | 238                  | 310                  | 258                  | 50                   | 20                         | ☹      |
| DC180-12-20.000A1- | 20                         |                           | 238                  | 310                  | 258                  | 50                   | 20                         | ☹      |

Пример заказа инструмента из сплава WJ30EY: DC180-12-03.000A1-WJ30EY

 WALTER  
SELECT

●● Основная область применения    ● Возможная область применения  
 Оптимально подходит для → хороших = ☹ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

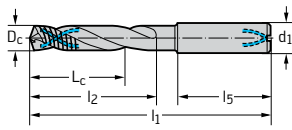
# Свёрла твердосплавные, с внутренним подводом СОЖ DC170 Supreme



|        |    |   |    |   |   |   |   |
|--------|----|---|----|---|---|---|---|
|        | P  | M | K  | N | S | H | O |
| WJ30EJ | ●● |   | ●● |   |   | ● |   |

B1

| Инструмент | Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30EJ |
|------------|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
|            | DC170-12-03.000A1- | 3                          |                        | 48                   | 92                   | 54                   | 36                   | 6                          | ☺      |
|            | DC170-12-03.100A1- | 3,1                        |                        | 48                   | 92                   | 54                   | 36                   | 6                          | ☺      |
|            | DC170-12-03.175A1- | 3,175                      | 1/8"                   | 48                   | 92                   | 54                   | 36                   | 6                          | ☺      |
|            | DC170-12-03.200A1- | 3,2                        |                        | 48                   | 92                   | 54                   | 36                   | 6                          | ☺      |
|            | DC170-12-03.300A1- | 3,3                        |                        | 48                   | 92                   | 54                   | 36                   | 6                          | ☺      |
|            | DC170-12-03.400A1- | 3,4                        |                        | 48                   | 92                   | 54                   | 36                   | 6                          | ☺      |
|            | DC170-12-03.500A1- | 3,5                        |                        | 48                   | 92                   | 54                   | 36                   | 6                          | ☺      |
|            | DC170-12-03.572A1- | 3,572                      | 9/64"                  | 48                   | 92                   | 54                   | 36                   | 6                          | ☺      |
|            | DC170-12-03.600A1- | 3,6                        |                        | 48                   | 92                   | 54                   | 36                   | 6                          | ☺      |
|            | DC170-12-03.700A1- | 3,7                        |                        | 48                   | 92                   | 54                   | 36                   | 6                          | ☺      |
|            | DC170-12-03.800A1- | 3,8                        |                        | 56                   | 102                  | 64                   | 36                   | 6                          | ☺      |
|            | DC170-12-03.900A1- | 3,9                        |                        | 56                   | 102                  | 64                   | 36                   | 6                          | ☺      |
|            | DC170-12-03.969A1- | 3,969                      | 5/32"                  | 56                   | 102                  | 64                   | 36                   | 6                          | ☺      |
|            | DC170-12-04.000A1- | 4                          |                        | 56                   | 102                  | 64                   | 36                   | 6                          | ☺      |
|            | DC170-12-04.100A1- | 4,1                        |                        | 56                   | 102                  | 64                   | 36                   | 6                          | ☺      |
|            | DC170-12-04.200A1- | 4,2                        |                        | 56                   | 102                  | 64                   | 36                   | 6                          | ☺      |
|            | DC170-12-04.300A1- | 4,3                        |                        | 56                   | 102                  | 64                   | 36                   | 6                          | ☺      |
|            | DC170-12-04.366A1- | 4,366                      | 11/64"                 | 56                   | 102                  | 64                   | 36                   | 6                          | ☺      |
|            | DC170-12-04.400A1- | 4,4                        |                        | 56                   | 102                  | 64                   | 36                   | 6                          | ☺      |
|            | DC170-12-04.500A1- | 4,5                        |                        | 56                   | 102                  | 64                   | 36                   | 6                          | ☺      |
|            | DC170-12-04.600A1- | 4,6                        |                        | 56                   | 102                  | 64                   | 36                   | 6                          | ☺      |
|            | DC170-12-04.700A1- | 4,7                        |                        | 56                   | 102                  | 64                   | 36                   | 6                          | ☺      |
|            | DC170-12-04.763A1- | 4,763                      | 3/16"                  | 74                   | 121                  | 83                   | 36                   | 6                          | ☺      |
|            | DC170-12-04.800A1- | 4,8                        |                        | 74                   | 121                  | 83                   | 36                   | 6                          | ☺      |
|            | DC170-12-04.900A1- | 4,9                        |                        | 74                   | 121                  | 83                   | 36                   | 6                          | ☺      |
|            | DC170-12-05.000A1- | 5                          |                        | 74                   | 121                  | 83                   | 36                   | 6                          | ☺      |
|            | DC170-12-05.100A1- | 5,1                        |                        | 74                   | 121                  | 83                   | 36                   | 6                          | ☺      |
|            | DC170-12-05.159A1- | 5,159                      | 13/64"                 | 74                   | 121                  | 83                   | 36                   | 6                          | ☺      |
|            | DC170-12-05.200A1- | 5,2                        |                        | 74                   | 121                  | 83                   | 36                   | 6                          | ☺      |
|            | DC170-12-05.300A1- | 5,3                        |                        | 74                   | 121                  | 83                   | 36                   | 6                          | ☺      |
|            | DC170-12-05.400A1- | 5,4                        |                        | 74                   | 121                  | 83                   | 36                   | 6                          | ☺      |
|            | DC170-12-05.500A1- | 5,5                        |                        | 74                   | 121                  | 83                   | 36                   | 6                          | ☺      |
|            | DC170-12-05.550A1- | 5,55                       |                        | 74                   | 121                  | 83                   | 36                   | 6                          | ☺      |
|            | DC170-12-05.556A1- | 5,556                      | 7/32"                  | 74                   | 121                  | 83                   | 36                   | 6                          | ☺      |
|            | DC170-12-05.600A1- | 5,6                        |                        | 74                   | 121                  | 83                   | 36                   | 6                          | ☺      |
|            | DC170-12-05.700A1- | 5,7                        |                        | 74                   | 121                  | 83                   | 36                   | 6                          | ☺      |



DIN 6535 HA

Пример заказа инструмента из сплава WJ30EJ: DC170-12-03.000A1-WJ30EJ

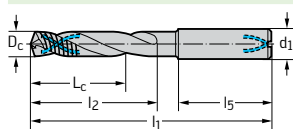
**WALTER SELECT**

☺ ● ● Основная область применения ● Возможная область применения

Оптимально подходит для → хороших = ☺ → нормальных = ● → неблагоприятных = ☹ условий обработки

☺ ☹ ☹ / \* = Новый инструмент

## Инструмент



DIN 6535 HA

| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30EJ |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC170-12-05.800A1- | 5,8                        |                        | 74                   | 121                  | 83                   | 36                   | 6                          | ☹      |
| DC170-12-05.900A1- | 5,9                        |                        | 74                   | 121                  | 83                   | 36                   | 6                          | ☹      |
| DC170-12-06.000A1- | 6                          |                        | 74                   | 121                  | 83                   | 36                   | 6                          | ☹      |
| DC170-12-06.100A1- | 6,1                        |                        | 98                   | 148                  | 110                  | 36                   | 8                          | ☹      |
| DC170-12-06.200A1- | 6,2                        |                        | 98                   | 148                  | 110                  | 36                   | 8                          | ☹      |
| DC170-12-06.300A1- | 6,3                        |                        | 98                   | 148                  | 110                  | 36                   | 8                          | ☹      |
| DC170-12-06.350A1- | 6,350                      | 1/4"                   | 98                   | 148                  | 110                  | 36                   | 8                          | ☹      |
| DC170-12-06.400A1- | 6,4                        |                        | 98                   | 148                  | 110                  | 36                   | 8                          | ☹      |
| DC170-12-06.500A1- | 6,5                        |                        | 98                   | 148                  | 110                  | 36                   | 8                          | ☹      |
| DC170-12-06.600A1- | 6,6                        |                        | 98                   | 148                  | 110                  | 36                   | 8                          | ☹      |
| DC170-12-06.747A1- | 6,747                      | 17/64"                 | 98                   | 148                  | 110                  | 36                   | 8                          | ☹      |
| DC170-12-06.800A1- | 6,8                        |                        | 98                   | 148                  | 110                  | 36                   | 8                          | ☹      |
| DC170-12-06.900A1- | 6,9                        |                        | 98                   | 148                  | 110                  | 36                   | 8                          | ☹      |
| DC170-12-07.000A1- | 7                          |                        | 98                   | 148                  | 110                  | 36                   | 8                          | ☹      |
| DC170-12-07.100A1- | 7,1                        |                        | 98                   | 148                  | 110                  | 36                   | 8                          | ☹      |
| DC170-12-07.144A1- | 7,144                      | 9/32"                  | 98                   | 148                  | 110                  | 36                   | 8                          | ☹      |
| DC170-12-07.300A1- | 7,3                        |                        | 98                   | 148                  | 110                  | 36                   | 8                          | ☹      |
| DC170-12-07.400A1- | 7,4                        |                        | 98                   | 148                  | 110                  | 36                   | 8                          | ☹      |
| DC170-12-07.500A1- | 7,5                        |                        | 98                   | 148                  | 110                  | 36                   | 8                          | ☹      |
| DC170-12-07.541A1- | 7,541                      | 19/64"                 | 98                   | 148                  | 110                  | 36                   | 8                          | ☹      |
| DC170-12-07.800A1- | 7,8                        |                        | 98                   | 148                  | 110                  | 36                   | 8                          | ☹      |
| DC170-12-07.900A1- | 7,9                        |                        | 98                   | 148                  | 110                  | 36                   | 8                          | ☹      |
| DC170-12-07.938A1- | 7,938                      | 5/16"                  | 98                   | 148                  | 110                  | 36                   | 8                          | ☹      |
| DC170-12-08.000A1- | 8                          |                        | 98                   | 148                  | 110                  | 36                   | 8                          | ☹      |
| DC170-12-08.100A1- | 8,1                        |                        | 123                  | 180                  | 138                  | 40                   | 10                         | ☹      |
| DC170-12-08.200A1- | 8,2                        |                        | 123                  | 180                  | 138                  | 40                   | 10                         | ☹      |
| DC170-12-08.300A1- | 8,3                        |                        | 123                  | 180                  | 138                  | 40                   | 10                         | ☹      |
| DC170-12-08.400A1- | 8,4                        |                        | 123                  | 180                  | 138                  | 40                   | 10                         | ☹      |
| DC170-12-08.500A1- | 8,5                        |                        | 123                  | 180                  | 138                  | 40                   | 10                         | ☹      |
| DC170-12-08.600A1- | 8,6                        |                        | 123                  | 180                  | 138                  | 40                   | 10                         | ☹      |
| DC170-12-08.700A1- | 8,7                        |                        | 123                  | 180                  | 138                  | 40                   | 10                         | ☹      |
| DC170-12-08.731A1- | 8,731                      | 11/32"                 | 123                  | 180                  | 138                  | 40                   | 10                         | ☹      |
| DC170-12-08.800A1- | 8,8                        |                        | 123                  | 180                  | 138                  | 40                   | 10                         | ☹      |
| DC170-12-09.000A1- | 9                          |                        | 123                  | 180                  | 138                  | 40                   | 10                         | ☹      |
| DC170-12-09.128A1- | 9,128                      | 23/64"                 | 123                  | 180                  | 138                  | 40                   | 10                         | ☹      |
| DC170-12-09.300A1- | 9,3                        |                        | 123                  | 180                  | 138                  | 40                   | 10                         | ☹      |
| DC170-12-09.500A1- | 9,5                        |                        | 123                  | 180                  | 138                  | 40                   | 10                         | ☹      |
| DC170-12-09.525A1- | 9,525                      | 3/8"                   | 123                  | 180                  | 138                  | 40                   | 10                         | ☹      |
| DC170-12-09.600A1- | 9,6                        |                        | 123                  | 180                  | 138                  | 40                   | 10                         | ☹      |
| DC170-12-09.700A1- | 9,7                        |                        | 123                  | 180                  | 138                  | 40                   | 10                         | ☹      |
| DC170-12-09.800A1- | 9,8                        |                        | 123                  | 180                  | 138                  | 40                   | 10                         | ☹      |
| DC170-12-09.922A1- | 9,922                      | 25/64"                 | 123                  | 180                  | 138                  | 40                   | 10                         | ☹      |
| DC170-12-10.000A1- | 10                         |                        | 123                  | 180                  | 138                  | 40                   | 10                         | ☹      |
| DC170-12-10.100A1- | 10,1                       |                        | 140                  | 206                  | 158                  | 45                   | 12                         | ☹      |
| DC170-12-10.200A1- | 10,2                       |                        | 140                  | 206                  | 158                  | 45                   | 12                         | ☹      |
| DC170-12-10.300A1- | 10,3                       |                        | 140                  | 206                  | 158                  | 45                   | 12                         | ☹      |

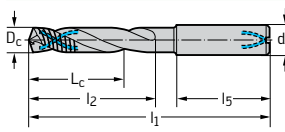
Пример заказа инструмента из сплава WJ30EJ: DC170-12-03.000A1-WJ30EJ

**WALTER  
SELECT**

 ●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☹ → нормальных = ☹ → неблагоприятных = ☹ условий обработки



## Инструмент



DIN 6535 HA

| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub><br>Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30EJ |
|--------------------|----------------------------|---------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC170-12-10.319A1- | 10,319                     | 13/32"                    | 140                  | 206                  | 158                  | 45                   | 12                         | ☺      |
| DC170-12-10.400A1- | 10,4                       |                           | 140                  | 206                  | 158                  | 45                   | 12                         | ☺      |
| DC170-12-10.500A1- | 10,5                       |                           | 140                  | 206                  | 158                  | 45                   | 12                         | ☺      |
| DC170-12-11.000A1- | 11                         |                           | 140                  | 206                  | 158                  | 45                   | 12                         | ☺      |
| DC170-12-11.100A1- | 11,1                       |                           | 140                  | 206                  | 158                  | 45                   | 12                         | ☺      |
| DC170-12-11.113A1- | 11,113                     | 7/16"                     | 140                  | 206                  | 158                  | 45                   | 12                         | ☺      |
| DC170-12-11.200A1- | 11,2                       |                           | 140                  | 206                  | 158                  | 45                   | 12                         | ☺      |
| DC170-12-11.500A1- | 11,5                       |                           | 140                  | 206                  | 158                  | 45                   | 12                         | ☺      |
| DC170-12-11.509A1- | 11,509                     | 29/64"                    | 140                  | 206                  | 158                  | 45                   | 12                         | ☺      |
| DC170-12-11.700A1- | 11,7                       |                           | 140                  | 206                  | 158                  | 45                   | 12                         | ☺      |
| DC170-12-11.800A1- | 11,8                       |                           | 140                  | 206                  | 158                  | 45                   | 12                         | ☺      |
| DC170-12-11.906A1- | 11,906                     | 15/32"                    | 140                  | 206                  | 158                  | 45                   | 12                         | ☺      |
| DC170-12-12.000A1- | 12                         |                           | 140                  | 206                  | 158                  | 45                   | 12                         | ☺      |
| DC170-12-12.200A1- | 12,2                       |                           | 168                  | 230                  | 182                  | 45                   | 14                         | ☺      |
| DC170-12-12.303A1- | 12,303                     | 31/64"                    | 168                  | 230                  | 182                  | 45                   | 14                         | ☺      |
| DC170-12-12.500A1- | 12,5                       |                           | 168                  | 230                  | 182                  | 45                   | 14                         | ☺      |
| DC170-12-12.600A1- | 12,6                       |                           | 168                  | 230                  | 182                  | 45                   | 14                         | ☺      |
| DC170-12-12.700A1- | 12,700                     | 1/2"                      | 168                  | 230                  | 182                  | 45                   | 14                         | ☺      |
| DC170-12-13.000A1- | 13                         |                           | 168                  | 230                  | 182                  | 45                   | 14                         | ☺      |
| DC170-12-13.494A1- | 13,494                     | 17/32"                    | 168                  | 230                  | 182                  | 45                   | 14                         | ☺      |
| DC170-12-13.500A1- | 13,5                       |                           | 168                  | 230                  | 182                  | 45                   | 14                         | ☺      |
| DC170-12-14.000A1- | 14                         |                           | 168                  | 230                  | 182                  | 45                   | 14                         | ☺      |
| DC170-12-14.288A1- | 14,288                     | 9/16"                     | 192                  | 260                  | 208                  | 48                   | 16                         | ☺      |
| DC170-12-14.500A1- | 14,5                       |                           | 192                  | 260                  | 208                  | 48                   | 16                         | ☺      |
| DC170-12-15.000A1- | 15                         |                           | 192                  | 260                  | 208                  | 48                   | 16                         | ☺      |
| DC170-12-15.500A1- | 15,5                       |                           | 192                  | 260                  | 208                  | 48                   | 16                         | ☺      |
| DC170-12-15.875A1- | 15,875                     | 5/8"                      | 192                  | 260                  | 208                  | 48                   | 16                         | ☺      |
| DC170-12-16.000A1- | 16                         |                           | 192                  | 260                  | 208                  | 48                   | 16                         | ☺      |
| DC170-12-16.500A1- | 16,5                       |                           | 216                  | 285                  | 234                  | 48                   | 18                         | ☺      |
| DC170-12-17.000A1- | 17                         |                           | 216                  | 285                  | 234                  | 48                   | 18                         | ☺      |
| DC170-12-17.500A1- | 17,5                       |                           | 216                  | 285                  | 234                  | 48                   | 18                         | ☺      |
| DC170-12-18.000A1- | 18                         |                           | 216                  | 285                  | 234                  | 48                   | 18                         | ☺      |
| DC170-12-19.000A1- | 19                         |                           | 238                  | 310                  | 258                  | 50                   | 20                         | ☺      |
| DC170-12-19.500A1- | 19,5                       |                           | 238                  | 310                  | 258                  | 50                   | 20                         | ☺      |
| DC170-12-20.000A1- | 20                         |                           | 238                  | 310                  | 258                  | 50                   | 20                         | ☺      |

Пример заказа инструмента из сплава WJ30EJ: DC170-12-03.000A1-WJ30EJ

WALTER  
SELECT

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

☺ ☹ ☹ / \* = Новый инструмент

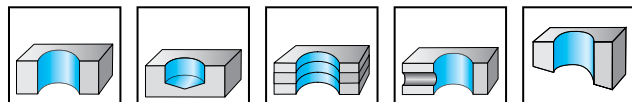
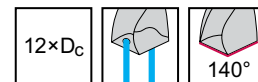
Свёрла твердосплавные с внутренним подводом СОЖ

B 113

# Свёрла твердосплавные с внутренним подводом СОЖ

## DC160 Advance

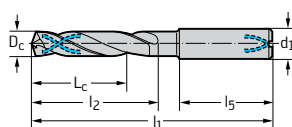
### X-treme Evo



|        |    |   |    |    |    |   |   |
|--------|----|---|----|----|----|---|---|
|        | P  | M | K  | N  | S  | H | O |
| WJ30EU | ●● | ● | ●● | ●● | ●● | ● | ● |

B1

#### Инструмент



DIN 6535 HA

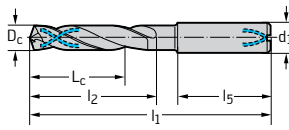
| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30EU |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC160-12-03.000A1- | 3                          |                        | 48                   | 92                   | 54                   | 36                   | 6                          | ☺      |
| DC160-12-03.100A1- | 3,1                        |                        | 48                   | 92                   | 54                   | 36                   | 6                          | ☺      |
| DC160-12-03.175A1- | 3,175                      | 1/8"                   | 48                   | 92                   | 54                   | 36                   | 6                          | ☺      |
| DC160-12-03.200A1- | 3,2                        |                        | 48                   | 92                   | 54                   | 36                   | 6                          | ☺      |
| DC160-12-03.300A1- | 3,3                        |                        | 48                   | 92                   | 54                   | 36                   | 6                          | ☺      |
| DC160-12-03.400A1- | 3,4                        |                        | 48                   | 92                   | 54                   | 36                   | 6                          | ☺      |
| DC160-12-03.500A1- | 3,5                        |                        | 48                   | 92                   | 54                   | 36                   | 6                          | ☺      |
| DC160-12-03.572A1- | 3,572                      | 9/64"                  | 48                   | 92                   | 54                   | 36                   | 6                          | ☺      |
| DC160-12-03.600A1- | 3,6                        |                        | 48                   | 92                   | 54                   | 36                   | 6                          | ☺      |
| DC160-12-03.700A1- | 3,7                        |                        | 48                   | 92                   | 54                   | 36                   | 6                          | ☺      |
| DC160-12-03.800A1- | 3,8                        |                        | 56                   | 102                  | 64                   | 36                   | 6                          | ☺      |
| DC160-12-03.900A1- | 3,9                        |                        | 56                   | 102                  | 64                   | 36                   | 6                          | ☺      |
| DC160-12-03.969A1- | 3,969                      | 5/32"                  | 56                   | 102                  | 64                   | 36                   | 6                          | ☺      |
| DC160-12-04.000A1- | 4                          |                        | 56                   | 102                  | 64                   | 36                   | 6                          | ☺      |
| DC160-12-04.100A1- | 4,1                        |                        | 56                   | 102                  | 64                   | 36                   | 6                          | ☺      |
| DC160-12-04.200A1- | 4,2                        |                        | 56                   | 102                  | 64                   | 36                   | 6                          | ☺      |
| DC160-12-04.300A1- | 4,3                        |                        | 56                   | 102                  | 64                   | 36                   | 6                          | ☺      |
| DC160-12-04.366A1- | 4,366                      | 11/64"                 | 56                   | 102                  | 64                   | 36                   | 6                          | ☺      |
| DC160-12-04.400A1- | 4,4                        |                        | 56                   | 102                  | 64                   | 36                   | 6                          | ☺      |
| DC160-12-04.500A1- | 4,5                        |                        | 56                   | 102                  | 64                   | 36                   | 6                          | ☺      |
| DC160-12-04.600A1- | 4,6                        |                        | 56                   | 102                  | 64                   | 36                   | 6                          | ☺      |
| DC160-12-04.700A1- | 4,7                        |                        | 56                   | 102                  | 64                   | 36                   | 6                          | ☺      |
| DC160-12-04.763A1- | 4,763                      | 3/16"                  | 74                   | 121                  | 83                   | 36                   | 6                          | ☺      |
| DC160-12-04.800A1- | 4,8                        |                        | 74                   | 121                  | 83                   | 36                   | 6                          | ☺      |
| DC160-12-04.900A1- | 4,9                        |                        | 74                   | 121                  | 83                   | 36                   | 6                          | ☺      |
| DC160-12-05.000A1- | 5                          |                        | 74                   | 121                  | 83                   | 36                   | 6                          | ☺      |
| DC160-12-05.100A1- | 5,1                        |                        | 74                   | 121                  | 83                   | 36                   | 6                          | ☺      |
| DC160-12-05.159A1- | 5,159                      | 13/64"                 | 74                   | 121                  | 83                   | 36                   | 6                          | ☺      |
| DC160-12-05.200A1- | 5,2                        |                        | 74                   | 121                  | 83                   | 36                   | 6                          | ☺      |
| DC160-12-05.300A1- | 5,3                        |                        | 74                   | 121                  | 83                   | 36                   | 6                          | ☺      |
| DC160-12-05.400A1- | 5,4                        |                        | 74                   | 121                  | 83                   | 36                   | 6                          | ☺      |
| DC160-12-05.500A1- | 5,5                        |                        | 74                   | 121                  | 83                   | 36                   | 6                          | ☺      |
| DC160-12-05.550A1- | 5,55                       |                        | 74                   | 121                  | 83                   | 36                   | 6                          | ☺      |
| DC160-12-05.556A1- | 5,556                      | 7/32"                  | 74                   | 121                  | 83                   | 36                   | 6                          | ☺      |
| DC160-12-05.600A1- | 5,6                        |                        | 74                   | 121                  | 83                   | 36                   | 6                          | ☺      |
| DC160-12-05.700A1- | 5,7                        |                        | 74                   | 121                  | 83                   | 36                   | 6                          | ☺      |

Пример заказа инструмента из сплава WJ30EU: DC160-12-03.000A1-WJ30EU

**WALTER  
SELECT**

 ●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹☹ условий обработки

**Инструмент**



DIN 6535 HA

| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub><br>Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30EU |
|--------------------|----------------------------|---------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC160-12-05.800A1- | 5,8                        |                           | 74                   | 121                  | 83                   | 36                   | 6                          | ☺      |
| DC160-12-05.900A1- | 5,9                        |                           | 74                   | 121                  | 83                   | 36                   | 6                          | ☺      |
| DC160-12-06.000A1- | 6                          |                           | 74                   | 121                  | 83                   | 36                   | 6                          | ☺      |
| DC160-12-06.100A1- | 6,1                        |                           | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
| DC160-12-06.200A1- | 6,2                        |                           | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
| DC160-12-06.300A1- | 6,3                        |                           | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
| DC160-12-06.350A1- | 6,350                      | 1/4"                      | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
| DC160-12-06.400A1- | 6,4                        |                           | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
| DC160-12-06.500A1- | 6,5                        |                           | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
| DC160-12-06.600A1- | 6,6                        |                           | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
| DC160-12-06.700A1- | 6,7                        |                           | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
| DC160-12-06.747A1- | 6,747                      | 17/64"                    | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
| DC160-12-06.800A1- | 6,8                        |                           | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
| DC160-12-06.900A1- | 6,9                        |                           | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
| DC160-12-07.000A1- | 7                          |                           | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
| DC160-12-07.100A1- | 7,1                        |                           | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
| DC160-12-07.144A1- | 7,144                      | 9/32"                     | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
| DC160-12-07.200A1- | 7,2                        |                           | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
| DC160-12-07.300A1- | 7,3                        |                           | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
| DC160-12-07.400A1- | 7,4                        |                           | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
| DC160-12-07.500A1- | 7,5                        |                           | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
| DC160-12-07.541A1- | 7,541                      | 19/64"                    | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
| DC160-12-07.800A1- | 7,8                        |                           | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
| DC160-12-07.900A1- | 7,9                        |                           | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
| DC160-12-07.938A1- | 7,938                      | 5/16"                     | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
| DC160-12-08.000A1- | 8                          |                           | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
| DC160-12-08.100A1- | 8,1                        |                           | 123                  | 180                  | 138                  | 40                   | 10                         | ☺      |
| DC160-12-08.200A1- | 8,2                        |                           | 123                  | 180                  | 138                  | 40                   | 10                         | ☺      |
| DC160-12-08.300A1- | 8,3                        |                           | 123                  | 180                  | 138                  | 40                   | 10                         | ☺      |
| DC160-12-08.400A1- | 8,4                        |                           | 123                  | 180                  | 138                  | 40                   | 10                         | ☺      |
| DC160-12-08.500A1- | 8,5                        |                           | 123                  | 180                  | 138                  | 40                   | 10                         | ☺      |
| DC160-12-08.600A1- | 8,6                        |                           | 123                  | 180                  | 138                  | 40                   | 10                         | ☺      |
| DC160-12-08.700A1- | 8,7                        |                           | 123                  | 180                  | 138                  | 40                   | 10                         | ☺      |
| DC160-12-08.731A1- | 8,731                      | 11/32"                    | 123                  | 180                  | 138                  | 40                   | 10                         | ☺      |
| DC160-12-08.800A1- | 8,8                        |                           | 123                  | 180                  | 138                  | 40                   | 10                         | ☺      |
| DC160-12-09.000A1- | 9                          |                           | 123                  | 180                  | 138                  | 40                   | 10                         | ☺      |
| DC160-12-09.128A1- | 9,128                      | 23/64"                    | 123                  | 180                  | 138                  | 40                   | 10                         | ☺      |
| DC160-12-09.200A1- | 9,2                        |                           | 123                  | 180                  | 138                  | 40                   | 10                         | ☺      |
| DC160-12-09.300A1- | 9,3                        |                           | 123                  | 180                  | 138                  | 40                   | 10                         | ☺      |
| DC160-12-09.500A1- | 9,5                        |                           | 123                  | 180                  | 138                  | 40                   | 10                         | ☺      |
| DC160-12-09.525A1- | 9,525                      | 3/8"                      | 123                  | 180                  | 138                  | 40                   | 10                         | ☺      |
| DC160-12-09.600A1- | 9,6                        |                           | 123                  | 180                  | 138                  | 40                   | 10                         | ☺      |
| DC160-12-09.700A1- | 9,7                        |                           | 123                  | 180                  | 138                  | 40                   | 10                         | ☺      |
| DC160-12-09.800A1- | 9,8                        |                           | 123                  | 180                  | 138                  | 40                   | 10                         | ☺      |
| DC160-12-09.922A1- | 9,922                      | 25/64"                    | 123                  | 180                  | 138                  | 40                   | 10                         | ☺      |
| DC160-12-10.000A1- | 10                         |                           | 123                  | 180                  | 138                  | 40                   | 10                         | ☺      |

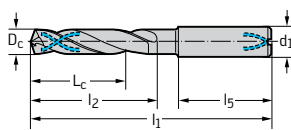
Пример заказа инструмента из сплава WJ30EU: DC160-12-03.000A1-WJ30EU

**WALTER SELECT** ●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки

☺ ☹ ☹☹ / \* = Новый инструмент

B1

## Инструмент



DIN 6535 HA

B1

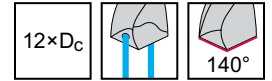
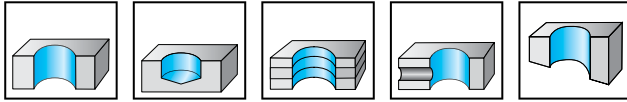
| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub><br>Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30EU |
|--------------------|----------------------------|---------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC160-12-10.100A1- | 10,1                       |                           | 140                  | 206                  | 158                  | 45                   | 12                         | ☹      |
| DC160-12-10.200A1- | 10,2                       |                           | 140                  | 206                  | 158                  | 45                   | 12                         | ☹      |
| DC160-12-10.300A1- | 10,3                       |                           | 140                  | 206                  | 158                  | 45                   | 12                         | ☹      |
| DC160-12-10.319A1- | 10,319                     | 13/32"                    | 140                  | 206                  | 158                  | 45                   | 12                         | ☹      |
| DC160-12-10.400A1- | 10,4                       |                           | 140                  | 206                  | 158                  | 45                   | 12                         | ☹      |
| DC160-12-10.500A1- | 10,5                       |                           | 140                  | 206                  | 158                  | 45                   | 12                         | ☹      |
| DC160-12-10.716A1- | 10,716                     | 27/64"                    | 140                  | 206                  | 158                  | 45                   | 12                         | ☹      |
| DC160-12-10.800A1- | 10,8                       |                           | 140                  | 206                  | 158                  | 45                   | 12                         | ☹      |
| DC160-12-11.000A1- | 11                         |                           | 140                  | 206                  | 158                  | 45                   | 12                         | ☹      |
| DC160-12-11.100A1- | 11,1                       |                           | 140                  | 206                  | 158                  | 45                   | 12                         | ☹      |
| DC160-12-11.113A1- | 11,113                     | 7/16"                     | 140                  | 206                  | 158                  | 45                   | 12                         | ☹      |
| DC160-12-11.200A1- | 11,2                       |                           | 140                  | 206                  | 158                  | 45                   | 12                         | ☹      |
| DC160-12-11.500A1- | 11,5                       |                           | 140                  | 206                  | 158                  | 45                   | 12                         | ☹      |
| DC160-12-11.509A1- | 11,509                     | 29/64"                    | 140                  | 206                  | 158                  | 45                   | 12                         | ☹      |
| DC160-12-11.700A1- | 11,7                       |                           | 140                  | 206                  | 158                  | 45                   | 12                         | ☹      |
| DC160-12-11.800A1- | 11,8                       |                           | 140                  | 206                  | 158                  | 45                   | 12                         | ☹      |
| DC160-12-11.906A1- | 11,906                     | 15/32"                    | 140                  | 206                  | 158                  | 45                   | 12                         | ☹      |
| DC160-12-12.000A1- | 12                         |                           | 140                  | 206                  | 158                  | 45                   | 12                         | ☹      |
| DC160-12-12.100A1- | 12,1                       |                           | 168                  | 230                  | 182                  | 45                   | 14                         | ☹      |
| DC160-12-12.200A1- | 12,2                       |                           | 168                  | 230                  | 182                  | 45                   | 14                         | ☹      |
| DC160-12-12.300A1- | 12,3                       |                           | 168                  | 230                  | 182                  | 45                   | 14                         | ☹      |
| DC160-12-12.303A1- | 12,303                     | 31/64"                    | 168                  | 230                  | 182                  | 45                   | 14                         | ☹      |
| DC160-12-12.500A1- | 12,5                       |                           | 168                  | 230                  | 182                  | 45                   | 14                         | ☹      |
| DC160-12-12.600A1- | 12,6                       |                           | 168                  | 230                  | 182                  | 45                   | 14                         | ☹      |
| DC160-12-12.700A1- | 12,700                     | 1/2"                      | 168                  | 230                  | 182                  | 45                   | 14                         | ☹      |
| DC160-12-13.000A1- | 13                         |                           | 168                  | 230                  | 182                  | 45                   | 14                         | ☹      |
| DC160-12-13.494A1- | 13,494                     | 17/32"                    | 168                  | 230                  | 182                  | 45                   | 14                         | ☹      |
| DC160-12-13.500A1- | 13,5                       |                           | 168                  | 230                  | 182                  | 45                   | 14                         | ☹      |
| DC160-12-14.000A1- | 14                         |                           | 168                  | 230                  | 182                  | 45                   | 14                         | ☹      |
| DC160-12-14.288A1- | 14,288                     | 9/16"                     | 192                  | 260                  | 208                  | 48                   | 16                         | ☹      |
| DC160-12-14.500A1- | 14,5                       |                           | 192                  | 260                  | 208                  | 48                   | 16                         | ☹      |
| DC160-12-15.000A1- | 15                         |                           | 192                  | 260                  | 208                  | 48                   | 16                         | ☹      |
| DC160-12-15.500A1- | 15,5                       |                           | 192                  | 260                  | 208                  | 48                   | 16                         | ☹      |
| DC160-12-15.875A1- | 15,875                     | 5/8"                      | 192                  | 260                  | 208                  | 48                   | 16                         | ☹      |
| DC160-12-16.000A1- | 16                         |                           | 192                  | 260                  | 208                  | 48                   | 16                         | ☹      |
| DC160-12-16.500A1- | 16,5                       |                           | 216                  | 285                  | 234                  | 48                   | 18                         | ☹      |
| DC160-12-17.000A1- | 17                         |                           | 216                  | 285                  | 234                  | 48                   | 18                         | ☹      |
| DC160-12-17.500A1- | 17,5                       |                           | 216                  | 285                  | 234                  | 48                   | 18                         | ☹      |
| DC160-12-18.000A1- | 18                         |                           | 216                  | 285                  | 234                  | 48                   | 18                         | ☹      |
| DC160-12-18.500A1- | 18,5                       |                           | 238                  | 310                  | 258                  | 50                   | 20                         | ☹      |
| DC160-12-19.000A1- | 19                         |                           | 238                  | 310                  | 258                  | 50                   | 20                         | ☹      |
| DC160-12-19.500A1- | 19,5                       |                           | 238                  | 310                  | 258                  | 50                   | 20                         | ☹      |
| DC160-12-20.000A1- | 20                         |                           | 238                  | 310                  | 258                  | 50                   | 20                         | ☹      |

Пример заказа инструмента из сплава WJ30EU: DC160-12-03.000A1-WJ30EU

 WALTER  
SELECT

●● Основная область применения    ● Возможная область применения  
 Оптимально подходит для → хороших = ☹ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

# Свёрла твердосплавные с внутренним подводом СОЖ DC150 Perform



|        |    |   |     |     |     |     |   |
|--------|----|---|-----|-----|-----|-----|---|
|        | P  | M | K   | N   | S   | H   | O |
| WJ30TA | ●● | ● | ●●● | ●●● | ●●● | ●●● | ● |

B1

| Инструмент | Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30TA |
|------------|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
|            | DC150-12-03.000A1- | 3                          |                        | 48                   | 92                   | 54                   | 36                   | 6                          | ☺      |
|            | DC150-12-03.100A1- | 3,1                        |                        | 48                   | 92                   | 54                   | 36                   | 6                          | ☺      |
|            | DC150-12-03.175A1- | 3,175                      | 1/8"                   | 48                   | 92                   | 54                   | 36                   | 6                          | ☺      |
|            | DC150-12-03.200A1- | 3,2                        |                        | 48                   | 92                   | 54                   | 36                   | 6                          | ☺      |
|            | DC150-12-03.300A1- | 3,3                        |                        | 48                   | 92                   | 54                   | 36                   | 6                          | ☺      |
|            | DC150-12-03.400A1- | 3,4                        |                        | 48                   | 92                   | 54                   | 36                   | 6                          | ☺      |
|            | DC150-12-03.500A1- | 3,5                        |                        | 48                   | 92                   | 54                   | 36                   | 6                          | ☺      |
|            | DC150-12-03.572A1- | 3,572                      | 9/64"                  | 48                   | 92                   | 54                   | 36                   | 6                          | ☺      |
|            | DC150-12-03.600A1- | 3,6                        |                        | 48                   | 92                   | 54                   | 36                   | 6                          | ☺      |
|            | DC150-12-03.700A1- | 3,7                        |                        | 48                   | 92                   | 54                   | 36                   | 6                          | ☺      |
|            | DC150-12-03.800A1- | 3,8                        |                        | 56                   | 102                  | 64                   | 36                   | 6                          | ☺      |
|            | DC150-12-03.900A1- | 3,9                        |                        | 56                   | 102                  | 64                   | 36                   | 6                          | ☺      |
|            | DC150-12-03.969A1- | 3,969                      | 5/32"                  | 56                   | 102                  | 64                   | 36                   | 6                          | ☺      |
|            | DC150-12-04.000A1- | 4                          |                        | 56                   | 102                  | 64                   | 36                   | 6                          | ☺      |
|            | DC150-12-04.100A1- | 4,1                        |                        | 56                   | 102                  | 64                   | 36                   | 6                          | ☺      |
|            | DC150-12-04.200A1- | 4,2                        |                        | 56                   | 102                  | 64                   | 36                   | 6                          | ☺      |
|            | DC150-12-04.300A1- | 4,3                        |                        | 56                   | 102                  | 64                   | 36                   | 6                          | ☺      |
|            | DC150-12-04.366A1- | 4,366                      | 11/64"                 | 56                   | 102                  | 64                   | 36                   | 6                          | ☺      |
|            | DC150-12-04.400A1- | 4,4                        |                        | 56                   | 102                  | 64                   | 36                   | 6                          | ☺      |
|            | DC150-12-04.500A1- | 4,5                        |                        | 56                   | 102                  | 64                   | 36                   | 6                          | ☺      |
|            | DC150-12-04.600A1- | 4,6                        |                        | 56                   | 102                  | 64                   | 36                   | 6                          | ☺      |
|            | DC150-12-04.700A1- | 4,7                        |                        | 56                   | 102                  | 64                   | 36                   | 6                          | ☺      |
|            | DC150-12-04.763A1- | 4,763                      | 3/16"                  | 74                   | 121                  | 83                   | 36                   | 6                          | ☺      |
|            | DC150-12-04.800A1- | 4,8                        |                        | 74                   | 121                  | 83                   | 36                   | 6                          | ☺      |
|            | DC150-12-04.900A1- | 4,9                        |                        | 74                   | 121                  | 83                   | 36                   | 6                          | ☺      |
|            | DC150-12-05.000A1- | 5                          |                        | 74                   | 121                  | 83                   | 36                   | 6                          | ☺      |
|            | DC150-12-05.100A1- | 5,1                        |                        | 74                   | 121                  | 83                   | 36                   | 6                          | ☺      |
|            | DC150-12-05.159A1- | 5,159                      | 13/64"                 | 74                   | 121                  | 83                   | 36                   | 6                          | ☺      |
|            | DC150-12-05.200A1- | 5,2                        |                        | 74                   | 121                  | 83                   | 36                   | 6                          | ☺      |
|            | DC150-12-05.300A1- | 5,3                        |                        | 74                   | 121                  | 83                   | 36                   | 6                          | ☺      |
|            | DC150-12-05.400A1- | 5,4                        |                        | 74                   | 121                  | 83                   | 36                   | 6                          | ☺      |
|            | DC150-12-05.500A1- | 5,5                        |                        | 74                   | 121                  | 83                   | 36                   | 6                          | ☺      |
|            | DC150-12-05.550A1- | 5,55                       |                        | 74                   | 121                  | 83                   | 36                   | 6                          | ☺      |
|            | DC150-12-05.556A1- | 5,556                      | 7/32"                  | 74                   | 121                  | 83                   | 36                   | 6                          | ☺      |
|            | DC150-12-05.600A1- | 5,6                        |                        | 74                   | 121                  | 83                   | 36                   | 6                          | ☺      |
|            | DC150-12-05.700A1- | 5,7                        |                        | 74                   | 121                  | 83                   | 36                   | 6                          | ☺      |

Пример заказа инструмента из сплава WJ30TA: DC150-12-03.000A1-WJ30TA

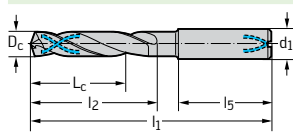
**WALTER SELECT**

●● Основная область применения    ● Возможная область применения

Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

☺ ☹ ☹ / \* = Новый инструмент

## Инструмент



DIN 6535 HA

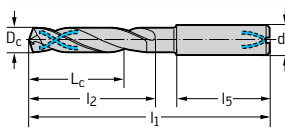
| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub><br>Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30TA |
|--------------------|----------------------------|---------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC150-12-05.800A1- | 5,8                        |                           | 74                   | 121                  | 83                   | 36                   | 6                          | ☹      |
| DC150-12-05.900A1- | 5,9                        |                           | 74                   | 121                  | 83                   | 36                   | 6                          | ☹      |
| DC150-12-06.000A1- | 6                          |                           | 74                   | 121                  | 83                   | 36                   | 6                          | ☹      |
| DC150-12-06.100A1- | 6,1                        |                           | 98                   | 148                  | 110                  | 36                   | 8                          | ☹      |
| DC150-12-06.200A1- | 6,2                        |                           | 98                   | 148                  | 110                  | 36                   | 8                          | ☹      |
| DC150-12-06.300A1- | 6,3                        |                           | 98                   | 148                  | 110                  | 36                   | 8                          | ☹      |
| DC150-12-06.350A1- | 6,350                      | 1/4"                      | 98                   | 148                  | 110                  | 36                   | 8                          | ☹      |
| DC150-12-06.400A1- | 6,4                        |                           | 98                   | 148                  | 110                  | 36                   | 8                          | ☹      |
| DC150-12-06.500A1- | 6,5                        |                           | 98                   | 148                  | 110                  | 36                   | 8                          | ☹      |
| DC150-12-06.600A1- | 6,6                        |                           | 98                   | 148                  | 110                  | 36                   | 8                          | ☹      |
| DC150-12-06.700A1- | 6,7                        |                           | 98                   | 148                  | 110                  | 36                   | 8                          | ☹      |
| DC150-12-06.747A1- | 6,747                      | 17/64"                    | 98                   | 148                  | 110                  | 36                   | 8                          | ☹      |
| DC150-12-06.800A1- | 6,8                        |                           | 98                   | 148                  | 110                  | 36                   | 8                          | ☹      |
| DC150-12-06.900A1- | 6,9                        |                           | 98                   | 148                  | 110                  | 36                   | 8                          | ☹      |
| DC150-12-07.000A1- | 7                          |                           | 98                   | 148                  | 110                  | 36                   | 8                          | ☹      |
| DC150-12-07.100A1- | 7,1                        |                           | 98                   | 148                  | 110                  | 36                   | 8                          | ☹      |
| DC150-12-07.144A1- | 7,144                      | 9/32"                     | 98                   | 148                  | 110                  | 36                   | 8                          | ☹      |
| DC150-12-07.200A1- | 7,2                        |                           | 98                   | 148                  | 110                  | 36                   | 8                          | ☹      |
| DC150-12-07.300A1- | 7,3                        |                           | 98                   | 148                  | 110                  | 36                   | 8                          | ☹      |
| DC150-12-07.400A1- | 7,4                        |                           | 98                   | 148                  | 110                  | 36                   | 8                          | ☹      |
| DC150-12-07.500A1- | 7,5                        |                           | 98                   | 148                  | 110                  | 36                   | 8                          | ☹      |
| DC150-12-07.541A1- | 7,541                      | 19/64"                    | 98                   | 148                  | 110                  | 36                   | 8                          | ☹      |
| DC150-12-07.800A1- | 7,8                        |                           | 98                   | 148                  | 110                  | 36                   | 8                          | ☹      |
| DC150-12-07.900A1- | 7,9                        |                           | 98                   | 148                  | 110                  | 36                   | 8                          | ☹      |
| DC150-12-07.938A1- | 7,938                      | 5/16"                     | 98                   | 148                  | 110                  | 36                   | 8                          | ☹      |
| DC150-12-08.000A1- | 8                          |                           | 98                   | 148                  | 110                  | 36                   | 8                          | ☹      |
| DC150-12-08.100A1- | 8,1                        |                           | 123                  | 180                  | 138                  | 40                   | 10                         | ☹      |
| DC150-12-08.200A1- | 8,2                        |                           | 123                  | 180                  | 138                  | 40                   | 10                         | ☹      |
| DC150-12-08.300A1- | 8,3                        |                           | 123                  | 180                  | 138                  | 40                   | 10                         | ☹      |
| DC150-12-08.400A1- | 8,4                        |                           | 123                  | 180                  | 138                  | 40                   | 10                         | ☹      |
| DC150-12-08.500A1- | 8,5                        |                           | 123                  | 180                  | 138                  | 40                   | 10                         | ☹      |
| DC150-12-08.600A1- | 8,6                        |                           | 123                  | 180                  | 138                  | 40                   | 10                         | ☹      |
| DC150-12-08.700A1- | 8,7                        |                           | 123                  | 180                  | 138                  | 40                   | 10                         | ☹      |
| DC150-12-08.731A1- | 8,731                      | 11/32"                    | 123                  | 180                  | 138                  | 40                   | 10                         | ☹      |
| DC150-12-08.800A1- | 8,8                        |                           | 123                  | 180                  | 138                  | 40                   | 10                         | ☹      |
| DC150-12-09.000A1- | 9                          |                           | 123                  | 180                  | 138                  | 40                   | 10                         | ☹      |
| DC150-12-09.128A1- | 9,128                      | 23/64"                    | 123                  | 180                  | 138                  | 40                   | 10                         | ☹      |
| DC150-12-09.200A1- | 9,2                        |                           | 123                  | 180                  | 138                  | 40                   | 10                         | ☹      |
| DC150-12-09.300A1- | 9,3                        |                           | 123                  | 180                  | 138                  | 40                   | 10                         | ☹      |
| DC150-12-09.500A1- | 9,5                        |                           | 123                  | 180                  | 138                  | 40                   | 10                         | ☹      |
| DC150-12-09.525A1- | 9,525                      | 3/8"                      | 123                  | 180                  | 138                  | 40                   | 10                         | ☹      |
| DC150-12-09.600A1- | 9,6                        |                           | 123                  | 180                  | 138                  | 40                   | 10                         | ☹      |
| DC150-12-09.700A1- | 9,7                        |                           | 123                  | 180                  | 138                  | 40                   | 10                         | ☹      |
| DC150-12-09.800A1- | 9,8                        |                           | 123                  | 180                  | 138                  | 40                   | 10                         | ☹      |
| DC150-12-09.922A1- | 9,922                      | 25/64"                    | 123                  | 180                  | 138                  | 40                   | 10                         | ☹      |
| DC150-12-10.000A1- | 10                         |                           | 123                  | 180                  | 138                  | 40                   | 10                         | ☹      |

Пример заказа инструмента из сплава WJ30TA: DC150-12-03.000A1-WJ30TA

**WALTER  
SELECT**

 ●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☹ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

## Инструмент



DIN 6535 HA

| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30TA |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC150-12-10.100A1- | 10,1                       |                        | 140                  | 206                  | 158                  | 45                   | 12                         | ☺      |
| DC150-12-10.200A1- | 10,2                       |                        | 140                  | 206                  | 158                  | 45                   | 12                         | ☺      |
| DC150-12-10.300A1- | 10,3                       |                        | 140                  | 206                  | 158                  | 45                   | 12                         | ☺      |
| DC150-12-10.319A1- | 10,319                     | 13/32"                 | 140                  | 206                  | 158                  | 45                   | 12                         | ☺      |
| DC150-12-10.500A1- | 10,5                       |                        | 140                  | 206                  | 158                  | 45                   | 12                         | ☺      |
| DC150-12-10.716A1- | 10,716                     | 27/64"                 | 140                  | 206                  | 158                  | 45                   | 12                         | ☺      |
| DC150-12-10.800A1- | 10,8                       |                        | 140                  | 206                  | 158                  | 45                   | 12                         | ☺      |
| DC150-12-11.000A1- | 11                         |                        | 140                  | 206                  | 158                  | 45                   | 12                         | ☺      |
| DC150-12-11.100A1- | 11,1                       |                        | 140                  | 206                  | 158                  | 45                   | 12                         | ☺      |
| DC150-12-11.113A1- | 11,113                     | 7/16"                  | 140                  | 206                  | 158                  | 45                   | 12                         | ☺      |
| DC150-12-11.200A1- | 11,2                       |                        | 140                  | 206                  | 158                  | 45                   | 12                         | ☺      |
| DC150-12-11.500A1- | 11,5                       |                        | 140                  | 206                  | 158                  | 45                   | 12                         | ☺      |
| DC150-12-11.509A1- | 11,509                     | 29/64"                 | 140                  | 206                  | 158                  | 45                   | 12                         | ☺      |
| DC150-12-11.700A1- | 11,7                       |                        | 140                  | 206                  | 158                  | 45                   | 12                         | ☺      |
| DC150-12-11.800A1- | 11,8                       |                        | 140                  | 206                  | 158                  | 45                   | 12                         | ☺      |
| DC150-12-11.906A1- | 11,906                     | 15/32"                 | 140                  | 206                  | 158                  | 45                   | 12                         | ☺      |
| DC150-12-12.000A1- | 12                         |                        | 140                  | 206                  | 158                  | 45                   | 12                         | ☺      |
| DC150-12-12.100A1- | 12,1                       |                        | 168                  | 230                  | 182                  | 45                   | 14                         | ☺      |
| DC150-12-12.200A1- | 12,2                       |                        | 168                  | 230                  | 182                  | 45                   | 14                         | ☺      |
| DC150-12-12.300A1- | 12,3                       |                        | 168                  | 230                  | 182                  | 45                   | 14                         | ☺      |
| DC150-12-12.303A1- | 12,303                     | 31/64"                 | 168                  | 230                  | 182                  | 45                   | 14                         | ☺      |
| DC150-12-12.500A1- | 12,5                       |                        | 168                  | 230                  | 182                  | 45                   | 14                         | ☺      |
| DC150-12-12.600A1- | 12,6                       |                        | 168                  | 230                  | 182                  | 45                   | 14                         | ☺      |
| DC150-12-12.700A1- | 12,700                     | 1/2"                   | 168                  | 230                  | 182                  | 45                   | 14                         | ☺      |
| DC150-12-13.000A1- | 13                         |                        | 168                  | 230                  | 182                  | 45                   | 14                         | ☺      |
| DC150-12-13.494A1- | 13,494                     | 17/32"                 | 168                  | 230                  | 182                  | 45                   | 14                         | ☺      |
| DC150-12-13.500A1- | 13,5                       |                        | 168                  | 230                  | 182                  | 45                   | 14                         | ☺      |
| DC150-12-14.000A1- | 14                         |                        | 168                  | 230                  | 182                  | 45                   | 14                         | ☺      |
| DC150-12-14.288A1- | 14,288                     | 9/16"                  | 192                  | 260                  | 208                  | 48                   | 16                         | ☺      |
| DC150-12-14.500A1- | 14,5                       |                        | 192                  | 260                  | 208                  | 48                   | 16                         | ☺      |
| DC150-12-15.000A1- | 15                         |                        | 192                  | 260                  | 208                  | 48                   | 16                         | ☺      |
| DC150-12-15.500A1- | 15,5                       |                        | 192                  | 260                  | 208                  | 48                   | 16                         | ☺      |
| DC150-12-15.875A1- | 15,875                     | 5/8"                   | 192                  | 260                  | 208                  | 48                   | 16                         | ☺      |
| DC150-12-16.000A1- | 16                         |                        | 192                  | 260                  | 208                  | 48                   | 16                         | ☺      |
| DC150-12-16.500A1- | 16,5                       |                        | 216                  | 285                  | 234                  | 48                   | 18                         | ☺      |
| DC150-12-17.000A1- | 17                         |                        | 216                  | 285                  | 234                  | 48                   | 18                         | ☺      |
| DC150-12-17.500A1- | 17,5                       |                        | 216                  | 285                  | 234                  | 48                   | 18                         | ☺      |
| DC150-12-18.000A1- | 18                         |                        | 216                  | 285                  | 234                  | 48                   | 18                         | ☺      |
| DC150-12-19.000A1- | 19                         |                        | 238                  | 310                  | 258                  | 50                   | 20                         | ☺      |
| DC150-12-20.000A1- | 20                         |                        | 238                  | 310                  | 258                  | 50                   | 20                         | ☺      |

Пример заказа инструмента из сплава WJ30TA: DC150-12-03.000A1-WJ30TA

WALTER  
SELECT

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки

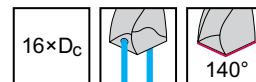
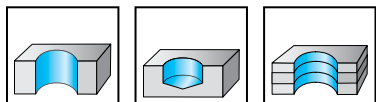
☺ ☹ ☹☹ / \* = Новый инструмент

Свёрла твердосплавные с внутренним подводом СОЖ

B 119

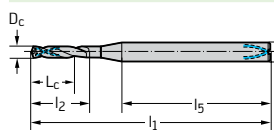
# Свёрла твердосплавные, малоразмерные, с внутренним подводом СОЖ DB133 Supreme

B1



|        |    |    |    |    |   |   |   |
|--------|----|----|----|----|---|---|---|
|        | P  | M  | K  | N  | S | H | O |
| WJ30ER | ●● | ●● | ●● | ●● | ● | ● | ● |

## Инструмент



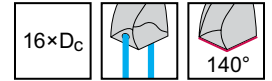
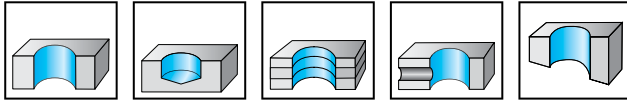
DIN 6535 HA

| Обозначение        | D <sub>c</sub><br>h7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30ER |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DB133-16-02.000A1- | 2                          |                        | 36                   | 81                   | 39                   | 37                   | 3                          | ☺      |
| DB133-16-02.100A1- | 2,1                        |                        | 37                   | 81                   | 41                   | 36                   | 3                          | ☺      |
| DB133-16-02.200A1- | 2,2                        |                        | 39                   | 81                   | 43                   | 34                   | 3                          | ☺      |
| DB133-16-02.300A1- | 2,3                        |                        | 41                   | 87                   | 45                   | 38                   | 3                          | ☺      |
| DB133-16-02.381A1- | 2,381                      | 3/32"                  | 43                   | 87                   | 47                   | 36                   | 3                          | ☺      |
| DB133-16-02.400A1- | 2,4                        |                        | 43                   | 87                   | 47                   | 36                   | 3                          | ☺      |
| DB133-16-02.500A1- | 2,5                        |                        | 45                   | 87                   | 49                   | 34                   | 3                          | ☺      |
| DB133-16-02.600A1- | 2,6                        |                        | 47                   | 95                   | 51                   | 40                   | 3                          | ☺      |
| DB133-16-02.700A1- | 2,7                        |                        | 48                   | 95                   | 53                   | 39                   | 3                          | ☺      |
| DB133-16-02.778A1- | 2,778                      | 7/64"                  | 50                   | 95                   | 55                   | 37                   | 3                          | ☺      |
| DB133-16-02.800A1- | 2,8                        |                        | 50                   | 95                   | 55                   | 37                   | 3                          | ☺      |
| DB133-16-02.900A1- | 2,9                        |                        | 52                   | 95                   | 57                   | 35                   | 3                          | ☺      |

Пример заказа инструмента из сплава WJ30ER: DB133-16-02.000A1-WJ30ER



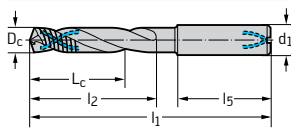
# Свёрла твердосплавные, с внутренним подводом СОЖ DC170 Supreme



|        |    |   |    |   |   |   |   |
|--------|----|---|----|---|---|---|---|
| WJ30EJ | P  | M | K  | N | S | H | O |
|        | ●● |   | ●● |   |   | ● |   |

B1

## Инструмент



DIN 6535 HA

| Обозначение        | D <sub>c</sub><br>h7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30EJ |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC170-16-03.000A1- | 3                          |                        | 52                   | 89                   | 57                   | 28                   | 4                          | ☺      |
| DC170-16-03.175A1- | 3,175                      | 1/8"                   | 60                   | 98                   | 66                   | 28                   | 4                          | ☺      |
| DC170-16-03.500A1- | 3,5                        |                        | 72                   | 110                  | 78                   | 28                   | 4                          | ☺      |
| DC170-16-03.572A1- | 3,572                      | 9/64"                  | 72                   | 110                  | 78                   | 28                   | 4                          | ☺      |
| DC170-16-03.969A1- | 3,969                      | 5/32"                  | 72                   | 110                  | 78                   | 28                   | 4                          | ☺      |
| DC170-16-04.000A1- | 4                          |                        | 72                   | 110                  | 78                   | 28                   | 4                          | ☺      |
| DC170-16-04.500A1- | 4,5                        |                        | 93                   | 132                  | 100                  | 28                   | 5                          | ☺      |
| DC170-16-04.763A1- | 4,763                      | 3/16"                  | 92                   | 132                  | 100                  | 28                   | 5                          | ☺      |
| DC170-16-04.800A1- | 4,8                        |                        | 92                   | 132                  | 100                  | 28                   | 5                          | ☺      |
| DC170-16-05.000A1- | 5                          |                        | 92                   | 132                  | 100                  | 28                   | 5                          | ☺      |
| DC170-16-05.500A1- | 5,5                        |                        | 101                  | 150                  | 110                  | 36                   | 6                          | ☺      |
| DC170-16-05.556A1- | 5,556                      | 7/32"                  | 111                  | 160                  | 120                  | 36                   | 6                          | ☺      |
| DC170-16-05.800A1- | 5,8                        |                        | 111                  | 160                  | 120                  | 36                   | 6                          | ☺      |
| DC170-16-06.000A1- | 6                          |                        | 111                  | 160                  | 120                  | 36                   | 6                          | ☺      |
| DC170-16-06.100A1- | 6,1                        |                        | 124                  | 175                  | 135                  | 36                   | 8                          | ☺      |
| DC170-16-06.350A1- | 6,350                      | 1/4"                   | 124                  | 175                  | 135                  | 36                   | 8                          | ☺      |
| DC170-16-06.500A1- | 6,5                        |                        | 124                  | 175                  | 135                  | 36                   | 8                          | ☺      |
| DC170-16-06.800A1- | 6,8                        |                        | 124                  | 175                  | 135                  | 36                   | 8                          | ☺      |
| DC170-16-07.000A1- | 7                          |                        | 124                  | 175                  | 135                  | 36                   | 8                          | ☺      |
| DC170-16-07.144A1- | 7,144                      | 9/32"                  | 140                  | 192                  | 152                  | 36                   | 8                          | ☺      |
| DC170-16-07.400A1- | 7,4                        |                        | 140                  | 192                  | 152                  | 36                   | 8                          | ☺      |
| DC170-16-07.500A1- | 7,5                        |                        | 140                  | 192                  | 152                  | 36                   | 8                          | ☺      |
| DC170-16-07.938A1- | 7,938                      | 5/16"                  | 140                  | 192                  | 152                  | 36                   | 8                          | ☺      |
| DC170-16-08.000A1- | 8                          |                        | 140                  | 192                  | 152                  | 36                   | 8                          | ☺      |
| DC170-16-08.500A1- | 8,5                        |                        | 148                  | 206                  | 162                  | 40                   | 10                         | ☺      |
| DC170-16-08.731A1- | 8,731                      | 11/32"                 | 148                  | 206                  | 162                  | 40                   | 10                         | ☺      |
| DC170-16-09.000A1- | 9                          |                        | 148                  | 206                  | 162                  | 40                   | 10                         | ☺      |
| DC170-16-09.525A1- | 9,525                      | 3/8"                   | 165                  | 224                  | 180                  | 40                   | 10                         | ☺      |
| DC170-16-09.800A1- | 9,8                        |                        | 165                  | 224                  | 180                  | 40                   | 10                         | ☺      |
| DC170-16-10.000A1- | 10                         |                        | 165                  | 224                  | 180                  | 40                   | 10                         | ☺      |
| DC170-16-10.200A1- | 10,2                       |                        | 181                  | 247                  | 198                  | 45                   | 12                         | ☺      |
| DC170-16-10.319A1- | 10,319                     | 13/32"                 | 181                  | 247                  | 198                  | 45                   | 12                         | ☺      |
| DC170-16-11.000A1- | 11                         |                        | 181                  | 247                  | 198                  | 45                   | 12                         | ☺      |
| DC170-16-11.113A1- | 11,113                     | 7/16"                  | 198                  | 265                  | 216                  | 45                   | 12                         | ☺      |
| DC170-16-11.500A1- | 11,5                       |                        | 198                  | 265                  | 216                  | 45                   | 12                         | ☺      |
| DC170-16-11.800A1- | 11,8                       |                        | 198                  | 265                  | 216                  | 45                   | 12                         | ☺      |

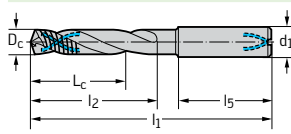
Пример заказа инструмента из сплава WJ30EJ: DC170-16-03.000A1-WJ30EJ

WALTER  
SELECT

●● Основная область применения ● Возможная область применения  
Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условия обработки

☺ ☹ ☹ / \* = Новый инструмент

## Инструмент



DIN 6535 HA

| Обозначение        | D <sub>c</sub><br>h7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30EJ |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC170-16-11.906A1- | 11,906                     | 15/32"                 | 198                  | 265                  | 216                  | 45                   | 12                         | ☺☺     |
| DC170-16-12.000A1- | 12                         |                        | 198                  | 265                  | 216                  | 45                   | 12                         | ☺☺     |
| DC170-16-12.700A1- | 12,700                     | 1/2"                   | 238                  | 301                  | 252                  | 45                   | 14                         | ☺☺     |
| DC170-16-13.000A1- | 13                         |                        | 238                  | 301                  | 252                  | 45                   | 14                         | ☺☺     |
| DC170-16-14.000A1- | 14                         |                        | 238                  | 301                  | 252                  | 45                   | 14                         | ☺☺     |
| DC170-16-14.288A1- | 14,288                     | 9/16"                  | 272                  | 340                  | 288                  | 48                   | 16                         | ☺☺     |
| DC170-16-15.000A1- | 15                         |                        | 272                  | 340                  | 288                  | 48                   | 16                         | ☺☺     |
| DC170-16-16.000A1- | 16                         |                        | 272                  | 340                  | 288                  | 48                   | 16                         | ☺☺     |

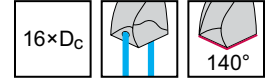
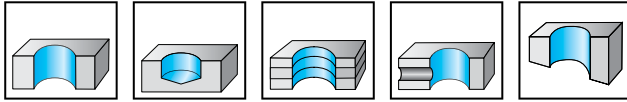
Пример заказа инструмента из сплава WJ30EJ: DC170-16-03.000A1-WJ30EJ

B1

# Свёрла твердосплавные с внутренним подводом СОЖ

## DC160 Advance

### X-treme Evo



|        |    |   |    |    |    |   |   |
|--------|----|---|----|----|----|---|---|
|        | P  | M | K  | N  | S  | H | O |
| WJ30EU | ●● | ● | ●● | ●● | ●● | ● | ● |

B1

| Инструмент | Обозначение        | D <sub>c</sub><br>h7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30EU |
|------------|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
|            | DC160-16-03.000A1- | 3                          |                        | 52                   | 89                   | 57                   | 28                   | 4                          | ☺      |
|            | DC160-16-03.175A1- | 3,175                      | 1/8"                   | 60                   | 98                   | 66                   | 28                   | 4                          | ☺      |
|            | DC160-16-03.500A1- | 3,5                        |                        | 72                   | 110                  | 78                   | 28                   | 4                          | ☺      |
|            | DC160-16-03.572A1- | 3,572                      | 9/64"                  | 72                   | 110                  | 78                   | 28                   | 4                          | ☺      |
|            | DC160-16-03.969A1- | 3,969                      | 5/32"                  | 72                   | 110                  | 78                   | 28                   | 4                          | ☺      |
|            | DC160-16-04.000A1- | 4                          |                        | 72                   | 110                  | 78                   | 28                   | 4                          | ☺      |
|            | DC160-16-04.500A1- | 4,5                        |                        | 93                   | 132                  | 100                  | 28                   | 5                          | ☺      |
|            | DC160-16-04.763A1- | 4,763                      | 3/16"                  | 92                   | 132                  | 100                  | 28                   | 5                          | ☺      |
|            | DC160-16-04.800A1- | 4,8                        |                        | 92                   | 132                  | 100                  | 28                   | 5                          | ☺      |
|            | DC160-16-05.000A1- | 5                          |                        | 92                   | 132                  | 100                  | 28                   | 5                          | ☺      |
|            | DC160-16-05.500A1- | 5,5                        |                        | 101                  | 150                  | 110                  | 36                   | 6                          | ☺      |
|            | DC160-16-05.556A1- | 5,556                      | 7/32"                  | 111                  | 160                  | 120                  | 36                   | 6                          | ☺      |
|            | DC160-16-05.800A1- | 5,8                        |                        | 111                  | 160                  | 120                  | 36                   | 6                          | ☺      |
|            | DC160-16-06.000A1- | 6                          |                        | 111                  | 160                  | 120                  | 36                   | 6                          | ☺      |
|            | DC160-16-06.100A1- | 6,1                        |                        | 124                  | 175                  | 135                  | 36                   | 8                          | ☺      |
|            | DC160-16-06.350A1- | 6,350                      | 1/4"                   | 124                  | 175                  | 135                  | 36                   | 8                          | ☺      |
|            | DC160-16-06.500A1- | 6,5                        |                        | 124                  | 175                  | 135                  | 36                   | 8                          | ☺      |
|            | DC160-16-06.800A1- | 6,8                        |                        | 124                  | 175                  | 135                  | 36                   | 8                          | ☺      |
|            | DC160-16-07.000A1- | 7                          |                        | 124                  | 175                  | 135                  | 36                   | 8                          | ☺      |
|            | DC160-16-07.144A1- | 7,144                      | 9/32"                  | 140                  | 192                  | 152                  | 36                   | 8                          | ☺      |
|            | DC160-16-07.400A1- | 7,4                        |                        | 140                  | 192                  | 152                  | 36                   | 8                          | ☺      |
|            | DC160-16-07.500A1- | 7,5                        |                        | 140                  | 192                  | 152                  | 36                   | 8                          | ☺      |
|            | DC160-16-07.938A1- | 7,938                      | 5/16"                  | 140                  | 192                  | 152                  | 36                   | 8                          | ☺      |
|            | DC160-16-08.000A1- | 8                          |                        | 140                  | 192                  | 152                  | 36                   | 8                          | ☺      |
|            | DC160-16-08.300A1- | 8,3                        |                        | 148                  | 206                  | 162                  | 40                   | 10                         | ☺      |
|            | DC160-16-08.500A1- | 8,5                        |                        | 148                  | 206                  | 162                  | 40                   | 10                         | ☺      |
|            | DC160-16-08.731A1- | 8,731                      | 11/32"                 | 148                  | 206                  | 162                  | 40                   | 10                         | ☺      |
|            | DC160-16-09.000A1- | 9                          |                        | 148                  | 206                  | 162                  | 40                   | 10                         | ☺      |
|            | DC160-16-09.525A1- | 9,525                      | 3/8"                   | 165                  | 224                  | 180                  | 40                   | 10                         | ☺      |
|            | DC160-16-09.800A1- | 9,8                        |                        | 165                  | 224                  | 180                  | 40                   | 10                         | ☺      |
|            | DC160-16-10.000A1- | 10                         |                        | 165                  | 224                  | 180                  | 40                   | 10                         | ☺      |
|            | DC160-16-10.200A1- | 10,2                       |                        | 181                  | 247                  | 198                  | 45                   | 12                         | ☺      |
|            | DC160-16-10.319A1- | 10,319                     | 13/32"                 | 181                  | 247                  | 198                  | 45                   | 12                         | ☺      |
|            | DC160-16-11.000A1- | 11                         |                        | 181                  | 247                  | 198                  | 45                   | 12                         | ☺      |
|            | DC160-16-11.113A1- | 11,113                     | 7/16"                  | 198                  | 265                  | 216                  | 45                   | 12                         | ☺      |
|            | DC160-16-11.500A1- | 11,5                       |                        | 198                  | 265                  | 216                  | 45                   | 12                         | ☺      |

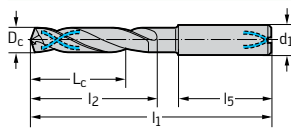
Пример заказа инструмента из сплава WJ30EU: DC160-16-03.000A1-WJ30EU

**WALTER SELECT**

●● Основная область применения    ● Возможная область применения

Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условия обработки

## Инструмент



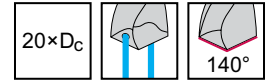
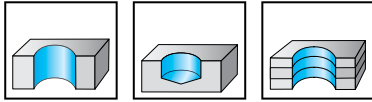
DIN 6535 HA

| Обозначение        | D <sub>c</sub><br>h7<br>mm | D <sub>c</sub><br>Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30EU |
|--------------------|----------------------------|---------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC160-16-11.800A1- | 11,8                       |                           | 198                  | 265                  | 216                  | 45                   | 12                         | ☺      |
| DC160-16-11.906A1- | 11,906                     | 15/32"                    | 198                  | 265                  | 216                  | 45                   | 12                         | ☺      |
| DC160-16-12.000A1- | 12                         |                           | 198                  | 265                  | 216                  | 45                   | 12                         | ☺      |
| DC160-16-12.700A1- | 12,700                     | 1/2"                      | 238                  | 301                  | 252                  | 45                   | 14                         | ☺      |
| DC160-16-13.000A1- | 13                         |                           | 238                  | 301                  | 252                  | 45                   | 14                         | ☺      |
| DC160-16-14.000A1- | 14                         |                           | 238                  | 301                  | 252                  | 45                   | 14                         | ☺      |
| DC160-16-14.288A1- | 14,288                     | 9/16"                     | 272                  | 340                  | 288                  | 48                   | 16                         | ☺      |
| DC160-16-15.000A1- | 15                         |                           | 272                  | 340                  | 288                  | 48                   | 16                         | ☺      |
| DC160-16-16.000A1- | 16                         |                           | 272                  | 340                  | 288                  | 48                   | 16                         | ☺      |

Пример заказа инструмента из сплава WJ30EU: DC160-16-03.000A1-WJ30EU

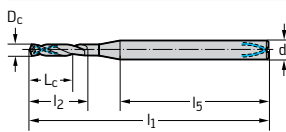
B1

# Свёрла твердосплавные, малоразмерные, с внутренним подводом СОЖ DB133 Supreme



|        |    |    |    |    |   |   |   |
|--------|----|----|----|----|---|---|---|
|        | P  | M  | K  | N  | S | H | O |
| WJ30ER | ●● | ●● | ●● | ●● | ● | ● | ● |

## Инструмент



DIN 6535 HA

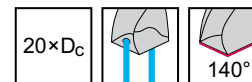
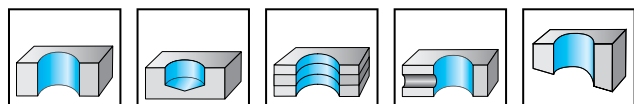
| Обозначение        | D <sub>c</sub><br>h7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30ER |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DB133-20-02.000A1- | 2                          |                        | 44                   | 90                   | 47                   | 38                   | 3                          | ☺      |
| DB133-20-02.100A1- | 2,1                        |                        | 45                   | 90                   | 49                   | 37                   | 3                          | ☺      |
| DB133-20-02.200A1- | 2,2                        |                        | 48                   | 90                   | 52                   | 34                   | 3                          | ☺      |
| DB133-20-02.300A1- | 2,3                        |                        | 50                   | 97                   | 54                   | 39                   | 3                          | ☺      |
| DB133-20-02.381A1- | 2,381                      | 3/32"                  | 52                   | 97                   | 56                   | 37                   | 3                          | ☺      |
| DB133-20-02.400A1- | 2,4                        |                        | 52                   | 97                   | 56                   | 37                   | 3                          | ☺      |
| DB133-20-02.500A1- | 2,5                        |                        | 55                   | 97                   | 59                   | 34                   | 3                          | ☺      |
| DB133-20-02.600A1- | 2,6                        |                        | 57                   | 107                  | 61                   | 42                   | 3                          | ☺      |
| DB133-20-02.700A1- | 2,7                        |                        | 58                   | 107                  | 63                   | 41                   | 3                          | ☺      |
| DB133-20-02.778A1- | 2,778                      | 7/64"                  | 61                   | 107                  | 66                   | 38                   | 3                          | ☺      |
| DB133-20-02.800A1- | 2,8                        |                        | 61                   | 107                  | 66                   | 38                   | 3                          | ☺      |
| DB133-20-02.900A1- | 2,9                        |                        | 63                   | 107                  | 68                   | 36                   | 3                          | ☺      |

Пример заказа инструмента из сплава WJ30ER: DB133-20-02.000A1-WJ30ER

# Свёрла твердосплавные, с внутренним подводом СОЖ

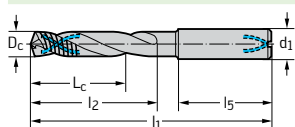
## DC170 Supreme

B1



|        |    |   |    |   |   |   |   |
|--------|----|---|----|---|---|---|---|
|        | P  | M | K  | N | S | H | O |
| WJ30EJ | ●● |   | ●● |   |   | ● |   |

### Инструмент



DIN 6535 HA

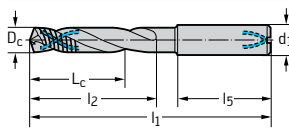
| Обозначение        | D <sub>c</sub><br>h7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30EJ |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC170-20-03.000A1- | 3                          |                        | 60                   | 97                   | 65                   | 28                   | 4                          | ☹      |
| DC170-20-03.175A1- | 3,175                      | 1/8"                   | 74                   | 112                  | 80                   | 28                   | 4                          | ☹      |
| DC170-20-03.500A1- | 3,5                        |                        | 86                   | 124                  | 92                   | 28                   | 4                          | ☹      |
| DC170-20-03.572A1- | 3,572                      | 9/64"                  | 86                   | 124                  | 92                   | 28                   | 4                          | ☹      |
| DC170-20-03.969A1- | 3,969                      | 5/32"                  | 86                   | 124                  | 92                   | 28                   | 4                          | ☹      |
| DC170-20-04.000A1- | 4                          |                        | 86                   | 124                  | 92                   | 28                   | 4                          | ☹      |
| DC170-20-04.500A1- | 4,5                        |                        | 111                  | 150                  | 118                  | 28                   | 5                          | ☹      |
| DC170-20-04.763A1- | 4,763                      | 3/16"                  | 110                  | 150                  | 118                  | 28                   | 5                          | ☹      |
| DC170-20-04.800A1- | 4,8                        |                        | 110                  | 150                  | 118                  | 28                   | 5                          | ☹      |
| DC170-20-05.000A1- | 5                          |                        | 110                  | 150                  | 118                  | 28                   | 5                          | ☹      |
| DC170-20-05.500A1- | 5,5                        |                        | 123                  | 170                  | 132                  | 36                   | 6                          | ☹      |
| DC170-20-05.556A1- | 5,556                      | 7/32"                  | 135                  | 182                  | 144                  | 36                   | 6                          | ☹      |
| DC170-20-05.800A1- | 5,8                        |                        | 135                  | 182                  | 144                  | 36                   | 6                          | ☹      |
| DC170-20-06.000A1- | 6                          |                        | 135                  | 182                  | 144                  | 36                   | 6                          | ☹      |
| DC170-20-06.100A1- | 6,1                        |                        | 151                  | 200                  | 162                  | 36                   | 8                          | ☹      |
| DC170-20-06.350A1- | 6,350                      | 1/4"                   | 151                  | 200                  | 162                  | 36                   | 8                          | ☹      |
| DC170-20-06.500A1- | 6,5                        |                        | 151                  | 200                  | 162                  | 36                   | 8                          | ☹      |
| DC170-20-06.800A1- | 6,8                        |                        | 151                  | 200                  | 162                  | 36                   | 8                          | ☹      |
| DC170-20-07.000A1- | 7                          |                        | 151                  | 200                  | 162                  | 36                   | 8                          | ☹      |
| DC170-20-07.144A1- | 7,144                      | 9/32"                  | 172                  | 222                  | 184                  | 36                   | 8                          | ☹      |
| DC170-20-07.400A1- | 7,4                        |                        | 172                  | 222                  | 184                  | 36                   | 8                          | ☹      |
| DC170-20-07.500A1- | 7,5                        |                        | 172                  | 222                  | 184                  | 36                   | 8                          | ☹      |
| DC170-20-07.938A1- | 7,938                      | 5/16"                  | 172                  | 222                  | 184                  | 36                   | 8                          | ☹      |
| DC170-20-08.000A1- | 8                          |                        | 172                  | 222                  | 184                  | 36                   | 8                          | ☹      |
| DC170-20-08.300A1- | 8,3                        |                        | 184                  | 240                  | 198                  | 40                   | 10                         | ☹      |
| DC170-20-08.500A1- | 8,5                        |                        | 184                  | 240                  | 198                  | 40                   | 10                         | ☹      |
| DC170-20-08.731A1- | 8,731                      | 11/32"                 | 184                  | 240                  | 198                  | 40                   | 10                         | ☹      |
| DC170-20-09.000A1- | 9                          |                        | 184                  | 240                  | 198                  | 40                   | 10                         | ☹      |
| DC170-20-09.525A1- | 9,525                      | 3/8"                   | 205                  | 262                  | 220                  | 40                   | 10                         | ☹      |
| DC170-20-09.800A1- | 9,8                        |                        | 205                  | 262                  | 220                  | 40                   | 10                         | ☹      |
| DC170-20-10.000A1- | 10                         |                        | 205                  | 262                  | 220                  | 40                   | 10                         | ☹      |
| DC170-20-10.200A1- | 10,2                       |                        | 225                  | 289                  | 242                  | 45                   | 12                         | ☹      |
| DC170-20-10.319A1- | 10,319                     | 13/32"                 | 225                  | 289                  | 242                  | 45                   | 12                         | ☹      |
| DC170-20-11.000A1- | 11                         |                        | 225                  | 289                  | 242                  | 45                   | 12                         | ☹      |
| DC170-20-11.113A1- | 11,113                     | 7/16"                  | 246                  | 311                  | 264                  | 45                   | 12                         | ☹      |
| DC170-20-11.500A1- | 11,5                       |                        | 246                  | 311                  | 264                  | 45                   | 12                         | ☹      |

Пример заказа инструмента из сплава WJ30EJ: DC170-20-03.000A1-WJ30EJ

**WALTER  
SELECT**

 ●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☹ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

**Инструмент**



DIN 6535 HA

| Обозначение        | D <sub>c</sub><br>h7<br>mm | D <sub>c</sub><br>Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30EJ |
|--------------------|----------------------------|---------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC170-20-11.800A1- | 11,8                       |                           | 246                  | 311                  | 264                  | 45                   | 12                         | ☺      |
| DC170-20-12.000A1- | 12                         |                           | 246                  | 311                  | 264                  | 45                   | 12                         | ☺      |
| DC170-20-12.700A1- | 12,700                     | 1/2"                      | 294                  | 357                  | 308                  | 45                   | 14                         | ☺      |
| DC170-20-13.000A1- | 13                         |                           | 294                  | 357                  | 308                  | 45                   | 14                         | ☺      |
| DC170-20-14.000A1- | 14                         |                           | 294                  | 357                  | 308                  | 45                   | 14                         | ☺      |
| DC170-20-14.288A1- | 14,288                     | 9/16"                     | 336                  | 404                  | 352                  | 48                   | 16                         | ☺      |
| DC170-20-15.000A1- | 15                         |                           | 336                  | 404                  | 352                  | 48                   | 16                         | ☺      |
| DC170-20-16.000A1- | 16                         |                           | 336                  | 404                  | 352                  | 48                   | 16                         | ☺      |

Пример заказа инструмента из сплава WJ30EJ: DC170-20-03.000A1-WJ30EJ

B1

**WALTER SELECT**      ●● Основная область применения      ● Возможная область применения

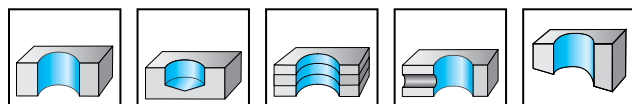
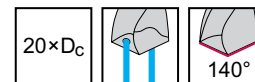
Оптимально подходит для → хороших = ☺      → нормальных = ☹      → неблагоприятных = ☹☹ условий обработки

☺ ☹ ☹☹ / \* = Новый инструмент

# Свёрла твердосплавные с внутренним подводом СОЖ

## DC160 Advance

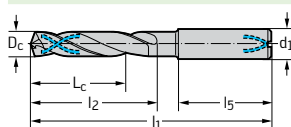
### X-treme Evo



|        |    |   |    |    |    |   |   |
|--------|----|---|----|----|----|---|---|
|        | P  | M | K  | N  | S  | H | O |
| WJ30EU | ●● | ● | ●● | ●● | ●● | ● | ● |

B1

#### Инструмент



DIN 6535 HA

| Обозначение        | D <sub>c</sub><br>h7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30EU |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC160-20-03.000A1- | 3                          |                        | 60                   | 97                   | 65                   | 28                   | 4                          | ☺      |
| DC160-20-03.175A1- | 3,175                      | 1/8"                   | 74                   | 112                  | 80                   | 28                   | 4                          | ☺      |
| DC160-20-03.500A1- | 3,5                        |                        | 86                   | 124                  | 92                   | 28                   | 4                          | ☺      |
| DC160-20-03.572A1- | 3,572                      | 9/64"                  | 86                   | 124                  | 92                   | 28                   | 4                          | ☺      |
| DC160-20-03.969A1- | 3,969                      | 5/32"                  | 86                   | 124                  | 92                   | 28                   | 4                          | ☺      |
| DC160-20-04.000A1- | 4                          |                        | 86                   | 124                  | 92                   | 28                   | 4                          | ☺      |
| DC160-20-04.500A1- | 4,5                        |                        | 111                  | 150                  | 118                  | 28                   | 5                          | ☺      |
| DC160-20-04.763A1- | 4,763                      | 3/16"                  | 110                  | 150                  | 118                  | 28                   | 5                          | ☺      |
| DC160-20-04.800A1- | 4,8                        |                        | 110                  | 150                  | 118                  | 28                   | 5                          | ☺      |
| DC160-20-05.000A1- | 5                          |                        | 110                  | 150                  | 118                  | 28                   | 5                          | ☺      |
| DC160-20-05.500A1- | 5,5                        |                        | 123                  | 170                  | 132                  | 36                   | 6                          | ☺      |
| DC160-20-05.556A1- | 5,556                      | 7/32"                  | 135                  | 182                  | 144                  | 36                   | 6                          | ☺      |
| DC160-20-05.800A1- | 5,8                        |                        | 135                  | 182                  | 144                  | 36                   | 6                          | ☺      |
| DC160-20-06.000A1- | 6                          |                        | 135                  | 182                  | 144                  | 36                   | 6                          | ☺      |
| DC160-20-06.100A1- | 6,1                        |                        | 151                  | 200                  | 162                  | 36                   | 8                          | ☺      |
| DC160-20-06.350A1- | 6,350                      | 1/4"                   | 151                  | 200                  | 162                  | 36                   | 8                          | ☺      |
| DC160-20-06.500A1- | 6,5                        |                        | 151                  | 200                  | 162                  | 36                   | 8                          | ☺      |
| DC160-20-06.800A1- | 6,8                        |                        | 151                  | 200                  | 162                  | 36                   | 8                          | ☺      |
| DC160-20-07.000A1- | 7                          |                        | 151                  | 200                  | 162                  | 36                   | 8                          | ☺      |
| DC160-20-07.144A1- | 7,144                      | 9/32"                  | 172                  | 222                  | 184                  | 36                   | 8                          | ☺      |
| DC160-20-07.400A1- | 7,4                        |                        | 172                  | 222                  | 184                  | 36                   | 8                          | ☺      |
| DC160-20-07.500A1- | 7,5                        |                        | 172                  | 222                  | 184                  | 36                   | 8                          | ☺      |
| DC160-20-07.938A1- | 7,938                      | 5/16"                  | 172                  | 222                  | 184                  | 36                   | 8                          | ☺      |
| DC160-20-08.000A1- | 8                          |                        | 172                  | 222                  | 184                  | 36                   | 8                          | ☺      |
| DC160-20-08.300A1- | 8,3                        |                        | 184                  | 240                  | 198                  | 40                   | 10                         | ☺      |
| DC160-20-08.500A1- | 8,5                        |                        | 184                  | 240                  | 198                  | 40                   | 10                         | ☺      |
| DC160-20-08.731A1- | 8,731                      | 11/32"                 | 184                  | 240                  | 198                  | 40                   | 10                         | ☺      |
| DC160-20-09.000A1- | 9                          |                        | 184                  | 240                  | 198                  | 40                   | 10                         | ☺      |
| DC160-20-09.525A1- | 9,525                      | 3/8"                   | 205                  | 262                  | 220                  | 40                   | 10                         | ☺      |
| DC160-20-09.800A1- | 9,8                        |                        | 205                  | 262                  | 220                  | 40                   | 10                         | ☺      |
| DC160-20-10.000A1- | 10                         |                        | 205                  | 262                  | 220                  | 40                   | 10                         | ☺      |
| DC160-20-10.200A1- | 10,2                       |                        | 225                  | 289                  | 242                  | 45                   | 12                         | ☺      |
| DC160-20-10.319A1- | 10,319                     | 13/32"                 | 225                  | 289                  | 242                  | 45                   | 12                         | ☺      |
| DC160-20-11.000A1- | 11                         |                        | 225                  | 289                  | 242                  | 45                   | 12                         | ☺      |
| DC160-20-11.113A1- | 11,113                     | 7/16"                  | 246                  | 311                  | 264                  | 45                   | 12                         | ☺      |
| DC160-20-11.500A1- | 11,5                       |                        | 246                  | 311                  | 264                  | 45                   | 12                         | ☺      |

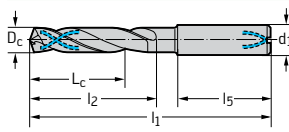
Пример заказа инструмента из сплава WJ30EU: DC160-20-03.000A1-WJ30EU

**WALTER  
SELECT**

●● Основная область применения    ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки



**Инструмент**



DIN 6535 HA

| Обозначение        | D <sub>c</sub><br>h7<br>mm | D <sub>c</sub><br>Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30EU |
|--------------------|----------------------------|---------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC160-20-11.800A1- | 11,8                       |                           | 246                  | 311                  | 264                  | 45                   | 12                         | ☺      |
| DC160-20-11.906A1- | 11,906                     | 15/32"                    | 246                  | 311                  | 264                  | 45                   | 12                         | ☺      |
| DC160-20-12.000A1- | 12                         |                           | 246                  | 311                  | 264                  | 45                   | 12                         | ☺      |
| DC160-20-12.700A1- | 12,700                     | 1/2"                      | 294                  | 357                  | 308                  | 45                   | 14                         | ☺      |
| DC160-20-13.000A1- | 13                         |                           | 294                  | 357                  | 308                  | 45                   | 14                         | ☺      |
| DC160-20-14.000A1- | 14                         |                           | 294                  | 357                  | 308                  | 45                   | 14                         | ☺      |
| DC160-20-14.288A1- | 14,288                     | 9/16"                     | 336                  | 404                  | 352                  | 48                   | 16                         | ☺      |
| DC160-20-15.000A1- | 15                         |                           | 336                  | 404                  | 352                  | 48                   | 16                         | ☺      |
| DC160-20-16.000A1- | 16                         |                           | 336                  | 404                  | 352                  | 48                   | 16                         | ☺      |

Пример заказа инструмента из сплава WJ30EU: DC160-20-03.000A1-WJ30EU

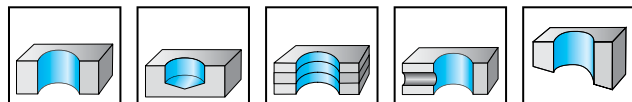
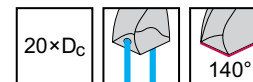
B1

**WALTER SELECT** ●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки

# Свёрла твердосплавные, с внутренним подводом СОЖ

## A6794TFP

### X-treme DH20



|     |    |   |   |   |   |   |   |
|-----|----|---|---|---|---|---|---|
|     | P  | M | K | N | S | H | O |
| TFP | ●● | ● | ● | ● | ● | ● | ● |

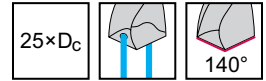
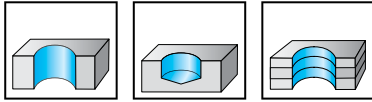
B1

| Инструмент       | Обозначение     | D <sub>c</sub><br>h7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm |
|------------------|-----------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|
| <br>DIN 6535 HA  | A6794TFP-3      | 3                          |                        | 60                   | 107                  | 65                   | 36                   | 6                          |
|                  | A6794TFP-1/8IN  | 3,175                      | 1/8"                   | 86                   | 134                  | 92                   | 36                   | 6                          |
|                  | A6794TFP-3.5    | 3,5                        |                        | 86                   | 134                  | 92                   | 36                   | 6                          |
|                  | A6794TFP-9/64IN | 3,572                      | 9/64"                  | 86                   | 134                  | 92                   | 36                   | 6                          |
|                  | A6794TFP-5/32IN | 3,969                      | 5/32"                  | 86                   | 134                  | 92                   | 36                   | 6                          |
|                  | A6794TFP-4      | 4                          |                        | 86                   | 134                  | 92                   | 36                   | 6                          |
|                  | A6794TFP-4.5    | 4,5                        |                        | 110                  | 158                  | 118                  | 36                   | 6                          |
|                  | A6794TFP-3/16IN | 4,763                      | 3/16"                  | 110                  | 158                  | 118                  | 36                   | 6                          |
|                  | A6794TFP-4.8    | 4,8                        |                        | 110                  | 158                  | 118                  | 36                   | 6                          |
|                  | A6794TFP-5      | 5                          |                        | 110                  | 158                  | 118                  | 36                   | 6                          |
|                  | A6794TFP-5.5    | 5,5                        |                        | 123                  | 170                  | 132                  | 36                   | 6                          |
|                  | A6794TFP-7/32IN | 5,556                      | 7/32"                  | 135                  | 182                  | 144                  | 36                   | 6                          |
|                  | A6794TFP-6      | 6                          |                        | 135                  | 182                  | 144                  | 36                   | 6                          |
|                  | A6794TFP-6.1    | 6,1                        |                        | 151                  | 200                  | 162                  | 36                   | 8                          |
|                  | A6794TFP-1/4IN  | 6,350                      | 1/4"                   | 151                  | 200                  | 162                  | 36                   | 8                          |
|                  | A6794TFP-6.5    | 6,5                        |                        | 151                  | 200                  | 162                  | 36                   | 8                          |
|                  | A6794TFP-6.8    | 6,8                        |                        | 151                  | 200                  | 162                  | 36                   | 8                          |
|                  | A6794TFP-7      | 7                          |                        | 151                  | 200                  | 162                  | 36                   | 8                          |
|                  | A6794TFP-9/32IN | 7,144                      | 9/32"                  | 172                  | 222                  | 184                  | 36                   | 8                          |
|                  | A6794TFP-7.5    | 7,5                        |                        | 172                  | 222                  | 184                  | 36                   | 8                          |
| A6794TFP-5/16IN  | 7,938           | 5/16"                      | 172                    | 222                  | 184                  | 36                   | 8                    |                            |
| A6794TFP-8       | 8               |                            | 172                    | 222                  | 184                  | 36                   | 8                    |                            |
| A6794TFP-8.3     | 8,3             |                            | 184                    | 240                  | 198                  | 40                   | 10                   |                            |
| A6794TFP-8.5     | 8,5             |                            | 184                    | 240                  | 198                  | 40                   | 10                   |                            |
| A6794TFP-11/32IN | 8,731           | 11/32"                     | 184                    | 240                  | 198                  | 40                   | 10                   |                            |
| A6794TFP-9       | 9               |                            | 184                    | 240                  | 198                  | 40                   | 10                   |                            |
| A6794TFP-3/8IN   | 9,525           | 3/8"                       | 205                    | 262                  | 220                  | 40                   | 10                   |                            |
| A6794TFP-9.8     | 9,8             |                            | 205                    | 262                  | 220                  | 40                   | 10                   |                            |
| A6794TFP-10      | 10              |                            | 205                    | 262                  | 220                  | 40                   | 10                   |                            |

**WALTER  
SELECT**

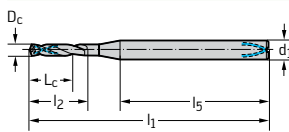
●● Основная область применения    ● Возможная область применения  
 Оптимально подходит для → хороших = 😊 → нормальных = 😐 → неблагоприятных = ☹️ условий обработки

# Свёрла твердосплавные, малоразмерные, с внутренним подводом СОЖ DB133 Supreme



|        |    |    |    |    |   |   |   |
|--------|----|----|----|----|---|---|---|
|        | P  | M  | K  | N  | S | H | O |
| WJ30ER | ●● | ●● | ●● | ●● | ● | ● | ● |

## Инструмент



DIN 6535 HA

| Обозначение        | D <sub>c</sub><br>h7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30ER |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DB133-25-02.000A1- | 2                          |                        | 54                   | 101                  | 57                   | 39                   | 3                          | ☺      |
| DB133-25-02.100A1- | 2,1                        |                        | 56                   | 101                  | 60                   | 37                   | 3                          | ☺      |
| DB133-25-02.200A1- | 2,2                        |                        | 59                   | 101                  | 63                   | 34                   | 3                          | ☺      |
| DB133-25-02.300A1- | 2,3                        |                        | 62                   | 107                  | 66                   | 37                   | 3                          | ☺      |
| DB133-25-02.381A1- | 2,381                      | 3/32"                  | 64                   | 107                  | 68                   | 35                   | 3                          | ☺      |
| DB133-25-02.400A1- | 2,4                        |                        | 64                   | 107                  | 68                   | 35                   | 3                          | ☺      |
| DB133-25-02.500A1- | 2,5                        |                        | 67                   | 107                  | 71                   | 32                   | 3                          | ☺      |
| DB133-25-02.600A1- | 2,6                        |                        | 70                   | 122                  | 74                   | 44                   | 3                          | ☺      |
| DB133-25-02.700A1- | 2,7                        |                        | 72                   | 122                  | 77                   | 41                   | 3                          | ☺      |
| DB133-25-02.778A1- | 2,778                      | 7/64"                  | 75                   | 122                  | 80                   | 38                   | 3                          | ☺      |
| DB133-25-02.800A1- | 2,8                        |                        | 75                   | 122                  | 80                   | 38                   | 3                          | ☺      |
| DB133-25-02.900A1- | 2,9                        |                        | 78                   | 122                  | 83                   | 36                   | 3                          | ☺      |

Пример заказа инструмента из сплава WJ30ER: DB133-25-02.000A1-WJ30ER

**WALTER SELECT**

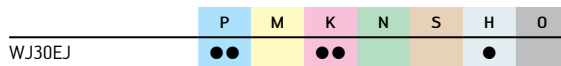
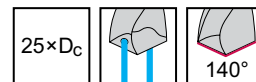
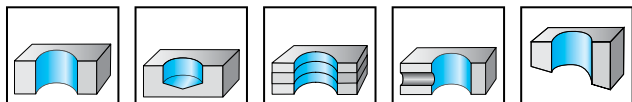
●● Основная область применения    ● Возможная область применения

Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹\* условий обработки

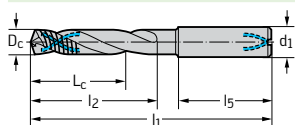
# Свёрла твердосплавные, с внутренним подводом СОЖ

## DC170 Supreme

B1



### Инструмент



DIN 6535 HA

| Обозначение        | D <sub>c</sub><br>h7<br>mm | D <sub>c</sub><br>Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30EJ |
|--------------------|----------------------------|---------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC170-25-03.000A1- | 3                          |                           | 79                   | 119                  | 84                   | 28                   | 4                          | ☺      |
| DC170-25-03.175A1- | 3,175                      | 1/8"                      | 96                   | 148                  | 102                  | 28                   | 4                          | ☺      |
| DC170-25-03.500A1- | 3,5                        |                           | 108                  | 148                  | 114                  | 28                   | 4                          | ☺      |
| DC170-25-03.572A1- | 3,572                      | 9/64"                     | 108                  | 148                  | 114                  | 28                   | 4                          | ☺      |
| DC170-25-03.969A1- | 3,969                      | 5/32"                     | 108                  | 148                  | 114                  | 28                   | 4                          | ☺      |
| DC170-25-04.000A1- | 4                          |                           | 108                  | 148                  | 114                  | 28                   | 4                          | ☺      |
| DC170-25-04.500A1- | 4,5                        |                           | 138                  | 177                  | 145                  | 28                   | 5                          | ☺      |
| DC170-25-04.763A1- | 4,763                      | 3/16"                     | 137                  | 177                  | 145                  | 28                   | 5                          | ☺      |
| DC170-25-04.800A1- | 4,8                        |                           | 137                  | 177                  | 145                  | 28                   | 5                          | ☺      |
| DC170-25-05.000A1- | 5                          |                           | 137                  | 177                  | 145                  | 28                   | 5                          | ☺      |
| DC170-25-05.500A1- | 5,5                        |                           | 151                  | 200                  | 160                  | 36                   | 6                          | ☺      |
| DC170-25-05.556A1- | 5,556                      | 7/32"                     | 165                  | 214                  | 174                  | 36                   | 6                          | ☺      |
| DC170-25-06.000A1- | 6                          |                           | 165                  | 214                  | 174                  | 36                   | 6                          | ☺      |
| DC170-25-06.350A1- | 6,350                      | 1/4"                      | 183                  | 234                  | 194                  | 36                   | 8                          | ☺      |
| DC170-25-06.500A1- | 6,5                        |                           | 183                  | 234                  | 194                  | 36                   | 8                          | ☺      |
| DC170-25-06.800A1- | 6,8                        |                           | 183                  | 234                  | 194                  | 36                   | 8                          | ☺      |
| DC170-25-07.000A1- | 7                          |                           | 183                  | 234                  | 194                  | 36                   | 8                          | ☺      |
| DC170-25-07.144A1- | 7,144                      | 9/32"                     | 208                  | 260                  | 220                  | 36                   | 8                          | ☺      |
| DC170-25-07.938A1- | 7,938                      | 5/16"                     | 208                  | 260                  | 220                  | 36                   | 8                          | ☺      |
| DC170-25-08.000A1- | 8                          |                           | 208                  | 260                  | 220                  | 36                   | 8                          | ☺      |
| DC170-25-08.500A1- | 8,5                        |                           | 229                  | 289                  | 243                  | 40                   | 10                         | ☺      |
| DC170-25-08.731A1- | 8,731                      | 11/32"                    | 229                  | 289                  | 243                  | 40                   | 10                         | ☺      |
| DC170-25-09.000A1- | 9                          |                           | 229                  | 289                  | 243                  | 40                   | 10                         | ☺      |
| DC170-25-09.525A1- | 9,525                      | 3/8"                      | 255                  | 314                  | 270                  | 40                   | 10                         | ☺      |
| DC170-25-10.000A1- | 10                         |                           | 255                  | 314                  | 270                  | 40                   | 10                         | ☺      |
| DC170-25-10.200A1- | 10,2                       |                           | 280                  | 346                  | 297                  | 45                   | 12                         | ☺      |
| DC170-25-11.000A1- | 11                         |                           | 280                  | 346                  | 297                  | 45                   | 12                         | ☺      |
| DC170-25-11.113A1- | 11,113                     | 7/16"                     | 306                  | 373                  | 324                  | 45                   | 12                         | ☺      |
| DC170-25-12.000A1- | 12                         |                           | 306                  | 373                  | 324                  | 45                   | 12                         | ☺      |

Пример заказа инструмента из сплава WJ30EJ: DC170-25-03.000A1-WJ30EJ

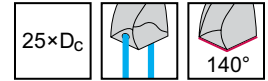
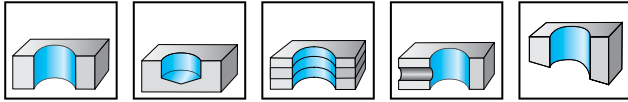
**WALTER  
SELECT**

●● Основная область применения    ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки

# Свёрла твердосплавные с внутренним подводом СОЖ

## DC160 Advance

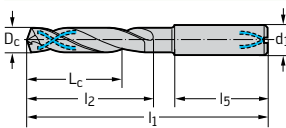
### X-treme Evo



|        |    |   |     |     |     |   |   |
|--------|----|---|-----|-----|-----|---|---|
|        | P  | M | K   | N   | S   | H | O |
| WJ30EU | ●● | ● | ●●● | ●●● | ●●● | ● | ● |

B1

#### Инструмент



DIN 6535 HA

| Обозначение        | D <sub>c</sub><br>h7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30EU |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC160-25-03.000A1- | 3                          |                        | 79                   | 119                  | 84                   | 28                   | 4                          | ☺      |
| DC160-25-03.175A1- | 3,175                      | 1/8"                   | 96                   | 148                  | 102                  | 28                   | 4                          | ☺      |
| DC160-25-03.500A1- | 3,5                        |                        | 108                  | 148                  | 114                  | 28                   | 4                          | ☺      |
| DC160-25-03.572A1- | 3,572                      | 9/64"                  | 108                  | 148                  | 114                  | 28                   | 4                          | ☺      |
| DC160-25-03.969A1- | 3,969                      | 5/32"                  | 108                  | 148                  | 114                  | 28                   | 4                          | ☺      |
| DC160-25-04.000A1- | 4                          |                        | 108                  | 148                  | 114                  | 28                   | 4                          | ☺      |
| DC160-25-04.500A1- | 4,5                        |                        | 138                  | 177                  | 145                  | 28                   | 5                          | ☺      |
| DC160-25-04.763A1- | 4,763                      | 3/16"                  | 137                  | 177                  | 145                  | 28                   | 5                          | ☺      |
| DC160-25-04.800A1- | 4,8                        |                        | 137                  | 177                  | 145                  | 28                   | 5                          | ☺      |
| DC160-25-05.000A1- | 5                          |                        | 137                  | 177                  | 145                  | 28                   | 5                          | ☺      |
| DC160-25-05.500A1- | 5,5                        |                        | 151                  | 200                  | 160                  | 36                   | 6                          | ☺      |
| DC160-25-05.556A1- | 5,556                      | 7/32"                  | 165                  | 214                  | 174                  | 36                   | 6                          | ☺      |
| DC160-25-05.800A1- | 5,8                        |                        | 165                  | 214                  | 174                  | 36                   | 6                          | ☺      |
| DC160-25-06.000A1- | 6                          |                        | 165                  | 214                  | 174                  | 36                   | 6                          | ☺      |
| DC160-25-06.100A1- | 6,1                        |                        | 183                  | 234                  | 194                  | 36                   | 8                          | ☺      |
| DC160-25-06.350A1- | 6,350                      | 1/4"                   | 183                  | 234                  | 194                  | 36                   | 8                          | ☺      |
| DC160-25-06.500A1- | 6,5                        |                        | 183                  | 234                  | 194                  | 36                   | 8                          | ☺      |
| DC160-25-06.800A1- | 6,8                        |                        | 183                  | 234                  | 194                  | 36                   | 8                          | ☺      |
| DC160-25-07.000A1- | 7                          |                        | 183                  | 234                  | 194                  | 36                   | 8                          | ☺      |
| DC160-25-07.144A1- | 7,144                      | 9/32"                  | 208                  | 260                  | 220                  | 36                   | 8                          | ☺      |
| DC160-25-07.400A1- | 7,4                        |                        | 208                  | 260                  | 220                  | 36                   | 8                          | ☺      |
| DC160-25-07.500A1- | 7,5                        |                        | 208                  | 260                  | 220                  | 36                   | 8                          | ☺      |
| DC160-25-07.938A1- | 7,938                      | 5/16"                  | 208                  | 260                  | 220                  | 36                   | 8                          | ☺      |
| DC160-25-08.000A1- | 8                          |                        | 208                  | 260                  | 220                  | 36                   | 8                          | ☺      |
| DC160-25-08.300A1- | 8,3                        |                        | 229                  | 289                  | 243                  | 40                   | 10                         | ☺      |
| DC160-25-08.500A1- | 8,5                        |                        | 229                  | 289                  | 243                  | 40                   | 10                         | ☺      |
| DC160-25-08.731A1- | 8,731                      | 11/32"                 | 229                  | 289                  | 243                  | 40                   | 10                         | ☺      |
| DC160-25-09.000A1- | 9                          |                        | 229                  | 289                  | 243                  | 40                   | 10                         | ☺      |
| DC160-25-09.525A1- | 9,525                      | 3/8"                   | 255                  | 314                  | 270                  | 40                   | 10                         | ☺      |
| DC160-25-09.800A1- | 9,8                        |                        | 255                  | 314                  | 270                  | 40                   | 10                         | ☺      |
| DC160-25-10.000A1- | 10                         |                        | 255                  | 314                  | 270                  | 40                   | 10                         | ☺      |
| DC160-25-10.200A1- | 10,2                       |                        | 280                  | 346                  | 297                  | 45                   | 12                         | ☺      |
| DC160-25-10.319A1- | 10,319                     | 13/32"                 | 280                  | 346                  | 297                  | 45                   | 12                         | ☺      |
| DC160-25-11.000A1- | 11                         |                        | 280                  | 346                  | 297                  | 45                   | 12                         | ☺      |
| DC160-25-11.113A1- | 11,113                     | 7/16"                  | 306                  | 373                  | 324                  | 45                   | 12                         | ☺      |
| DC160-25-11.500A1- | 11,5                       |                        | 306                  | 373                  | 324                  | 45                   | 12                         | ☺      |

Пример заказа инструмента из сплава WJ30EU: DC160-25-03.000A1-WJ30EU

**WALTER  
SELECT**

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

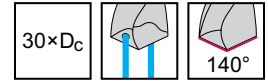
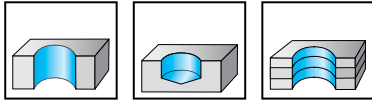
| Инструмент |                    | $D_c$<br>h7<br>mm | $D_c$ Inch/Nr | $L_c$<br>mm | $l_1$<br>mm | $l_2$<br>mm | $l_5$<br>mm | $d_1$<br>h6<br>mm | WJ30EU |
|------------|--------------------|-------------------|---------------|-------------|-------------|-------------|-------------|-------------------|--------|
|            | Обозначение        |                   |               |             |             |             |             |                   |        |
|            | DC160-25-11.800A1- | 11,8              |               | 306         | 373         | 324         | 45          | 12                | ☺☺     |
|            | DC160-25-11.906A1- | 11,906            | 15/32"        | 306         | 373         | 324         | 45          | 12                | ☺☺     |
|            | DC160-25-12.000A1- | 12                |               | 306         | 373         | 324         | 45          | 12                | ☺☺     |

DIN 6535 HA

Пример заказа инструмента из сплава WJ30EU: DC160-25-03.000A1-WJ30EU

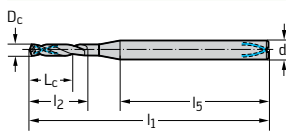
B1

# Свёрла твердосплавные, малоразмерные, с внутренним подводом СОЖ DB133 Supreme



|        |    |    |    |    |   |   |   |
|--------|----|----|----|----|---|---|---|
|        | P  | M  | K  | N  | S | H | O |
| WJ30ER | ●● | ●● | ●● | ●● | ● | ● | ● |

## Инструмент



DIN 6535 HA

| Обозначение        | D <sub>c</sub><br>h7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30ER |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DB133-30-02.000A1- | 2                          |                        | 64                   | 112                  | 67                   | 40                   | 3                          | ☺      |
| DB133-30-02.100A1- | 2,1                        |                        | 66                   | 112                  | 70                   | 38                   | 3                          | ☺      |
| DB133-30-02.200A1- | 2,2                        |                        | 70                   | 112                  | 74                   | 34                   | 3                          | ☺      |
| DB133-30-02.300A1- | 2,3                        |                        | 73                   | 122                  | 77                   | 41                   | 3                          | ☺      |
| DB133-30-02.381A1- | 2,381                      | 3/32"                  | 76                   | 122                  | 80                   | 38                   | 3                          | ☺      |
| DB133-30-02.400A1- | 2,4                        |                        | 76                   | 122                  | 80                   | 38                   | 3                          | ☺      |
| DB133-30-02.500A1- | 2,5                        |                        | 80                   | 122                  | 84                   | 34                   | 3                          | ☺      |
| DB133-30-02.600A1- | 2,6                        |                        | 83                   | 136                  | 87                   | 45                   | 3                          | ☺      |
| DB133-30-02.700A1- | 2,7                        |                        | 85                   | 136                  | 90                   | 42                   | 3                          | ☺      |
| DB133-30-02.778A1- | 2,778                      | 7/64"                  | 89                   | 136                  | 94                   | 38                   | 3                          | ☺      |
| DB133-30-02.800A1- | 2,8                        |                        | 89                   | 136                  | 94                   | 38                   | 3                          | ☺      |
| DB133-30-02.900A1- | 2,9                        |                        | 92                   | 136                  | 97                   | 36                   | 3                          | ☺      |

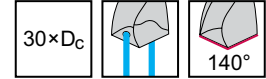
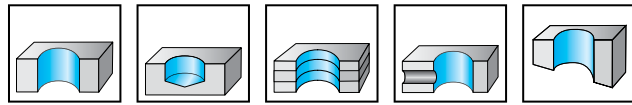
Пример заказа инструмента из сплава WJ30ER: DB133-30-02.000A1-WJ30ER

B1

# Свёрла твердосплавные, с внутренним подводом СОЖ

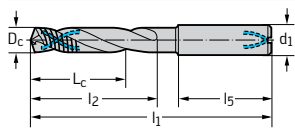
## DC170 Supreme

B1



|        |    |   |    |   |   |   |   |
|--------|----|---|----|---|---|---|---|
|        | P  | M | K  | N | S | H | O |
| WJ30EJ | ●● |   | ●● |   |   | ● |   |

### Инструмент



DIN 6535 HA

| Обозначение        | D <sub>c</sub><br>h7<br>mm | D <sub>c</sub><br>Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30EJ |
|--------------------|----------------------------|---------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC170-30-03.000A1- | 3                          |                           | 92                   | 132                  | 97                   | 28                   | 4                          | ☺      |
| DC170-30-03.175A1- | 3,175                      | 1/8"                      | 114                  | 166                  | 120                  | 28                   | 4                          | ☺      |
| DC170-30-03.500A1- | 3,5                        |                           | 127                  | 166                  | 133                  | 28                   | 4                          | ☺      |
| DC170-30-04.000A1- | 4                          |                           | 127                  | 166                  | 133                  | 28                   | 4                          | ☺      |
| DC170-30-04.500A1- | 4,5                        |                           | 162                  | 200                  | 169                  | 28                   | 5                          | ☺      |
| DC170-30-04.763A1- | 4,763                      | 3/16"                     | 161                  | 200                  | 169                  | 28                   | 5                          | ☺      |
| DC170-30-04.800A1- | 4,8                        |                           | 161                  | 200                  | 169                  | 28                   | 5                          | ☺      |
| DC170-30-05.000A1- | 5                          |                           | 161                  | 200                  | 169                  | 28                   | 5                          | ☺      |
| DC170-30-05.500A1- | 5,5                        |                           | 178                  | 225                  | 187                  | 36                   | 6                          | ☺      |
| DC170-30-06.000A1- | 6                          |                           | 195                  | 242                  | 204                  | 36                   | 6                          | ☺      |
| DC170-30-06.350A1- | 6,350                      | 1/4"                      | 217                  | 268                  | 228                  | 36                   | 8                          | ☺      |
| DC170-30-06.500A1- | 6,5                        |                           | 217                  | 268                  | 228                  | 36                   | 8                          | ☺      |
| DC170-30-06.800A1- | 6,8                        |                           | 217                  | 268                  | 228                  | 36                   | 8                          | ☺      |
| DC170-30-07.000A1- | 7                          |                           | 217                  | 268                  | 228                  | 36                   | 8                          | ☺      |
| DC170-30-07.400A1- | 7,4                        |                           | 244                  | 294                  | 256                  | 36                   | 8                          | ☺      |
| DC170-30-07.938A1- | 7,938                      | 5/16"                     | 244                  | 294                  | 256                  | 36                   | 8                          | ☺      |
| DC170-30-08.000A1- | 8                          |                           | 244                  | 294                  | 256                  | 36                   | 8                          | ☺      |
| DC170-30-08.500A1- | 8,5                        |                           | 273                  | 330                  | 287                  | 40                   | 10                         | ☺      |
| DC170-30-08.731A1- | 8,731                      | 11/32"                    | 273                  | 330                  | 287                  | 40                   | 10                         | ☺      |
| DC170-30-09.000A1- | 9                          |                           | 273                  | 330                  | 287                  | 40                   | 10                         | ☺      |
| DC170-30-09.525A1- | 9,525                      | 3/8"                      | 305                  | 364                  | 320                  | 40                   | 10                         | ☺      |
| DC170-30-10.000A1- | 10                         |                           | 305                  | 364                  | 320                  | 40                   | 10                         | ☺      |
| DC170-30-10.200A1- | 10,2                       |                           | 335                  | 401                  | 352                  | 45                   | 12                         | ☺      |
| DC170-30-11.000A1- | 11                         |                           | 335                  | 401                  | 352                  | 45                   | 12                         | ☺      |
| DC170-30-11.113A1- | 11,113                     | 7/16"                     | 364                  | 430                  | 382                  | 45                   | 12                         | ☺      |
| DC170-30-12.000A1- | 12                         |                           | 364                  | 430                  | 382                  | 45                   | 12                         | ☺      |

Пример заказа инструмента из сплава WJ30EJ: DC170-30-03.000A1-WJ30EJ

**WALTER  
SELECT**

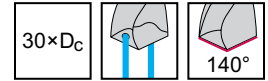
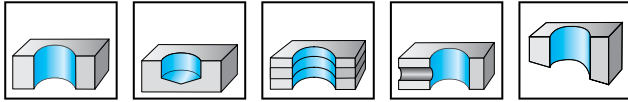
●● Основная область применения    ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки



# Свёрла твердосплавные с внутренним подводом СОЖ

## DC160 Advance

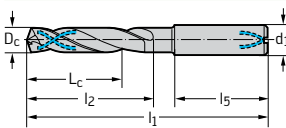
### X-treme Evo



|        |    |   |    |    |    |   |   |
|--------|----|---|----|----|----|---|---|
|        | P  | M | K  | N  | S  | H | O |
| WJ30EU | ●● | ● | ●● | ●● | ●● | ● | ● |

B1

#### Инструмент



DIN 6535 HA

| Обозначение        | D <sub>c</sub><br>h7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30EU |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC160-30-03.000A1- | 3                          |                        | 92                   | 132                  | 97                   | 28                   | 4                          | ☺      |
| DC160-30-03.175A1- | 3,175                      | 1/8"                   | 114                  | 166                  | 120                  | 28                   | 4                          | ☺      |
| DC160-30-03.500A1- | 3,5                        |                        | 127                  | 166                  | 133                  | 28                   | 4                          | ☺      |
| DC160-30-03.572A1- | 3,572                      | 9/64"                  | 127                  | 166                  | 133                  | 28                   | 4                          | ☺      |
| DC160-30-03.969A1- | 3,969                      | 5/32"                  | 127                  | 166                  | 133                  | 28                   | 4                          | ☺      |
| DC160-30-04.000A1- | 4                          |                        | 127                  | 166                  | 133                  | 28                   | 4                          | ☺      |
| DC160-30-04.500A1- | 4,5                        |                        | 162                  | 200                  | 169                  | 28                   | 5                          | ☺      |
| DC160-30-04.763A1- | 4,763                      | 3/16"                  | 161                  | 200                  | 169                  | 28                   | 5                          | ☺      |
| DC160-30-04.800A1- | 4,8                        |                        | 161                  | 200                  | 169                  | 28                   | 5                          | ☺      |
| DC160-30-05.000A1- | 5                          |                        | 161                  | 200                  | 169                  | 28                   | 5                          | ☺      |
| DC160-30-05.500A1- | 5,5                        |                        | 178                  | 225                  | 187                  | 36                   | 6                          | ☺      |
| DC160-30-05.556A1- | 5,556                      | 7/32"                  | 195                  | 242                  | 204                  | 36                   | 6                          | ☺      |
| DC160-30-05.800A1- | 5,8                        |                        | 195                  | 242                  | 204                  | 36                   | 6                          | ☺      |
| DC160-30-06.000A1- | 6                          |                        | 195                  | 242                  | 204                  | 36                   | 6                          | ☺      |
| DC160-30-06.100A1- | 6,1                        |                        | 217                  | 268                  | 228                  | 36                   | 8                          | ☺      |
| DC160-30-06.350A1- | 6,350                      | 1/4"                   | 217                  | 268                  | 228                  | 36                   | 8                          | ☺      |
| DC160-30-06.500A1- | 6,5                        |                        | 217                  | 268                  | 228                  | 36                   | 8                          | ☺      |
| DC160-30-06.800A1- | 6,8                        |                        | 217                  | 268                  | 228                  | 36                   | 8                          | ☺      |
| DC160-30-07.000A1- | 7                          |                        | 217                  | 268                  | 228                  | 36                   | 8                          | ☺      |
| DC160-30-07.144A1- | 7,144                      | 9/32"                  | 244                  | 294                  | 256                  | 36                   | 8                          | ☺      |
| DC160-30-07.400A1- | 7,4                        |                        | 244                  | 294                  | 256                  | 36                   | 8                          | ☺      |
| DC160-30-07.500A1- | 7,5                        |                        | 244                  | 294                  | 256                  | 36                   | 8                          | ☺      |
| DC160-30-07.938A1- | 7,938                      | 5/16"                  | 244                  | 294                  | 256                  | 36                   | 8                          | ☺      |
| DC160-30-08.000A1- | 8                          |                        | 244                  | 294                  | 256                  | 36                   | 8                          | ☺      |
| DC160-30-08.300A1- | 8,3                        |                        | 273                  | 330                  | 287                  | 40                   | 10                         | ☺      |
| DC160-30-08.500A1- | 8,5                        |                        | 273                  | 330                  | 287                  | 40                   | 10                         | ☺      |
| DC160-30-08.731A1- | 8,731                      | 11/32"                 | 273                  | 330                  | 287                  | 40                   | 10                         | ☺      |
| DC160-30-09.000A1- | 9                          |                        | 273                  | 330                  | 287                  | 40                   | 10                         | ☺      |
| DC160-30-09.525A1- | 9,525                      | 3/8"                   | 305                  | 364                  | 320                  | 40                   | 10                         | ☺      |
| DC160-30-09.800A1- | 9,8                        |                        | 305                  | 364                  | 320                  | 40                   | 10                         | ☺      |
| DC160-30-10.000A1- | 10                         |                        | 305                  | 364                  | 320                  | 40                   | 10                         | ☺      |
| DC160-30-10.200A1- | 10,2                       |                        | 335                  | 401                  | 352                  | 45                   | 12                         | ☺      |
| DC160-30-10.319A1- | 10,319                     | 13/32"                 | 335                  | 401                  | 352                  | 45                   | 12                         | ☺      |
| DC160-30-11.000A1- | 11                         |                        | 335                  | 401                  | 352                  | 45                   | 12                         | ☺      |
| DC160-30-11.113A1- | 11,113                     | 7/16"                  | 364                  | 430                  | 382                  | 45                   | 12                         | ☺      |
| DC160-30-11.500A1- | 11,5                       |                        | 364                  | 430                  | 382                  | 45                   | 12                         | ☺      |

Пример заказа инструмента из сплава WJ30EU: DC160-30-03.000A1-WJ30EU

**WALTER  
SELECT**

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

| Инструмент |                    | $D_c$<br>h7<br>mm | $D_c$ Inch/Nr | $L_c$<br>mm | $l_1$<br>mm | $l_2$<br>mm | $l_5$<br>mm | $d_1$<br>h6<br>mm | WJ30EU |
|------------|--------------------|-------------------|---------------|-------------|-------------|-------------|-------------|-------------------|--------|
|            | Обозначение        |                   |               |             |             |             |             |                   |        |
|            | DC160-30-11.800A1- | 11,8              |               | 364         | 430         | 382         | 45          | 12                | ☺      |
|            | DC160-30-11.906A1- | 11,906            | 15/32"        | 364         | 430         | 382         | 45          | 12                | ☹      |
|            | DC160-30-12.000A1- | 12                |               | 364         | 430         | 382         | 45          | 12                | ☹      |

DIN 6535 HA

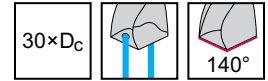
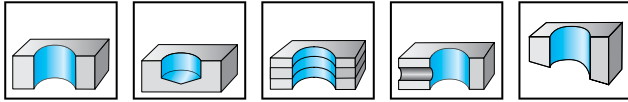
Пример заказа инструмента из сплава WJ30EU: DC160-30-03.000A1-WJ30EU

B1

# Свёрла твердосплавные, с внутренним подводом СОЖ

## A6994TFP

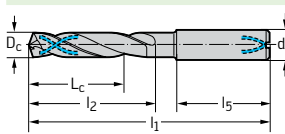
### X-treme DH30



|     |    |   |   |   |   |   |   |
|-----|----|---|---|---|---|---|---|
|     | P  | M | K | N | S | H | O |
| TFP | ●● | ● | ● | ● | ● | ● | ● |

B1

#### Инструмент



DIN 6535 HA

| Обозначение      | D <sub>c</sub><br>h7<br>mm | D <sub>c</sub> inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm |
|------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|
| A6994TFP-3       | 3                          |                        | 92                   | 140                  | 97                   | 36                   | 6                          |
| A6994TFP-1/8IN   | 3,175                      | 1/8"                   | 127                  | 174                  | 133                  | 36                   | 6                          |
| A6994TFP-3.5     | 3,5                        |                        | 127                  | 174                  | 133                  | 36                   | 6                          |
| A6994TFP-9/64IN  | 3,572                      | 9/64"                  | 127                  | 174                  | 133                  | 36                   | 6                          |
| A6994TFP-5/32IN  | 3,969                      | 5/32"                  | 127                  | 174                  | 133                  | 36                   | 6                          |
| A6994TFP-4       | 4                          |                        | 127                  | 174                  | 133                  | 36                   | 6                          |
| A6994TFP-4.5     | 4,5                        |                        | 161                  | 208                  | 169                  | 36                   | 6                          |
| A6994TFP-3/16IN  | 4,763                      | 3/16"                  | 161                  | 208                  | 169                  | 36                   | 6                          |
| A6994TFP-4.8     | 4,8                        |                        | 161                  | 208                  | 169                  | 36                   | 6                          |
| A6994TFP-5       | 5                          |                        | 161                  | 208                  | 169                  | 36                   | 6                          |
| A6994TFP-5.5     | 5,5                        |                        | 178                  | 225                  | 187                  | 36                   | 6                          |
| A6994TFP-7/32IN  | 5,556                      | 7/32"                  | 195                  | 242                  | 204                  | 36                   | 6                          |
| A6994TFP-6       | 6                          |                        | 195                  | 242                  | 204                  | 36                   | 6                          |
| A6994TFP-1/4IN   | 6,350                      | 1/4"                   | 217                  | 268                  | 228                  | 36                   | 8                          |
| A6994TFP-6.5     | 6,5                        |                        | 217                  | 268                  | 228                  | 36                   | 8                          |
| A6994TFP-6.8     | 6,8                        |                        | 217                  | 268                  | 228                  | 36                   | 8                          |
| A6994TFP-7       | 7                          |                        | 217                  | 268                  | 228                  | 36                   | 8                          |
| A6994TFP-8       | 8                          |                        | 244                  | 294                  | 256                  | 36                   | 8                          |
| A6994TFP-8.3     | 8,3                        |                        | 273                  | 330                  | 287                  | 40                   | 10                         |
| A6994TFP-8.5     | 8,5                        |                        | 273                  | 330                  | 287                  | 40                   | 10                         |
| A6994TFP-11/32IN | 8,731                      | 11/32"                 | 273                  | 330                  | 287                  | 40                   | 10                         |
| A6994TFP-9       | 9                          |                        | 273                  | 330                  | 287                  | 40                   | 10                         |
| A6994TFP-10      | 10                         |                        | 305                  | 364                  | 320                  | 40                   | 10                         |

**WALTER  
SELECT**

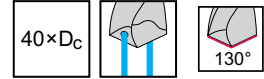
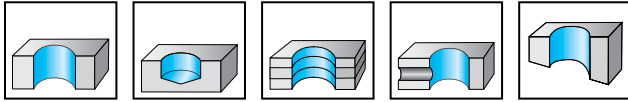
●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

# Свёрла твердосплавные, с внутренним подводом СОЖ

## A7495TTP

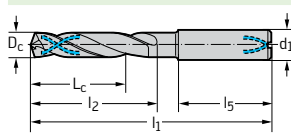
### X-treme D40

B1



|     |    |   |    |    |   |   |   |
|-----|----|---|----|----|---|---|---|
|     | P  | M | K  | N  | S | H | O |
| TTP | ●● | ● | ●● | ●● |   |   |   |

#### Инструмент



DIN 6535 HA

| Обозначение      | D <sub>c</sub><br>e7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm |
|------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|
| A7495TTP-3       | 3                          |                        | 134                  | 172                  | 139                  | 28                   | 4                          |
| A7495TTP-1/8IN   | 3,175                      | 1/8"                   | 134                  | 172                  | 139                  | 28                   | 4                          |
| A7495TTP-3.5     | 3,5                        |                        | 150                  | 188                  | 156                  | 28                   | 4                          |
| A7495TTP-9/64IN  | 3,572                      | 9/64"                  | 150                  | 188                  | 156                  | 28                   | 4                          |
| A7495TTP-5/32IN  | 3,969                      | 5/32"                  | 168                  | 206                  | 174                  | 28                   | 4                          |
| A7495TTP-4       | 4                          |                        | 168                  | 206                  | 174                  | 28                   | 4                          |
| A7495TTP-4.5     | 4,5                        |                        | 188                  | 228                  | 195                  | 28                   | 5                          |
| A7495TTP-3/16IN  | 4,763                      | 3/16"                  | 209                  | 249                  | 217                  | 28                   | 5                          |
| A7495TTP-4.8     | 4,8                        |                        | 209                  | 249                  | 217                  | 28                   | 5                          |
| A7495TTP-5       | 5                          |                        | 209                  | 249                  | 217                  | 28                   | 5                          |
| A7495TTP-5.5     | 5,5                        |                        | 230                  | 279                  | 239                  | 36                   | 6                          |
| A7495TTP-7/32IN  | 5,556                      | 7/32"                  | 248                  | 297                  | 257                  | 36                   | 6                          |
| A7495TTP-5.8     | 5,8                        |                        | 248                  | 297                  | 257                  | 36                   | 6                          |
| A7495TTP-6       | 6                          |                        | 248                  | 297                  | 257                  | 36                   | 6                          |
| A7495TTP-6.1     | 6,1                        |                        | 272                  | 324                  | 282                  | 36                   | 8                          |
| A7495TTP-1/4IN   | 6,350                      | 1/4"                   | 272                  | 324                  | 282                  | 36                   | 8                          |
| A7495TTP-6.5     | 6,5                        |                        | 272                  | 324                  | 282                  | 36                   | 8                          |
| A7495TTP-6.8     | 6,8                        |                        | 287                  | 339                  | 298                  | 36                   | 8                          |
| A7495TTP-7       | 7                          |                        | 287                  | 339                  | 298                  | 36                   | 8                          |
| A7495TTP-9/32IN  | 7,144                      | 9/32"                  | 313                  | 366                  | 325                  | 36                   | 8                          |
| A7495TTP-7.5     | 7,5                        |                        | 313                  | 366                  | 325                  | 36                   | 8                          |
| A7495TTP-5/16IN  | 7,938                      | 5/16"                  | 330                  | 382                  | 342                  | 36                   | 8                          |
| A7495TTP-8       | 8                          |                        | 330                  | 382                  | 342                  | 36                   | 8                          |
| A7495TTP-8.5     | 8,5                        |                        | 356                  | 415                  | 369                  | 40                   | 10                         |
| A7495TTP-11/32IN | 8,731                      | 11/32"                 | 371                  | 430                  | 385                  | 40                   | 10                         |
| A7495TTP-9       | 9                          |                        | 371                  | 430                  | 385                  | 40                   | 10                         |
| A7495TTP-3/8IN   | 9,525                      | 3/8"                   | 418                  | 477                  | 412                  | 40                   | 10                         |
| A7495TTP-9.8     | 9,8                        |                        | 418                  | 477                  | 433                  | 40                   | 10                         |
| A7495TTP-10      | 10                         |                        | 418                  | 477                  | 433                  | 40                   | 10                         |
| A7495TTP-10.2    | 10,2                       |                        | 460                  | 528                  | 477                  | 45                   | 12                         |
| A7495TTP-11      | 11                         |                        | 460                  | 528                  | 477                  | 45                   | 12                         |

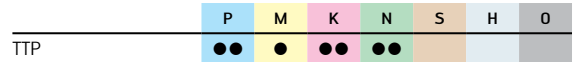
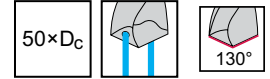
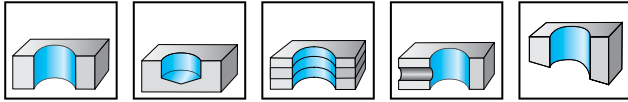
**WALTER  
SELECT**

●● Основная область применения    ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = 😐 → неблагоприятных = ☹️ условий обработки

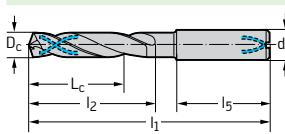
# Свёрла твердосплавные, с внутренним подводом СОЖ

## A7595TTP

### X-treme D50



#### Инструмент



DIN 6535 HA

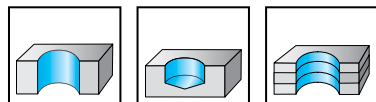
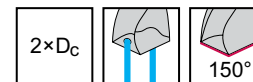
| Обозначение      | D <sub>c</sub><br>e7<br>mm | D <sub>c</sub> inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm |
|------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|
| A7595TTP-3       | 3                          |                        | 166                  | 204                  | 171                  | 28                   | 4                          |
| A7595TTP-1/8IN   | 3,175                      | 1/8"                   | 166                  | 204                  | 171                  | 28                   | 4                          |
| A7595TTP-3.5     | 3,5                        |                        | 186                  | 224                  | 192                  | 28                   | 4                          |
| A7595TTP-9/64IN  | 3,572                      | 9/64"                  | 186                  | 224                  | 192                  | 28                   | 4                          |
| A7595TTP-5/32IN  | 3,969                      | 5/32"                  | 203                  | 239                  | 209                  | 28                   | 4                          |
| A7595TTP-4       | 4                          |                        | 203                  | 239                  | 209                  | 28                   | 4                          |
| A7595TTP-4.5     | 4,5                        |                        | 233                  | 273                  | 240                  | 28                   | 5                          |
| A7595TTP-3/16IN  | 4,763                      | 3/16"                  | 259                  | 299                  | 267                  | 28                   | 5                          |
| A7595TTP-4.8     | 4,8                        |                        | 259                  | 299                  | 267                  | 28                   | 5                          |
| A7595TTP-5       | 5                          |                        | 259                  | 299                  | 267                  | 28                   | 5                          |
| A7595TTP-5.5     | 5,5                        |                        | 285                  | 334                  | 294                  | 36                   | 6                          |
| A7595TTP-7/32IN  | 5,556                      | 7/32"                  | 308                  | 357                  | 317                  | 36                   | 6                          |
| A7595TTP-6       | 6                          |                        | 308                  | 357                  | 317                  | 36                   | 6                          |
| A7595TTP-6.1     | 6,1                        |                        | 337                  | 389                  | 347                  | 36                   | 8                          |
| A7595TTP-1/4IN   | 6,350                      | 1/4"                   | 337                  | 389                  | 347                  | 36                   | 8                          |
| A7595TTP-6.5     | 6,5                        |                        | 337                  | 389                  | 347                  | 36                   | 8                          |
| A7595TTP-6.8     | 6,8                        |                        | 357                  | 409                  | 368                  | 36                   | 8                          |
| A7595TTP-7       | 7                          |                        | 357                  | 409                  | 368                  | 36                   | 8                          |
| A7595TTP-5/16IN  | 7,938                      | 5/16"                  | 410                  | 462                  | 422                  | 36                   | 8                          |
| A7595TTP-8       | 8                          |                        | 410                  | 462                  | 422                  | 36                   | 8                          |
| A7595TTP-8.3     | 8,3                        |                        | 441                  | 500                  | 454                  | 40                   | 10                         |
| A7595TTP-8.5     | 8,5                        |                        | 441                  | 500                  | 454                  | 40                   | 10                         |
| A7595TTP-11/32IN | 8,731                      | 11/32"                 | 466                  | 525                  | 480                  | 40                   | 10                         |
| A7595TTP-9       | 9                          |                        | 466                  | 525                  | 480                  | 40                   | 10                         |

**WALTER  
SELECT**

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условия обработки

# Сверла малоразмерные твердосплавные для пилотных отверстий с внутренним подводом

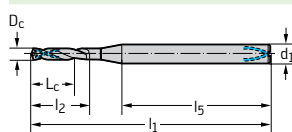
## DB131 Supreme



|        |    |    |    |    |    |   |   |
|--------|----|----|----|----|----|---|---|
|        | P  | M  | K  | N  | S  | H | O |
| WJ30EL | ●● | ●● | ●● | ●● | ●● | ● | ● |

B1

### Инструмент



DIN 6535 HA

| Обозначение        | D <sub>c</sub><br>p7<br>mm | D <sub>c</sub><br>Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30EL |
|--------------------|----------------------------|---------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DB131-02-02.000A1- | 2                          |                           | 7                    | 57                   | 10                   | 42                   | 3                          | ☺      |
| DB131-02-02.050A1- | 2,05                       |                           | 7                    | 57                   | 11                   | 42                   | 3                          | ☺      |
| DB131-02-02.100A1- | 2,1                        |                           | 7                    | 57                   | 11                   | 42                   | 3                          | ☺      |
| DB131-02-02.150A1- | 2,15                       |                           | 7                    | 57                   | 11                   | 42                   | 3                          | ☺      |
| DB131-02-02.200A1- | 2,2                        |                           | 7                    | 57                   | 11                   | 42                   | 3                          | ☺      |
| DB131-02-02.250A1- | 2,25                       |                           | 8                    | 59                   | 12                   | 43                   | 3                          | ☺      |
| DB131-02-02.300A1- | 2,3                        |                           | 8                    | 59                   | 12                   | 43                   | 3                          | ☺      |
| DB131-02-02.350A1- | 2,35                       |                           | 8                    | 59                   | 12                   | 43                   | 3                          | ☺      |
| DB131-02-02.381A1- | 2,381                      | 3/32"                     | 8                    | 59                   | 12                   | 43                   | 3                          | ☺      |
| DB131-02-02.400A1- | 2,4                        |                           | 8                    | 59                   | 12                   | 43                   | 3                          | ☺      |
| DB131-02-02.450A1- | 2,45                       |                           | 9                    | 59                   | 13                   | 42                   | 3                          | ☺      |
| DB131-02-02.500A1- | 2,5                        |                           | 9                    | 59                   | 13                   | 42                   | 3                          | ☺      |
| DB131-02-02.550A1- | 2,55                       |                           | 9                    | 62                   | 13                   | 45                   | 3                          | ☺      |
| DB131-02-02.600A1- | 2,6                        |                           | 9                    | 62                   | 13                   | 45                   | 3                          | ☺      |
| DB131-02-02.650A1- | 2,65                       |                           | 9                    | 62                   | 14                   | 45                   | 3                          | ☺      |
| DB131-02-02.700A1- | 2,7                        |                           | 9                    | 62                   | 14                   | 45                   | 3                          | ☺      |
| DB131-02-02.750A1- | 2,75                       |                           | 9                    | 62                   | 14                   | 45                   | 3                          | ☺      |
| DB131-02-02.778A1- | 2,778                      | 7/64"                     | 9                    | 62                   | 14                   | 45                   | 3                          | ☺      |
| DB131-02-02.800A1- | 2,8                        |                           | 9                    | 62                   | 14                   | 45                   | 3                          | ☺      |
| DB131-02-02.850A1- | 2,85                       |                           | 10                   | 62                   | 15                   | 44                   | 3                          | ☺      |
| DB131-02-02.900A1- | 2,9                        |                           | 10                   | 62                   | 15                   | 44                   | 3                          | ☺      |
| DB131-02-02.950A1- | 2,95                       |                           | 10                   | 62                   | 15                   | 44                   | 3                          | ☺      |

Пример заказа инструмента из сплава WJ30EL: DB131-02-02.000A1-WJ30EL

**WALTER  
SELECT**

●● Основная область применения    ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки

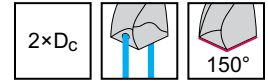
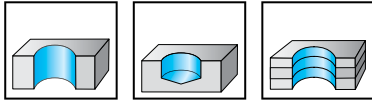
# Свёрла для пилотных отверстий, твердосплавные, с внутренним подводом СОЖ

## A6181TFT

### XD Pilot



– Специальный допуск на режущий диаметр для технологии XD



|     |    |    |    |    |    |   |   |
|-----|----|----|----|----|----|---|---|
|     | P  | M  | K  | N  | S  | H | O |
| TFT | ●● | ●● | ●● | ●● | ●● | ● | ● |

B1

| Инструмент         | Обозначение      | D <sub>c</sub><br>p7<br>mm | D <sub>c</sub> inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm |
|--------------------|------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|
| <p>DIN 6535 HA</p> | A6181TFT-3       | 3                          |                        | 14                   | 66                   | 20                   | 36                   | 6                          |
|                    | A6181TFT-1/8IN   | 3,175                      | 1/8"                   | 14                   | 66                   | 20                   | 36                   | 6                          |
|                    | A6181TFT-3.5     | 3,5                        |                        | 14                   | 66                   | 20                   | 36                   | 6                          |
|                    | A6181TFT-9/64IN  | 3,572                      | 9/64"                  | 14                   | 66                   | 20                   | 36                   | 6                          |
|                    | A6181TFT-5/32IN  | 3,969                      | 5/32"                  | 16                   | 74                   | 24                   | 36                   | 6                          |
|                    | A6181TFT-4       | 4                          |                        | 16                   | 74                   | 24                   | 36                   | 6                          |
|                    | A6181TFT-4.5     | 4,5                        |                        | 16                   | 74                   | 24                   | 36                   | 6                          |
|                    | A6181TFT-3/16IN  | 4,763                      | 3/16"                  | 19                   | 82                   | 28                   | 36                   | 6                          |
|                    | A6181TFT-4.8     | 4,8                        |                        | 19                   | 82                   | 28                   | 36                   | 6                          |
|                    | A6181TFT-5       | 5                          |                        | 19                   | 82                   | 28                   | 36                   | 6                          |
|                    | A6181TFT-5.5     | 5,5                        |                        | 19                   | 82                   | 28                   | 36                   | 6                          |
|                    | A6181TFT-7/32IN  | 5,556                      | 7/32"                  | 19                   | 82                   | 28                   | 36                   | 6                          |
|                    | A6181TFT-5.8     | 5,8                        |                        | 19                   | 82                   | 28                   | 36                   | 6                          |
|                    | A6181TFT-6       | 6                          |                        | 19                   | 82                   | 28                   | 36                   | 6                          |
|                    | A6181TFT-6.1     | 6,1                        |                        | 23                   | 91                   | 34                   | 36                   | 8                          |
|                    | A6181TFT-1/4IN   | 6,350                      | 1/4"                   | 23                   | 91                   | 34                   | 36                   | 8                          |
|                    | A6181TFT-6.5     | 6,5                        |                        | 23                   | 91                   | 34                   | 36                   | 8                          |
|                    | A6181TFT-6.8     | 6,8                        |                        | 23                   | 91                   | 34                   | 36                   | 8                          |
|                    | A6181TFT-7       | 7                          |                        | 23                   | 91                   | 34                   | 36                   | 8                          |
|                    | A6181TFT-9/32IN  | 7,144                      | 9/32"                  | 29                   | 91                   | 41                   | 36                   | 8                          |
|                    | A6181TFT-7.4     | 7,4                        |                        | 29                   | 91                   | 41                   | 36                   | 8                          |
|                    | A6181TFT-7.5     | 7,5                        |                        | 29                   | 91                   | 41                   | 36                   | 8                          |
|                    | A6181TFT-5/16IN  | 7,938                      | 5/16"                  | 29                   | 91                   | 41                   | 36                   | 8                          |
|                    | A6181TFT-8       | 8                          |                        | 29                   | 91                   | 41                   | 36                   | 8                          |
|                    | A6181TFT-8.3     | 8,3                        |                        | 32                   | 103                  | 47                   | 40                   | 10                         |
|                    | A6181TFT-8.5     | 8,5                        |                        | 32                   | 103                  | 47                   | 40                   | 10                         |
|                    | A6181TFT-11/32IN | 8,731                      | 11/32"                 | 32                   | 103                  | 47                   | 40                   | 10                         |
|                    | A6181TFT-9       | 9                          |                        | 32                   | 103                  | 47                   | 40                   | 10                         |
|                    | A6181TFT-3/8IN   | 9,525                      | 3/8"                   | 32                   | 103                  | 47                   | 40                   | 10                         |
|                    | A6181TFT-9.8     | 9,8                        |                        | 32                   | 103                  | 47                   | 40                   | 10                         |
|                    | A6181TFT-10      | 10                         |                        | 32                   | 103                  | 47                   | 40                   | 10                         |
|                    | A6181TFT-10.2    | 10,2                       |                        | 37                   | 118                  | 55                   | 45                   | 12                         |
|                    | A6181TFT-13/32IN | 10,319                     | 13/32"                 | 37                   | 118                  | 55                   | 45                   | 12                         |
| A6181TFT-11        | 11               |                            | 37                     | 118                  | 55                   | 45                   | 12                   |                            |
| A6181TFT-7/16IN    | 11,113           | 7/16"                      | 37                     | 118                  | 55                   | 45                   | 12                   |                            |
| A6181TFT-11.5      | 11,5             |                            | 37                     | 118                  | 55                   | 45                   | 12                   |                            |

WALTER  
SELECT

●● Основная область применения ● Возможная область применения  
Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

| Инструмент         |                  | $D_c$<br>p7<br>mm | $D_c$ Inch/Nr | $L_c$<br>mm | $l_1$<br>mm | $l_2$<br>mm | $l_5$<br>mm | $d_1$<br>h6<br>mm |
|--------------------|------------------|-------------------|---------------|-------------|-------------|-------------|-------------|-------------------|
| <p>DIN 6535 HA</p> | Обозначение      |                   |               |             |             |             |             |                   |
|                    | A6181TFT-11.8    | 11,8              |               | 37          | 118         | 55          | 45          | 12                |
|                    | A6181TFT-15/32IN | 11,906            | 15/32"        | 37          | 118         | 55          | 45          | 12                |
|                    | A6181TFT-12      | 12                |               | 37          | 118         | 55          | 45          | 12                |
|                    | A6181TFT-1/2IN   | 12,700            | 1/2"          | 46          | 124         | 60          | 45          | 14                |
|                    | A6181TFT-13      | 13                |               | 46          | 124         | 60          | 45          | 14                |
|                    | A6181TFT-14      | 14                |               | 46          | 124         | 60          | 45          | 14                |
|                    | A6181TFT-9/16IN  | 14,288            | 9/16"         | 49          | 133         | 65          | 48          | 16                |
|                    | A6181TFT-15      | 15                |               | 49          | 133         | 65          | 48          | 16                |
|                    | A6181TFT-16      | 16                |               | 49          | 133         | 65          | 48          | 16                |

B1

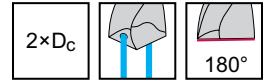
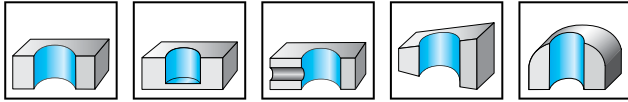


# Твердосплавные спиральные сверла 180°

## DC118 Supreme



– Специальный допуск на режущий диаметр для технологии XD



|        |    |    |    |    |    |   |   |
|--------|----|----|----|----|----|---|---|
|        | P  | M  | K  | N  | S  | H | O |
| WJ30ET | ●● | ●● | ●● | ●● | ●● | ● | ● |

B1

| Инструмент         | Обозначение        | D <sub>c</sub><br>p7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>mm | WJ30ET |
|--------------------|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|--------|
| <p>DIN 6535 HA</p> | DC118-02-03.000A1- | 3                          |                        | 7,8                  | 62                   | 12                   | 42                   | 6                    | ☺      |
|                    | DC118-02-03.175A1- | 3,175                      | 1/8"                   | 7,7                  | 62                   | 12                   | 42                   | 6                    | ☺      |
|                    | DC118-02-03.300A1- | 3,3                        |                        | 7,6                  | 62                   | 12                   | 42                   | 6                    | ☺      |
|                    | DC118-02-03.500A1- | 3,5                        |                        | 8,4                  | 62                   | 13                   | 42                   | 6                    | ☺      |
|                    | DC118-02-03.572A1- | 3,572                      | 9/64"                  | 8,3                  | 62                   | 13                   | 42                   | 6                    | ☺      |
|                    | DC118-02-03.969A1- | 3,969                      | 5/32"                  | 8,9                  | 66                   | 14                   | 42                   | 6                    | ☺      |
|                    | DC118-02-04.000A1- | 4                          |                        | 8,9                  | 66                   | 14                   | 42                   | 6                    | ☺      |
|                    | DC118-02-04.200A1- | 4,2                        |                        | 10,7                 | 66                   | 16                   | 42                   | 6                    | ☺      |
|                    | DC118-02-04.500A1- | 4,5                        |                        | 10,4                 | 66                   | 16                   | 42                   | 6                    | ☺      |
|                    | DC118-02-04.763A1- | 4,763                      | 3/16"                  | 12,2                 | 66                   | 18                   | 42                   | 6                    | ☺      |
|                    | DC118-02-04.800A1- | 4,8                        |                        | 12,1                 | 66                   | 18                   | 42                   | 6                    | ☺      |
|                    | DC118-02-05.000A1- | 5                          |                        | 11,9                 | 66                   | 18                   | 42                   | 6                    | ☺      |
|                    | DC118-02-05.500A1- | 5,5                        |                        | 13,5                 | 66                   | 20                   | 42                   | 6                    | ☺      |
|                    | DC118-02-05.556A1- | 5,556                      | 7/32"                  | 14,4                 | 66                   | 21                   | 42                   | 6                    | ☺      |
|                    | DC118-02-05.800A1- | 5,8                        |                        | 14,2                 | 66                   | 21                   | 42                   | 6                    | ☺      |
|                    | DC118-02-06.000A1- | 6                          |                        | 14                   | 66                   | 21                   | 42                   | 6                    | ☺      |
|                    | DC118-02-06.100A1- | 6,1                        |                        | 15,9                 | 79                   | 23                   | 47                   | 8                    | ☺      |
|                    | DC118-02-06.350A1- | 6,350                      | 1/4"                   | 15,6                 | 79                   | 23                   | 47                   | 8                    | ☺      |
|                    | DC118-02-06.500A1- | 6,5                        |                        | 15,5                 | 79                   | 23                   | 47                   | 8                    | ☺      |
|                    | DC118-02-06.800A1- | 6,8                        |                        | 17,2                 | 79                   | 25                   | 47                   | 8                    | ☺      |
|                    | DC118-02-07.000A1- | 7                          |                        | 17                   | 79                   | 25                   | 47                   | 8                    | ☺      |
|                    | DC118-02-07.144A1- | 7,144                      | 9/32"                  | 19,9                 | 79                   | 28                   | 47                   | 8                    | ☺      |
|                    | DC118-02-07.400A1- | 7,4                        |                        | 19,6                 | 79                   | 28                   | 47                   | 8                    | ☺      |
|                    | DC118-02-07.500A1- | 7,5                        |                        | 19,5                 | 79                   | 28                   | 47                   | 8                    | ☺      |
|                    | DC118-02-07.938A1- | 7,938                      | 5/16"                  | 19,1                 | 79                   | 28                   | 47                   | 8                    | ☺      |
|                    | DC118-02-08.000A1- | 8                          |                        | 19                   | 79                   | 28                   | 47                   | 8                    | ☺      |
|                    | DC118-02-08.300A1- | 8,3                        |                        | 22,8                 | 89                   | 32                   | 50                   | 10                   | ☺      |
|                    | DC118-02-08.500A1- | 8,5                        |                        | 22,6                 | 89                   | 32                   | 50                   | 10                   | ☺      |
|                    | DC118-02-08.731A1- | 8,731                      | 11/32"                 | 22,3                 | 89                   | 32                   | 50                   | 10                   | ☺      |
|                    | DC118-02-09.000A1- | 9                          |                        | 22,1                 | 89                   | 32                   | 50                   | 10                   | ☺      |
|                    | DC118-02-09.525A1- | 9,525                      | 3/8"                   | 24,6                 | 89                   | 35                   | 50                   | 10                   | ☺      |
|                    | DC118-02-09.800A1- | 9,8                        |                        | 24,3                 | 89                   | 35                   | 50                   | 10                   | ☺      |
|                    | DC118-02-10.000A1- | 10                         |                        | 24,1                 | 89                   | 35                   | 50                   | 10                   | ☺      |
| DC118-02-10.200A1- | 10,2               |                            | 29                     | 102                  | 40                   | 52                   | 12                   | ☺                    |        |
| DC118-02-10.319A1- | 10,319             | 13/32"                     | 28,8                   | 102                  | 40                   | 52                   | 12                   | ☺                    |        |
| DC118-02-10.500A1- | 10,5               |                            | 28,7                   | 102                  | 40                   | 52                   | 12                   | ☺                    |        |

Пример заказа инструмента из сплава WJ30ET: DC118-02-03.000A1-WJ30ET

WALTER  
SELECT

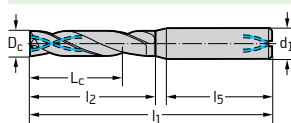
●● Основная область применения ● Возможная область применения  
Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

☺ ☹ ☹ / \* = Новый инструмент

Свёрла твердосплавные с внутренним подводом СОЖ

B 145

## Инструмент



DIN 6535 HA

| Обозначение        | D <sub>c</sub><br>p7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>mm | WJ30ET |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|--------|
| DC118-02-11.000A1- | 11                         |                        | 28,2                 | 102                  | 40                   | 52                   | 12                   | ☺      |
| DC118-02-11.113A1- | 11,113                     | 7/16"                  | 31,1                 | 102                  | 43                   | 52                   | 12                   | ☺      |
| DC118-02-11.500A1- | 11,5                       |                        | 30,8                 | 102                  | 43                   | 52                   | 12                   | ☺      |
| DC118-02-11.800A1- | 11,8                       |                        | 30,5                 | 102                  | 43                   | 52                   | 12                   | ☺      |
| DC118-02-11.906A1- | 11,906                     | 15/32"                 | 30,4                 | 102                  | 43                   | 52                   | 12                   | ☺      |
| DC118-02-12.000A1- | 12                         |                        | 30,3                 | 102                  | 43                   | 52                   | 12                   | ☺      |
| DC118-02-12.500A1- | 12,5                       |                        | 35,9                 | 107                  | 49                   | 52                   | 14                   | ☺      |
| DC118-02-12.700A1- | 12,700                     | 1/2"                   | 35,7                 | 107                  | 49                   | 52                   | 14                   | ☺      |
| DC118-02-13.000A1- | 13                         |                        | 35,5                 | 107                  | 49                   | 52                   | 14                   | ☺      |
| DC118-02-13.500A1- | 13,5                       |                        | 35,1                 | 107                  | 49                   | 52                   | 14                   | ☺      |
| DC118-02-14.000A1- | 14                         |                        | 34,7                 | 107                  | 49                   | 52                   | 14                   | ☺      |
| DC118-02-14.288A1- | 14,288                     | 9/16"                  | 41,4                 | 115                  | 56                   | 53                   | 16                   | ☺      |
| DC118-02-14.500A1- | 14,5                       |                        | 41,3                 | 115                  | 56                   | 53                   | 16                   | ☺      |
| DC118-02-15.000A1- | 15                         |                        | 40,9                 | 115                  | 56                   | 53                   | 16                   | ☺      |
| DC118-02-16.000A1- | 16                         |                        | 40,2                 | 115                  | 56                   | 53                   | 16                   | ☺      |
| DC118-02-17.000A1- | 17                         |                        | 46,5                 | 123                  | 63                   | 53                   | 18                   | ☺      |
| DC118-02-17.500A1- | 17,5                       |                        | 46,2                 | 123                  | 63                   | 53                   | 18                   | ☺      |
| DC118-02-18.000A1- | 18                         |                        | 45,9                 | 123                  | 63                   | 53                   | 18                   | ☺      |
| DC118-02-19.000A1- | 19                         |                        | 52,3                 | 131                  | 70                   | 55                   | 20                   | ☺      |
| DC118-02-20.000A1- | 20                         |                        | 51,9                 | 131                  | 70                   | 55                   | 20                   | ☺      |

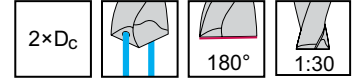
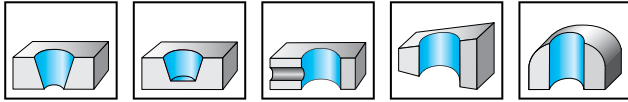
Пример заказа инструмента из сплава WJ30ET: DC118-02-03.000A1-WJ30ET

# Свёрла для пилотных отверстий, твердосплавные, с внутренним подводом СОЖ K5191TFT

## X-treme Pilot 180 C



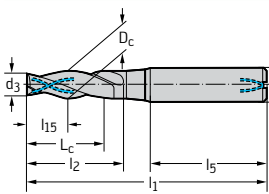
- Для засверливания в наклонные или криволинейные поверхности (напр., коленвалы)
- Конусность 1:30 – для обработки глубокого отверстия без ступеньки



|     |    |    |    |    |    |   |   |
|-----|----|----|----|----|----|---|---|
|     | P  | M  | K  | N  | S  | H | O |
| TFT | ●● | ●● | ●● | ●● | ●● | ● | ● |

### Инструмент

| Обозначение | D <sub>c</sub><br>mm | d <sub>3</sub><br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | l <sub>15</sub><br>mm | d <sub>1</sub><br>h6<br>mm |
|-------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|-----------------------|----------------------------|
| K5191TFT-4  | 4                    | 3,9                  | 10                   | 59                   | 16                   | 36                   | 3                     | 6                          |
| K5191TFT-5  | 5                    | 4,9                  | 11                   | 63                   | 19                   | 36                   | 3                     | 6                          |
| K5191TFT-6  | 6                    | 5,85                 | 13                   | 68                   | 22                   | 36                   | 4,5                   | 8                          |
| K5191TFT-7  | 7                    | 6,85                 | 15                   | 73                   | 26                   | 36                   | 4,5                   | 8                          |



DIN 6535 HA

B1

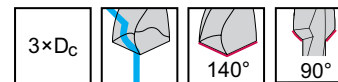
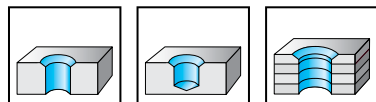
# Свёрла спиральные целные твердосплавные

## DC260 Advance

### X-treme Evo



– Длина ступени по DIN 8378  
– Для отверстий под резьбу



|        |    |   |    |   |   |   |   |
|--------|----|---|----|---|---|---|---|
|        | P  | M | K  | N | S | H | O |
| WJ30ET | ●● |   | ●● | ● | ● | ● | ● |

B1

### Инструмент

| Обозначение        | Для резьбы | D <sub>c</sub><br>m7<br>mm | d <sub>10</sub><br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30ET |
|--------------------|------------|----------------------------|-----------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC260-03-03.300A0- | M 4        | 3,3                        | 5                     | 11                   | 66                   | 28                   | 36                   | 6                          | ●●     |
| DC260-03-04.200A0- | M 5        | 4,2                        | 6                     | 14                   | 66                   | 28                   | 36                   | 6                          | ●●     |
| DC260-03-05.000A0- | M 6        | 5                          | 8                     | 17                   | 79                   | 41                   | 36                   | 8                          | ●●     |
| DC260-03-06.800A0- | M 8        | 6,8                        | 10                    | 21                   | 89                   | 47                   | 40                   | 10                         | ●●     |
| DC260-03-08.500A0- | M 10       | 8,5                        | 12                    | 26                   | 102                  | 55                   | 45                   | 12                         | ●●     |
| DC260-03-10.200A0- | M 12       | 10,2                       | 14                    | 30                   | 107                  | 60                   | 45                   | 14                         | ●●     |
| DC260-03-12.000A0- | M 14       | 12                         | 16                    | 35                   | 115                  | 65                   | 48                   | 16                         | ●●     |
| DC260-03-14.000A0- | M 16       | 14                         | 18                    | 39                   | 123                  | 73                   | 48                   | 18                         | ●●     |
| DC260-03-03.300F0- | M 4        | 3,3                        | 5                     | 11                   | 66                   | 28                   | 36                   | 6                          | ●●     |
| DC260-03-04.200F0- | M 5        | 4,2                        | 6                     | 14                   | 66                   | 28                   | 36                   | 6                          | ●●     |
| DC260-03-05.000F0- | M 6        | 5                          | 8                     | 17                   | 79                   | 41                   | 36                   | 8                          | ●●     |
| DC260-03-06.800F0- | M 8        | 6,8                        | 10                    | 21                   | 89                   | 47                   | 40                   | 10                         | ●●     |
| DC260-03-07.000F0- | M 8 X 1    | 7                          | 10                    | 21                   | 89                   | 47                   | 40                   | 10                         | ●●     |
| DC260-03-08.500F0- | M 10       | 8,5                        | 12                    | 26                   | 102                  | 55                   | 45                   | 12                         | ●●     |
| DC260-03-09.000F0- | M 10 X 1   | 9                          | 12                    | 26                   | 102                  | 55                   | 45                   | 12                         | ●●     |
| DC260-03-10.200F0- | M 12       | 10,2                       | 14                    | 30                   | 107                  | 60                   | 45                   | 14                         | ●●     |
| DC260-03-10.500F0- | M 12 X 1,5 | 10,5                       | 14                    | 30                   | 107                  | 60                   | 45                   | 14                         | ●●     |
| DC260-03-12.000F0- | M 14       | 12                         | 16                    | 35                   | 115                  | 65                   | 48                   | 16                         | ●●     |
| DC260-03-12.500F0- | M 14 X 1,5 | 12,5                       | 16                    | 35                   | 115                  | 65                   | 48                   | 16                         | ●●     |
| DC260-03-14.000F0- | M 16       | 14                         | 18                    | 39                   | 123                  | 73                   | 48                   | 18                         | ●●     |
| DC260-03-14.500F0- | M 16 X 1,5 | 14,5                       | 18                    | 39                   | 123                  | 73                   | 48                   | 18                         | ●●     |

Пример заказа инструмента из сплава WJ30ET: DC260-03-03.300A0-WJ30ET

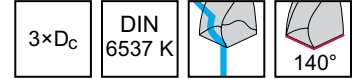
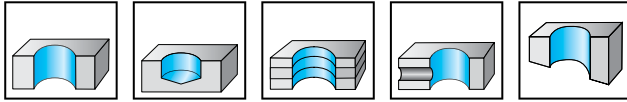
**WALTER  
SELECT**

●● Основная область применения ● Возможная область применения  
Оптимально подходит для → хороших = ☺ → нормальных = 😐 → неблагоприятных = ☹ условий обработки

# Свёрла спиральные цельные твердосплавные

## DC160 Advance

### X-treme Evo



|        |    |   |    |   |   |   |   |
|--------|----|---|----|---|---|---|---|
| WJ30ET | P  | M | K  | N | S | H | O |
|        | ●● |   | ●● | ● | ● | ● | ● |

B1

| Инструмент | Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30ET |
|------------|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
|            | DC160-03-03.000A0- | 3                          |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
|            | DC160-03-03.100A0- | 3,1                        |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
|            | DC160-03-03.175A0- | 3,175                      | 1/8"                   | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
|            | DC160-03-03.200A0- | 3,2                        |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
|            | DC160-03-03.250A0- | 3,25                       |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
|            | DC160-03-03.300A0- | 3,3                        |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
|            | DC160-03-03.400A0- | 3,4                        |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
|            | DC160-03-03.500A0- | 3,5                        |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
|            | DC160-03-03.572A0- | 3,572                      | 9/64"                  | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
|            | DC160-03-03.600A0- | 3,6                        |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
|            | DC160-03-03.650A0- | 3,65                       |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
|            | DC160-03-03.700A0- | 3,7                        |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
|            | DC160-03-03.800A0- | 3,8                        |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
|            | DC160-03-03.900A0- | 3,9                        |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
|            | DC160-03-03.969A0- | 3,969                      | 5/32"                  | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
|            | DC160-03-04.000A0- | 4                          |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
|            | DC160-03-04.100A0- | 4,1                        |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
|            | DC160-03-04.200A0- | 4,2                        |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
|            | DC160-03-04.300A0- | 4,3                        |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
|            | DC160-03-04.366A0- | 4,366                      | 11/64"                 | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
|            | DC160-03-04.400A0- | 4,4                        |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
|            | DC160-03-04.500A0- | 4,5                        |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
|            | DC160-03-04.600A0- | 4,6                        |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
|            | DC160-03-04.650A0- | 4,65                       |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
|            | DC160-03-04.700A0- | 4,7                        |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
|            | DC160-03-04.763A0- | 4,763                      | 3/16"                  | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|            | DC160-03-04.800A0- | 4,8                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|            | DC160-03-04.900A0- | 4,9                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|            | DC160-03-05.000A0- | 5                          |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|            | DC160-03-05.100A0- | 5,1                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|            | DC160-03-05.159A0- | 5,159                      | 13/64"                 | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|            | DC160-03-05.200A0- | 5,2                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|            | DC160-03-05.300A0- | 5,3                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|            | DC160-03-05.400A0- | 5,4                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|            | DC160-03-05.500A0- | 5,5                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|            | DC160-03-05.550A0- | 5,55                       |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |

Пример заказа инструмента из сплава WJ30ET: DC160-03-03.000A0-WJ30ET

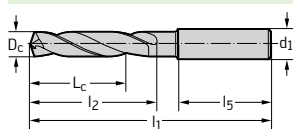
**WALTER SELECT**

●● Основная область применения    ● Возможная область применения

Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки

☺ ☹ ☹☹ / \* = Новый инструмент

## Инструмент



DIN 6535 HA

| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30ET |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC160-03-05.556A0- | 5,556                      | 7/32"                  | 20                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC160-03-05.600A0- | 5,6                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC160-03-05.700A0- | 5,7                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC160-03-05.800A0- | 5,8                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC160-03-05.900A0- | 5,9                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC160-03-05.953A0- | 5,953                      | 15/64"                 | 20                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC160-03-06.000A0- | 6                          |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC160-03-06.100A0- | 6,1                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☹      |
| DC160-03-06.200A0- | 6,2                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☹      |
| DC160-03-06.300A0- | 6,3                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☹      |
| DC160-03-06.350A0- | 6,350                      | 1/4"                   | 24                   | 79                   | 34                   | 36                   | 8                          | ☹      |
| DC160-03-06.400A0- | 6,4                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☹      |
| DC160-03-06.500A0- | 6,5                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☹      |
| DC160-03-06.600A0- | 6,6                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☹      |
| DC160-03-06.700A0- | 6,7                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☹      |
| DC160-03-06.747A0- | 6,747                      | 17/64"                 | 24                   | 79                   | 34                   | 36                   | 8                          | ☹      |
| DC160-03-06.800A0- | 6,8                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☹      |
| DC160-03-06.900A0- | 6,9                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☹      |
| DC160-03-07.000A0- | 7                          |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☹      |
| DC160-03-07.100A0- | 7,1                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☹      |
| DC160-03-07.144A0- | 7,144                      | 9/32"                  | 29                   | 79                   | 41                   | 36                   | 8                          | ☹      |
| DC160-03-07.200A0- | 7,2                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☹      |
| DC160-03-07.300A0- | 7,3                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☹      |
| DC160-03-07.400A0- | 7,4                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☹      |
| DC160-03-07.500A0- | 7,5                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☹      |
| DC160-03-07.541A0- | 7,541                      | 19/64"                 | 29                   | 79                   | 41                   | 36                   | 8                          | ☹      |
| DC160-03-07.550A0- | 7,55                       |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☹      |
| DC160-03-07.600A0- | 7,6                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☹      |
| DC160-03-07.700A0- | 7,7                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☹      |
| DC160-03-07.800A0- | 7,8                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☹      |
| DC160-03-07.900A0- | 7,9                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☹      |
| DC160-03-07.938A0- | 7,938                      | 5/16"                  | 29                   | 79                   | 41                   | 36                   | 8                          | ☹      |
| DC160-03-08.000A0- | 8                          |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☹      |
| DC160-03-08.100A0- | 8,1                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC160-03-08.200A0- | 8,2                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC160-03-08.300A0- | 8,3                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC160-03-08.334A0- | 8,334                      | 21/64"                 | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC160-03-08.400A0- | 8,4                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC160-03-08.500A0- | 8,5                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC160-03-08.600A0- | 8,6                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC160-03-08.700A0- | 8,7                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC160-03-08.731A0- | 8,731                      | 11/32"                 | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC160-03-08.800A0- | 8,8                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC160-03-08.900A0- | 8,9                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC160-03-09.000A0- | 9                          |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC160-03-09.100A0- | 9,1                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |

Пример заказа инструмента из сплава WJ30ET: DC160-03-03.000A0-WJ30ET

 WALTER  
SELECT

 ●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☹ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

| Инструмент         |                    | $D_c$<br>m7<br>mm | $D_c$ Inch/Nr | $L_c$<br>mm | $l_1$<br>mm | $l_2$<br>mm | $l_5$<br>mm | $d_1$<br>h6<br>mm | WJ30ET |
|--------------------|--------------------|-------------------|---------------|-------------|-------------|-------------|-------------|-------------------|--------|
| <p>DIN 6535 HA</p> | Обозначение        |                   |               |             |             |             |             |                   |        |
|                    | DC160-03-09.128A0- | 9,128             | 23/64"        | 35          | 89          | 47          | 40          | 10                | ☺      |
|                    | DC160-03-09.200A0- | 9,2               |               | 35          | 89          | 47          | 40          | 10                | ☺      |
|                    | DC160-03-09.300A0- | 9,3               |               | 35          | 89          | 47          | 40          | 10                | ☺      |
|                    | DC160-03-09.400A0- | 9,4               |               | 35          | 89          | 47          | 40          | 10                | ☺      |
|                    | DC160-03-09.500A0- | 9,5               |               | 35          | 89          | 47          | 40          | 10                | ☺      |
|                    | DC160-03-09.525A0- | 9,525             | 3/8"          | 35          | 89          | 47          | 40          | 10                | ☺      |
|                    | DC160-03-09.550A0- | 9,55              |               | 35          | 89          | 47          | 40          | 10                | ☺      |
|                    | DC160-03-09.600A0- | 9,6               |               | 35          | 89          | 47          | 40          | 10                | ☺      |
|                    | DC160-03-09.700A0- | 9,7               |               | 35          | 89          | 47          | 40          | 10                | ☺      |
|                    | DC160-03-09.800A0- | 9,8               |               | 35          | 89          | 47          | 40          | 10                | ☺      |
|                    | DC160-03-09.900A0- | 9,9               |               | 35          | 89          | 47          | 40          | 10                | ☺      |
|                    | DC160-03-09.922A0- | 9,922             | 25/64"        | 35          | 89          | 47          | 40          | 10                | ☺      |
|                    | DC160-03-10.000A0- | 10                |               | 35          | 89          | 47          | 40          | 10                | ☺      |
|                    | DC160-03-10.100A0- | 10,1              |               | 40          | 102         | 55          | 45          | 12                | ☺      |
|                    | DC160-03-10.200A0- | 10,2              |               | 40          | 102         | 55          | 45          | 12                | ☺      |
|                    | DC160-03-10.300A0- | 10,3              |               | 40          | 102         | 55          | 45          | 12                | ☺      |
|                    | DC160-03-10.319A0- | 10,319            | 13/32"        | 40          | 102         | 55          | 45          | 12                | ☺      |
|                    | DC160-03-10.400A0- | 10,4              |               | 40          | 102         | 55          | 45          | 12                | ☺      |
|                    | DC160-03-10.500A0- | 10,5              |               | 40          | 102         | 55          | 45          | 12                | ☺      |
|                    | DC160-03-10.600A0- | 10,6              |               | 40          | 102         | 55          | 45          | 12                | ☺      |
|                    | DC160-03-10.700A0- | 10,7              |               | 40          | 102         | 55          | 45          | 12                | ☺      |
|                    | DC160-03-10.716A0- | 10,716            | 27/64"        | 40          | 102         | 55          | 45          | 12                | ☺      |
|                    | DC160-03-10.800A0- | 10,8              |               | 40          | 102         | 55          | 45          | 12                | ☺      |
|                    | DC160-03-10.900A0- | 10,9              |               | 40          | 102         | 55          | 45          | 12                | ☺      |
|                    | DC160-03-11.000A0- | 11                |               | 40          | 102         | 55          | 45          | 12                | ☺      |
|                    | DC160-03-11.100A0- | 11,1              |               | 40          | 102         | 55          | 45          | 12                | ☺      |
|                    | DC160-03-11.113A0- | 11,113            | 7/16"         | 40          | 102         | 55          | 45          | 12                | ☺      |
|                    | DC160-03-11.200A0- | 11,2              |               | 40          | 102         | 55          | 45          | 12                | ☺      |
|                    | DC160-03-11.300A0- | 11,3              |               | 40          | 102         | 55          | 45          | 12                | ☺      |
|                    | DC160-03-11.400A0- | 11,4              |               | 40          | 102         | 55          | 45          | 12                | ☺      |
|                    | DC160-03-11.500A0- | 11,5              |               | 40          | 102         | 55          | 45          | 12                | ☺      |
|                    | DC160-03-11.509A0- | 11,509            | 29/64"        | 40          | 102         | 55          | 45          | 12                | ☺      |
|                    | DC160-03-11.550A0- | 11,55             |               | 40          | 102         | 55          | 45          | 12                | ☺      |
| DC160-03-11.700A0- | 11,7               |                   | 40            | 102         | 55          | 45          | 12          | ☺                 |        |
| DC160-03-11.800A0- | 11,8               |                   | 40            | 102         | 55          | 45          | 12          | ☺                 |        |
| DC160-03-11.900A0- | 11,9               |                   | 40            | 102         | 55          | 45          | 12          | ☺                 |        |
| DC160-03-11.906A0- | 11,906             | 15/32"            | 40            | 102         | 55          | 45          | 12          | ☺                 |        |
| DC160-03-12.000A0- | 12                 |                   | 40            | 102         | 55          | 45          | 12          | ☺                 |        |
| DC160-03-12.100A0- | 12,1               |                   | 43            | 107         | 60          | 45          | 14          | ☺                 |        |
| DC160-03-12.200A0- | 12,2               |                   | 43            | 107         | 60          | 45          | 14          | ☺                 |        |
| DC160-03-12.250A0- | 12,25              |                   | 43            | 107         | 60          | 45          | 14          | ☺                 |        |
| DC160-03-12.300A0- | 12,3               |                   | 43            | 107         | 60          | 45          | 14          | ☺                 |        |
| DC160-03-12.303A0- | 12,303             | 31/64"            | 43            | 107         | 60          | 45          | 14          | ☺                 |        |
| DC160-03-12.400A0- | 12,4               |                   | 43            | 107         | 60          | 45          | 14          | ☺                 |        |
| DC160-03-12.500A0- | 12,5               |                   | 43            | 107         | 60          | 45          | 14          | ☺                 |        |
| DC160-03-12.600A0- | 12,6               |                   | 43            | 107         | 60          | 45          | 14          | ☺                 |        |

Пример заказа инструмента из сплава WJ30ET: DC160-03-03.000A0-WJ30ET

**WALTER  
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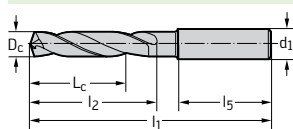
●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки

☺ ☹ ☹☹ / \* = Новый инструмент

Свёрла твердосплавные без внутреннего подвода СОЖ

B 151

## Инструмент



DIN 6535 HA

| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30ET |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC160-03-12.700A0- | 12,700                     | 1/2"                   | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC160-03-12.750A0- | 12,75                      |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC160-03-12.800A0- | 12,8                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC160-03-12.900A0- | 12,9                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC160-03-13.000A0- | 13                         |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC160-03-13.100A0- | 13,1                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC160-03-13.200A0- | 13,2                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC160-03-13.300A0- | 13,3                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC160-03-13.400A0- | 13,4                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC160-03-13.494A0- | 13,494                     | 17/32"                 | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC160-03-13.500A0- | 13,5                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC160-03-13.600A0- | 13,6                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC160-03-13.700A0- | 13,7                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC160-03-13.800A0- | 13,8                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC160-03-13.900A0- | 13,9                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC160-03-14.000A0- | 14                         |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC160-03-14.100A0- | 14,1                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☹      |
| DC160-03-14.200A0- | 14,2                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☹      |
| DC160-03-14.288A0- | 14,288                     | 9/16"                  | 45                   | 115                  | 65                   | 48                   | 16                         | ☹      |
| DC160-03-14.300A0- | 14,3                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☹      |
| DC160-03-14.400A0- | 14,4                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☹      |
| DC160-03-14.500A0- | 14,5                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☹      |
| DC160-03-14.600A0- | 14,6                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☹      |
| DC160-03-14.700A0- | 14,7                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☹      |
| DC160-03-14.800A0- | 14,8                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☹      |
| DC160-03-15.000A0- | 15                         |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☹      |
| DC160-03-15.100A0- | 15,1                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☹      |
| DC160-03-15.200A0- | 15,2                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☹      |
| DC160-03-15.300A0- | 15,3                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☹      |
| DC160-03-15.500A0- | 15,5                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☹      |
| DC160-03-15.600A0- | 15,6                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☹      |
| DC160-03-15.700A0- | 15,7                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☹      |
| DC160-03-15.800A0- | 15,8                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☹      |
| DC160-03-15.875A0- | 15,875                     | 5/8"                   | 45                   | 115                  | 65                   | 48                   | 16                         | ☹      |
| DC160-03-15.900A0- | 15,9                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☹      |
| DC160-03-16.000A0- | 16                         |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☹      |
| DC160-03-16.100A0- | 16,1                       |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☹      |
| DC160-03-16.200A0- | 16,2                       |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☹      |
| DC160-03-16.300A0- | 16,3                       |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☹      |
| DC160-03-16.500A0- | 16,5                       |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☹      |
| DC160-03-16.600A0- | 16,6                       |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☹      |
| DC160-03-16.700A0- | 16,7                       |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☹      |
| DC160-03-16.750A0- | 16,75                      |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☹      |
| DC160-03-16.800A0- | 16,8                       |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☹      |
| DC160-03-17.000A0- | 17                         |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☹      |
| DC160-03-17.200A0- | 17,2                       |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☹      |

Пример заказа инструмента из сплава WJ30ET: DC160-03-03.000A0-WJ30ET

 WALTER  
SELECT

 ●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☹ → нормальных = ☹ → неблагоприятных = ☹ условий обработки



| Инструмент         |                    | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub><br>Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30ET |
|--------------------|--------------------|----------------------------|---------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| <p>DIN 6535 HA</p> | DC160-03-17.300A0- | 17,3                       |                           | 51                   | 123                  | 73                   | 48                   | 18                         | ☺      |
|                    | DC160-03-17.500A0- | 17,5                       |                           | 51                   | 123                  | 73                   | 48                   | 18                         | ☺      |
|                    | DC160-03-17.600A0- | 17,6                       |                           | 51                   | 123                  | 73                   | 48                   | 18                         | ☺      |
|                    | DC160-03-17.700A0- | 17,7                       |                           | 51                   | 123                  | 73                   | 48                   | 18                         | ☺      |
|                    | DC160-03-17.800A0- | 17,8                       |                           | 51                   | 123                  | 73                   | 48                   | 18                         | ☺      |
|                    | DC160-03-18.000A0- | 18                         |                           | 51                   | 123                  | 73                   | 48                   | 18                         | ☺      |
|                    | DC160-03-18.200A0- | 18,2                       |                           | 55                   | 131                  | 79                   | 50                   | 20                         | ☺      |
|                    | DC160-03-18.500A0- | 18,5                       |                           | 55                   | 131                  | 79                   | 50                   | 20                         | ☺      |
|                    | DC160-03-18.700A0- | 18,7                       |                           | 55                   | 131                  | 79                   | 50                   | 20                         | ☺      |
|                    | DC160-03-18.800A0- | 18,8                       |                           | 55                   | 131                  | 79                   | 50                   | 20                         | ☺      |
|                    | DC160-03-19.000A0- | 19                         |                           | 55                   | 131                  | 79                   | 50                   | 20                         | ☺      |
|                    | DC160-03-19.050A0- | 19,050                     | 3/4"                      | 55                   | 131                  | 79                   | 50                   | 20                         | ☺      |
|                    | DC160-03-19.500A0- | 19,5                       |                           | 55                   | 131                  | 79                   | 50                   | 20                         | ☺      |
|                    | DC160-03-19.700A0- | 19,7                       |                           | 55                   | 131                  | 79                   | 50                   | 20                         | ☺      |
| DC160-03-19.800A0- | 19,8               |                            | 55                        | 131                  | 79                   | 50                   | 20                   | ☺                          |        |
| DC160-03-20.000A0- | 20                 |                            | 55                        | 131                  | 79                   | 50                   | 20                   | ☺                          |        |
| <p>DIN 6535 HE</p> | DC160-03-03.000F0- | 3                          |                           | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
|                    | DC160-03-03.100F0- | 3,1                        |                           | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
|                    | DC160-03-03.200F0- | 3,2                        |                           | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
|                    | DC160-03-03.250F0- | 3,25                       |                           | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
|                    | DC160-03-03.300F0- | 3,3                        |                           | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
|                    | DC160-03-03.400F0- | 3,4                        |                           | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
|                    | DC160-03-03.500F0- | 3,5                        |                           | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
|                    | DC160-03-03.600F0- | 3,6                        |                           | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
|                    | DC160-03-03.650F0- | 3,65                       |                           | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
|                    | DC160-03-03.700F0- | 3,7                        |                           | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
|                    | DC160-03-03.800F0- | 3,8                        |                           | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
|                    | DC160-03-03.900F0- | 3,9                        |                           | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
|                    | DC160-03-04.000F0- | 4                          |                           | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
|                    | DC160-03-04.100F0- | 4,1                        |                           | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
|                    | DC160-03-04.200F0- | 4,2                        |                           | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
|                    | DC160-03-04.300F0- | 4,3                        |                           | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
|                    | DC160-03-04.400F0- | 4,4                        |                           | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
|                    | DC160-03-04.500F0- | 4,5                        |                           | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
|                    | DC160-03-04.600F0- | 4,6                        |                           | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
|                    | DC160-03-04.650F0- | 4,65                       |                           | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
|                    | DC160-03-04.700F0- | 4,7                        |                           | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
|                    | DC160-03-04.800F0- | 4,8                        |                           | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|                    | DC160-03-04.900F0- | 4,9                        |                           | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|                    | DC160-03-05.000F0- | 5                          |                           | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|                    | DC160-03-05.100F0- | 5,1                        |                           | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|                    | DC160-03-05.200F0- | 5,2                        |                           | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC160-03-05.300F0- | 5,3                |                            | 20                        | 66                   | 28                   | 36                   | 6                    | ☺                          |        |
| DC160-03-05.400F0- | 5,4                |                            | 20                        | 66                   | 28                   | 36                   | 6                    | ☺                          |        |
| DC160-03-05.500F0- | 5,5                |                            | 20                        | 66                   | 28                   | 36                   | 6                    | ☺                          |        |
| DC160-03-05.550F0- | 5,55               |                            | 20                        | 66                   | 28                   | 36                   | 6                    | ☺                          |        |

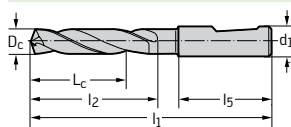
Пример заказа инструмента из сплава WJ30ET: DC160-03-03.000A0-WJ30ET

**WALTER SELECT** ●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки

☺ ☹ ☹☹ / \* = Новый инструмент

B1

## Инструмент



DIN 6535 HE

| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30ET |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC160-03-05.600F0- | 5,6                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC160-03-05.700F0- | 5,7                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC160-03-05.800F0- | 5,8                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC160-03-05.900F0- | 5,9                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC160-03-06.000F0- | 6                          |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC160-03-06.100F0- | 6,1                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☹      |
| DC160-03-06.200F0- | 6,2                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☹      |
| DC160-03-06.300F0- | 6,3                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☹      |
| DC160-03-06.400F0- | 6,4                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☹      |
| DC160-03-06.500F0- | 6,5                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☹      |
| DC160-03-06.600F0- | 6,6                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☹      |
| DC160-03-06.700F0- | 6,7                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☹      |
| DC160-03-06.800F0- | 6,8                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☹      |
| DC160-03-06.900F0- | 6,9                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☹      |
| DC160-03-07.000F0- | 7                          |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☹      |
| DC160-03-07.100F0- | 7,1                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☹      |
| DC160-03-07.200F0- | 7,2                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☹      |
| DC160-03-07.300F0- | 7,3                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☹      |
| DC160-03-07.400F0- | 7,4                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☹      |
| DC160-03-07.500F0- | 7,5                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☹      |
| DC160-03-07.550F0- | 7,55                       |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☹      |
| DC160-03-07.600F0- | 7,6                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☹      |
| DC160-03-07.700F0- | 7,7                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☹      |
| DC160-03-07.800F0- | 7,8                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☹      |
| DC160-03-07.900F0- | 7,9                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☹      |
| DC160-03-08.000F0- | 8                          |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☹      |
| DC160-03-08.100F0- | 8,1                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC160-03-08.200F0- | 8,2                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC160-03-08.300F0- | 8,3                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC160-03-08.400F0- | 8,4                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC160-03-08.500F0- | 8,5                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC160-03-08.600F0- | 8,6                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC160-03-08.700F0- | 8,7                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC160-03-08.800F0- | 8,8                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC160-03-08.900F0- | 8,9                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC160-03-09.000F0- | 9                          |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC160-03-09.100F0- | 9,1                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC160-03-09.200F0- | 9,2                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC160-03-09.300F0- | 9,3                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC160-03-09.400F0- | 9,4                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC160-03-09.500F0- | 9,5                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC160-03-09.550F0- | 9,55                       |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC160-03-09.600F0- | 9,6                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC160-03-09.700F0- | 9,7                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC160-03-09.800F0- | 9,8                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC160-03-09.900F0- | 9,9                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |

Пример заказа инструмента из сплава WJ30ET: DC160-03-03.000A0-WJ30ET

**WALTER  
SELECT**

 ●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☹ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

| Инструмент         |                    | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30ET |
|--------------------|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| <p>DIN 6535 HE</p> | Обозначение        |                            |                        |                      |                      |                      |                      |                            |        |
|                    | DC160-03-10.000F0- | 10                         |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
|                    | DC160-03-10.100F0- | 10,1                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
|                    | DC160-03-10.200F0- | 10,2                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
|                    | DC160-03-10.300F0- | 10,3                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
|                    | DC160-03-10.400F0- | 10,4                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
|                    | DC160-03-10.500F0- | 10,5                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
|                    | DC160-03-10.600F0- | 10,6                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
|                    | DC160-03-10.700F0- | 10,7                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
|                    | DC160-03-10.800F0- | 10,8                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
|                    | DC160-03-10.900F0- | 10,9                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
|                    | DC160-03-11.000F0- | 11                         |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
|                    | DC160-03-11.100F0- | 11,1                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
|                    | DC160-03-11.200F0- | 11,2                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
|                    | DC160-03-11.300F0- | 11,3                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
|                    | DC160-03-11.400F0- | 11,4                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
|                    | DC160-03-11.500F0- | 11,5                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
|                    | DC160-03-11.550F0- | 11,55                      |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
|                    | DC160-03-11.600F0- | 11,6                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
|                    | DC160-03-11.700F0- | 11,7                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
|                    | DC160-03-11.800F0- | 11,8                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
|                    | DC160-03-11.900F0- | 11,9                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
|                    | DC160-03-12.000F0- | 12                         |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
|                    | DC160-03-12.100F0- | 12,1                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
|                    | DC160-03-12.200F0- | 12,2                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
|                    | DC160-03-12.250F0- | 12,25                      |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
|                    | DC160-03-12.300F0- | 12,3                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
|                    | DC160-03-12.400F0- | 12,4                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
|                    | DC160-03-12.500F0- | 12,5                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
|                    | DC160-03-12.600F0- | 12,6                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
|                    | DC160-03-12.700F0- | 12,700                     | 1/2"                   | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
|                    | DC160-03-12.750F0- | 12,75                      |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
|                    | DC160-03-12.800F0- | 12,8                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
|                    | DC160-03-12.900F0- | 12,9                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC160-03-13.000F0- | 13                 |                            | 43                     | 107                  | 60                   | 45                   | 14                   | ☹                          |        |
| DC160-03-13.100F0- | 13,1               |                            | 43                     | 107                  | 60                   | 45                   | 14                   | ☹                          |        |
| DC160-03-13.200F0- | 13,2               |                            | 43                     | 107                  | 60                   | 45                   | 14                   | ☹                          |        |
| DC160-03-13.300F0- | 13,3               |                            | 43                     | 107                  | 60                   | 45                   | 14                   | ☹                          |        |
| DC160-03-13.400F0- | 13,4               |                            | 43                     | 107                  | 60                   | 45                   | 14                   | ☹                          |        |
| DC160-03-13.500F0- | 13,5               |                            | 43                     | 107                  | 60                   | 45                   | 14                   | ☹                          |        |
| DC160-03-13.600F0- | 13,6               |                            | 43                     | 107                  | 60                   | 45                   | 14                   | ☹                          |        |
| DC160-03-13.700F0- | 13,7               |                            | 43                     | 107                  | 60                   | 45                   | 14                   | ☹                          |        |
| DC160-03-13.800F0- | 13,8               |                            | 43                     | 107                  | 60                   | 45                   | 14                   | ☹                          |        |
| DC160-03-13.900F0- | 13,9               |                            | 43                     | 107                  | 60                   | 45                   | 14                   | ☹                          |        |
| DC160-03-14.000F0- | 14                 |                            | 43                     | 107                  | 60                   | 45                   | 14                   | ☹                          |        |
| DC160-03-14.100F0- | 14,1               |                            | 45                     | 115                  | 65                   | 48                   | 16                   | ☹                          |        |
| DC160-03-14.200F0- | 14,2               |                            | 45                     | 115                  | 65                   | 48                   | 16                   | ☹                          |        |

Пример заказа инструмента из сплава WJ30ET: DC160-03-03.000A0-WJ30ET

**WALTER  
SELECT**

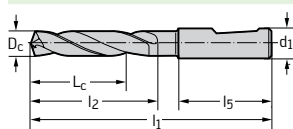
●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☹ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

☹ ☹ ☹ / \* = Новый инструмент

Свёрла твердосплавные без внутреннего подвода СОЖ

B 155

## Инструмент



DIN 6535 HE

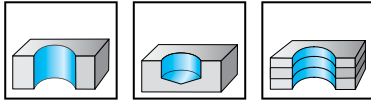
| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30ET |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC160-03-14.300F0- | 14,3                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☹      |
| DC160-03-14.400F0- | 14,4                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☹      |
| DC160-03-14.500F0- | 14,5                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☹      |
| DC160-03-14.600F0- | 14,6                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☹      |
| DC160-03-14.700F0- | 14,7                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☹      |
| DC160-03-14.750F0- | 14,75                      |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☹      |
| DC160-03-14.800F0- | 14,8                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☹      |
| DC160-03-15.000F0- | 15                         |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☹      |
| DC160-03-15.100F0- | 15,1                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☹      |
| DC160-03-15.200F0- | 15,2                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☹      |
| DC160-03-15.300F0- | 15,3                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☹      |
| DC160-03-15.500F0- | 15,5                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☹      |
| DC160-03-15.600F0- | 15,6                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☹      |
| DC160-03-15.700F0- | 15,7                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☹      |
| DC160-03-15.800F0- | 15,8                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☹      |
| DC160-03-15.900F0- | 15,9                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☹      |
| DC160-03-16.000F0- | 16                         |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☹      |
| DC160-03-16.100F0- | 16,1                       |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☹      |
| DC160-03-16.200F0- | 16,2                       |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☹      |
| DC160-03-16.300F0- | 16,3                       |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☹      |
| DC160-03-16.400F0- | 16,4                       |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☹      |
| DC160-03-16.500F0- | 16,5                       |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☹      |
| DC160-03-16.600F0- | 16,6                       |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☹      |
| DC160-03-16.700F0- | 16,7                       |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☹      |
| DC160-03-16.750F0- | 16,75                      |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☹      |
| DC160-03-16.800F0- | 16,8                       |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☹      |
| DC160-03-17.000F0- | 17                         |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☹      |
| DC160-03-17.200F0- | 17,2                       |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☹      |
| DC160-03-17.300F0- | 17,3                       |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☹      |
| DC160-03-17.500F0- | 17,5                       |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☹      |
| DC160-03-17.600F0- | 17,6                       |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☹      |
| DC160-03-17.700F0- | 17,7                       |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☹      |
| DC160-03-17.800F0- | 17,8                       |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☹      |
| DC160-03-18.000F0- | 18                         |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☹      |
| DC160-03-18.200F0- | 18,2                       |                        | 55                   | 131                  | 79                   | 50                   | 20                         | ☹      |
| DC160-03-18.500F0- | 18,5                       |                        | 55                   | 131                  | 79                   | 50                   | 20                         | ☹      |
| DC160-03-18.700F0- | 18,7                       |                        | 55                   | 131                  | 79                   | 50                   | 20                         | ☹      |
| DC160-03-18.800F0- | 18,8                       |                        | 55                   | 131                  | 79                   | 50                   | 20                         | ☹      |
| DC160-03-19.000F0- | 19                         |                        | 55                   | 131                  | 79                   | 50                   | 20                         | ☹      |
| DC160-03-19.500F0- | 19,5                       |                        | 55                   | 131                  | 79                   | 50                   | 20                         | ☹      |
| DC160-03-19.700F0- | 19,7                       |                        | 55                   | 131                  | 79                   | 50                   | 20                         | ☹      |
| DC160-03-19.800F0- | 19,8                       |                        | 55                   | 131                  | 79                   | 50                   | 20                         | ☹      |
| DC160-03-20.000F0- | 20                         |                        | 55                   | 131                  | 79                   | 50                   | 20                         | ☹      |

Пример заказа инструмента из сплава WJ30ET: DC160-03-03.000A0-WJ30ET

# Свёрла спиральные цельные твердосплавные DC150 Perform



– Размеры до 1,9 мм по DIN 1897



|        |    |   |    |   |   |   |   |
|--------|----|---|----|---|---|---|---|
|        | P  | M | K  | N | S | H | O |
| WJ30RE | ●● | ● | ●● | ● | ● | ● | ● |

B1

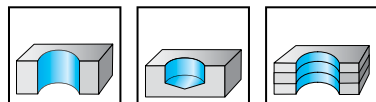
| Инструмент               | Обозначение        | D <sub>c</sub><br>h7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30RE |
|--------------------------|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| <p>Cylindrical shank</p> | DC150-03-01.500U0- | 1,5                        |                        | 6                    | 32                   | 9                    | 1,5                        | ☺      |
|                          | DC150-03-01.588U0- | 1,588                      | 1/16"                  | 7                    | 34                   | 10                   | 1,588                      | ☺      |
|                          | DC150-03-01.600U0- | 1,6                        |                        | 7                    | 34                   | 10                   | 1,6                        | ☺      |
|                          | DC150-03-01.700U0- | 1,7                        |                        | 7                    | 34                   | 10                   | 1,7                        | ☺      |
|                          | DC150-03-01.800U0- | 1,8                        |                        | 8                    | 36                   | 11                   | 1,8                        | ☺      |
|                          | DC150-03-01.820U0- | 1,82                       |                        | 8                    | 36                   | 11                   | 1,82                       | ☺      |
|                          | DC150-03-01.900U0- | 1,9                        |                        | 8                    | 36                   | 11                   | 1,9                        | ☺      |
|                          | DC150-03-01.984U0- | 1,984                      | 5/64"                  | 8                    | 38                   | 12                   | 1,984                      | ☺      |
|                          | DC150-03-02.000U0- | 2                          |                        | 8                    | 38                   | 12                   | 2                          | ☺      |
|                          | DC150-03-02.050U0- | 2,05                       |                        | 8                    | 38                   | 12                   | 2,05                       | ☺      |
|                          | DC150-03-02.100U0- | 2,1                        |                        | 8                    | 38                   | 12                   | 2,1                        | ☺      |
|                          | DC150-03-02.200U0- | 2,2                        |                        | 9                    | 40                   | 13                   | 2,2                        | ☺      |
|                          | DC150-03-02.300U0- | 2,3                        |                        | 9                    | 40                   | 13                   | 2,3                        | ☺      |
|                          | DC150-03-02.381U0- | 2,381                      | 3/32"                  | 10                   | 43                   | 14                   | 2,381                      | ☺      |
|                          | DC150-03-02.400U0- | 2,4                        |                        | 10                   | 43                   | 14                   | 2,4                        | ☺      |
|                          | DC150-03-02.500U0- | 2,5                        |                        | 10                   | 43                   | 14                   | 2,5                        | ☺      |
|                          | DC150-03-02.600U0- | 2,6                        |                        | 10                   | 43                   | 14                   | 2,6                        | ☺      |
|                          | DC150-03-02.700U0- | 2,7                        |                        | 11                   | 46                   | 16                   | 2,7                        | ☺      |
|                          | DC150-03-02.778U0- | 2,778                      | 7/64"                  | 11                   | 46                   | 16                   | 2,778                      | ☺      |
|                          | DC150-03-02.800U0- | 2,8                        |                        | 11                   | 46                   | 16                   | 2,8                        | ☺      |
| DC150-03-02.900U0-       | 2,9                |                            | 11                     | 46                   | 16                   | 2,9                  | ☺                          |        |

Пример заказа инструмента из сплава WJ30RE: DC150-03-01.500U0-WJ30RE

●● Основная область применения    ● Возможная область применения  
 Оптимально подходит для → хороших = ☺    → нормальных = ☹    → неблагоприятных = ☹☹ условий обработки

# Свёрла спиральные целные твердосплавные

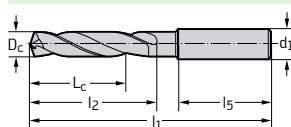
## DC150 Perform



B1

|        |    |   |    |   |   |   |   |
|--------|----|---|----|---|---|---|---|
|        | P  | M | K  | N | S | H | O |
| WJ30RE | ●● | ● | ●● | ● | ● | ● | ● |

### Инструмент



DIN 6535 HA

| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30RE |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC150-03-03.000A0- | 3                          |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☹      |
| DC150-03-03.100A0- | 3,1                        |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☹      |
| DC150-03-03.175A0- | 3,175                      | 1/8"                   | 14                   | 62                   | 20                   | 36                   | 6                          | ☹      |
| DC150-03-03.200A0- | 3,2                        |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☹      |
| DC150-03-03.250A0- | 3,25                       |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☹      |
| DC150-03-03.300A0- | 3,3                        |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☹      |
| DC150-03-03.400A0- | 3,4                        |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☹      |
| DC150-03-03.500A0- | 3,5                        |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☹      |
| DC150-03-03.572A0- | 3,572                      | 9/64"                  | 14                   | 62                   | 20                   | 36                   | 6                          | ☹      |
| DC150-03-03.600A0- | 3,6                        |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☹      |
| DC150-03-03.700A0- | 3,7                        |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☹      |
| DC150-03-03.800A0- | 3,8                        |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC150-03-03.900A0- | 3,9                        |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC150-03-03.969A0- | 3,969                      | 5/32"                  | 17                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC150-03-04.000A0- | 4                          |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC150-03-04.100A0- | 4,1                        |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC150-03-04.200A0- | 4,2                        |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC150-03-04.300A0- | 4,3                        |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC150-03-04.366A0- | 4,366                      | 11/64"                 | 17                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC150-03-04.400A0- | 4,4                        |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC150-03-04.500A0- | 4,5                        |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC150-03-04.600A0- | 4,6                        |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC150-03-04.650A0- | 4,65                       |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC150-03-04.700A0- | 4,7                        |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☹      |
| DC150-03-04.763A0- | 4,763                      | 3/16"                  | 20                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC150-03-04.800A0- | 4,8                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC150-03-04.900A0- | 4,9                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC150-03-05.000A0- | 5                          |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC150-03-05.100A0- | 5,1                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC150-03-05.159A0- | 5,159                      | 13/64"                 | 20                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC150-03-05.200A0- | 5,2                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC150-03-05.300A0- | 5,3                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC150-03-05.400A0- | 5,4                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC150-03-05.500A0- | 5,5                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC150-03-05.550A0- | 5,55                       |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC150-03-05.556A0- | 5,556                      | 7/32"                  | 20                   | 66                   | 28                   | 36                   | 6                          | ☹      |

Пример заказа инструмента из сплава WJ30RE: DC150-03-03.000A0-WJ30RE

**WALTER  
SELECT**

●● Основная область применения    ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки

| Инструмент         | Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub><br>Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30RE |
|--------------------|--------------------|----------------------------|---------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| <p>DIN 6535 HA</p> | DC150-03-05.600A0- | 5,6                        |                           | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|                    | DC150-03-05.700A0- | 5,7                        |                           | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|                    | DC150-03-05.800A0- | 5,8                        |                           | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|                    | DC150-03-05.900A0- | 5,9                        |                           | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|                    | DC150-03-05.953A0- | 5,953                      | 15/64"                    | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|                    | DC150-03-06.000A0- | 6                          |                           | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|                    | DC150-03-06.100A0- | 6,1                        |                           | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
|                    | DC150-03-06.200A0- | 6,2                        |                           | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
|                    | DC150-03-06.300A0- | 6,3                        |                           | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
|                    | DC150-03-06.350A0- | 6,350                      | 1/4"                      | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
|                    | DC150-03-06.400A0- | 6,4                        |                           | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
|                    | DC150-03-06.500A0- | 6,5                        |                           | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
|                    | DC150-03-06.600A0- | 6,6                        |                           | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
|                    | DC150-03-06.700A0- | 6,7                        |                           | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
|                    | DC150-03-06.747A0- | 6,747                      | 17/64"                    | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
|                    | DC150-03-06.800A0- | 6,8                        |                           | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
|                    | DC150-03-06.900A0- | 6,9                        |                           | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
|                    | DC150-03-07.000A0- | 7                          |                           | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
|                    | DC150-03-07.100A0- | 7,1                        |                           | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
|                    | DC150-03-07.144A0- | 7,144                      | 9/32"                     | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
|                    | DC150-03-07.200A0- | 7,2                        |                           | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
|                    | DC150-03-07.300A0- | 7,3                        |                           | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
|                    | DC150-03-07.400A0- | 7,4                        |                           | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
|                    | DC150-03-07.500A0- | 7,5                        |                           | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
|                    | DC150-03-07.541A0- | 7,541                      | 19/64"                    | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
|                    | DC150-03-07.600A0- | 7,6                        |                           | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
|                    | DC150-03-07.700A0- | 7,7                        |                           | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
|                    | DC150-03-07.800A0- | 7,8                        |                           | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
|                    | DC150-03-07.900A0- | 7,9                        |                           | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
|                    | DC150-03-07.938A0- | 7,938                      | 5/16"                     | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
|                    | DC150-03-08.000A0- | 8                          |                           | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
|                    | DC150-03-08.100A0- | 8,1                        |                           | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
|                    | DC150-03-08.200A0- | 8,2                        |                           | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
|                    | DC150-03-08.300A0- | 8,3                        |                           | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-08.334A0- | 8,334              | 21/64"                     | 35                        | 89                   | 47                   | 40                   | 10                   | ☺                          |        |
| DC150-03-08.400A0- | 8,4                |                            | 35                        | 89                   | 47                   | 40                   | 10                   | ☺                          |        |
| DC150-03-08.500A0- | 8,5                |                            | 35                        | 89                   | 47                   | 40                   | 10                   | ☺                          |        |
| DC150-03-08.600A0- | 8,6                |                            | 35                        | 89                   | 47                   | 40                   | 10                   | ☺                          |        |
| DC150-03-08.700A0- | 8,7                |                            | 35                        | 89                   | 47                   | 40                   | 10                   | ☺                          |        |
| DC150-03-08.731A0- | 8,731              | 11/32"                     | 35                        | 89                   | 47                   | 40                   | 10                   | ☺                          |        |
| DC150-03-08.800A0- | 8,8                |                            | 35                        | 89                   | 47                   | 40                   | 10                   | ☺                          |        |
| DC150-03-08.900A0- | 8,9                |                            | 35                        | 89                   | 47                   | 40                   | 10                   | ☺                          |        |
| DC150-03-09.000A0- | 9                  |                            | 35                        | 89                   | 47                   | 40                   | 10                   | ☺                          |        |
| DC150-03-09.100A0- | 9,1                |                            | 35                        | 89                   | 47                   | 40                   | 10                   | ☺                          |        |
| DC150-03-09.200A0- | 9,2                |                            | 35                        | 89                   | 47                   | 40                   | 10                   | ☺                          |        |
| DC150-03-09.300A0- | 9,3                |                            | 35                        | 89                   | 47                   | 40                   | 10                   | ☺                          |        |

Пример заказа инструмента из сплава WJ30RE: DC150-03-03.000A0-WJ30RE

**WALTER  
SELECT**

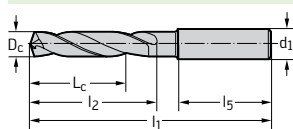
●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки

☺ ☹ ☹☹ / \* = Новый инструмент

Свёрла твердосплавные без внутреннего подвода СОЖ

В 159

## Инструмент



DIN 6535 HA

| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30RE |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC150-03-09.400A0- | 9,4                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC150-03-09.500A0- | 9,5                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC150-03-09.525A0- | 9,525                      | 3/8"                   | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC150-03-09.600A0- | 9,6                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC150-03-09.700A0- | 9,7                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC150-03-09.800A0- | 9,8                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC150-03-09.900A0- | 9,9                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC150-03-09.922A0- | 9,922                      | 25/64"                 | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC150-03-10.000A0- | 10                         |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹      |
| DC150-03-10.100A0- | 10,1                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC150-03-10.200A0- | 10,2                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC150-03-10.300A0- | 10,3                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC150-03-10.319A0- | 10,319                     | 13/32"                 | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC150-03-10.400A0- | 10,4                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC150-03-10.500A0- | 10,5                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC150-03-10.600A0- | 10,6                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC150-03-10.716A0- | 10,716                     | 27/64"                 | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC150-03-10.800A0- | 10,8                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC150-03-11.000A0- | 11                         |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC150-03-11.100A0- | 11,1                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC150-03-11.113A0- | 11,113                     | 7/16"                  | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC150-03-11.200A0- | 11,2                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC150-03-11.300A0- | 11,3                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC150-03-11.400A0- | 11,4                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC150-03-11.500A0- | 11,5                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC150-03-11.509A0- | 11,509                     | 29/64"                 | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC150-03-11.700A0- | 11,7                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC150-03-11.800A0- | 11,8                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC150-03-11.900A0- | 11,9                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC150-03-12.000A0- | 12                         |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹      |
| DC150-03-12.100A0- | 12,1                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC150-03-12.200A0- | 12,2                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC150-03-12.250A0- | 12,25                      |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC150-03-12.300A0- | 12,3                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC150-03-12.303A0- | 12,303                     | 31/64"                 | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC150-03-12.500A0- | 12,5                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC150-03-12.700A0- | 12,700                     | 1/2"                   | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC150-03-12.800A0- | 12,8                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC150-03-13.000A0- | 13                         |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC150-03-13.100A0- | 13,1                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC150-03-13.300A0- | 13,3                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC150-03-13.494A0- | 13,494                     | 17/32"                 | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC150-03-13.500A0- | 13,5                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC150-03-14.000A0- | 14                         |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹      |
| DC150-03-14.200A0- | 14,2                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☹      |
| DC150-03-14.288A0- | 14,288                     | 9/16"                  | 45                   | 115                  | 65                   | 48                   | 16                         | ☹      |

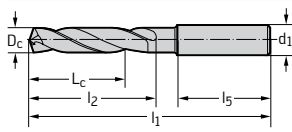
Пример заказа инструмента из сплава WJ30RE: DC150-03-03.000A0-WJ30RE

 WALTER  
SELECT

 ●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☹ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

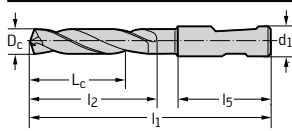


**Инструмент**



DIN 6535 HA

| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30RE |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC150-03-14.500A0- | 14,5                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
| DC150-03-14.700A0- | 14,7                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
| DC150-03-14.800A0- | 14,8                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
| DC150-03-15.000A0- | 15                         |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
| DC150-03-15.100A0- | 15,1                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
| DC150-03-15.500A0- | 15,5                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
| DC150-03-15.800A0- | 15,8                       |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
| DC150-03-15.875A0- | 15,875                     | 5/8"                   | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
| DC150-03-16.000A0- | 16                         |                        | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
| DC150-03-16.500A0- | 16,5                       |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☺      |
| DC150-03-16.750A0- | 16,75                      |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☺      |
| DC150-03-17.000A0- | 17                         |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☺      |
| DC150-03-17.500A0- | 17,5                       |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☺      |
| DC150-03-17.800A0- | 17,8                       |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☺      |
| DC150-03-18.000A0- | 18                         |                        | 51                   | 123                  | 73                   | 48                   | 18                         | ☺      |
| DC150-03-19.000A0- | 19                         |                        | 55                   | 131                  | 79                   | 50                   | 20                         | ☺      |
| DC150-03-20.000A0- | 20                         |                        | 55                   | 131                  | 79                   | 50                   | 20                         | ☺      |
| DC150-03-03.000D0- | 3                          |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
| DC150-03-03.100D0- | 3,1                        |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
| DC150-03-03.200D0- | 3,2                        |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
| DC150-03-03.300D0- | 3,3                        |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
| DC150-03-03.400D0- | 3,4                        |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
| DC150-03-03.500D0- | 3,5                        |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
| DC150-03-03.600D0- | 3,6                        |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
| DC150-03-03.700D0- | 3,7                        |                        | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
| DC150-03-03.800D0- | 3,8                        |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
| DC150-03-03.900D0- | 3,9                        |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
| DC150-03-04.000D0- | 4                          |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
| DC150-03-04.200D0- | 4,2                        |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
| DC150-03-04.300D0- | 4,3                        |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
| DC150-03-04.500D0- | 4,5                        |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
| DC150-03-04.650D0- | 4,65                       |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
| DC150-03-04.700D0- | 4,7                        |                        | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
| DC150-03-04.800D0- | 4,8                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC150-03-05.000D0- | 5                          |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC150-03-05.100D0- | 5,1                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC150-03-05.300D0- | 5,3                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC150-03-05.500D0- | 5,5                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC150-03-05.550D0- | 5,55                       |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC150-03-05.600D0- | 5,6                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC150-03-05.800D0- | 5,8                        |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC150-03-06.000D0- | 6                          |                        | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC150-03-06.100D0- | 6,1                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC150-03-06.200D0- | 6,2                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC150-03-06.300D0- | 6,3                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC150-03-06.500D0- | 6,5                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |



DIN 6535 HE, turned 180° DIN 6535 HB

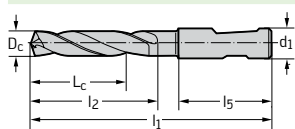
Пример заказа инструмента из сплава WJ30RE: DC150-03-03.000A0-WJ30RE

**WALTER SELECT** ●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки

☺ ☹ ☹☹ / \* = Новый инструмент

B1

## Инструмент



DIN 6535 HE, turned 180° DIN 6535 HB

| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30RE |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC150-03-06.600D0- | 6,6                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☹☹     |
| DC150-03-06.700D0- | 6,7                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☹☹     |
| DC150-03-06.800D0- | 6,8                        |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☹☹     |
| DC150-03-07.000D0- | 7                          |                        | 24                   | 79                   | 34                   | 36                   | 8                          | ☹☹     |
| DC150-03-07.100D0- | 7,1                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☹☹     |
| DC150-03-07.400D0- | 7,4                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☹☹     |
| DC150-03-07.500D0- | 7,5                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☹☹     |
| DC150-03-07.600D0- | 7,6                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☹☹     |
| DC150-03-07.800D0- | 7,8                        |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☹☹     |
| DC150-03-08.000D0- | 8                          |                        | 29                   | 79                   | 41                   | 36                   | 8                          | ☹☹     |
| DC150-03-08.200D0- | 8,2                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹☹     |
| DC150-03-08.300D0- | 8,3                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹☹     |
| DC150-03-08.500D0- | 8,5                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹☹     |
| DC150-03-08.600D0- | 8,6                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹☹     |
| DC150-03-08.700D0- | 8,7                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹☹     |
| DC150-03-08.800D0- | 8,8                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹☹     |
| DC150-03-09.000D0- | 9                          |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹☹     |
| DC150-03-09.100D0- | 9,1                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹☹     |
| DC150-03-09.500D0- | 9,5                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹☹     |
| DC150-03-09.700D0- | 9,5                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹☹     |
| DC150-03-09.800D0- | 9,8                        |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹☹     |
| DC150-03-10.000D0- | 10                         |                        | 35                   | 89                   | 47                   | 40                   | 10                         | ☹☹     |
| DC150-03-10.100D0- | 10,1                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹☹     |
| DC150-03-10.200D0- | 10,2                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹☹     |
| DC150-03-10.300D0- | 10,3                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹☹     |
| DC150-03-10.400D0- | 10,4                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹☹     |
| DC150-03-10.500D0- | 10,5                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹☹     |
| DC150-03-10.800D0- | 10,8                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹☹     |
| DC150-03-10.900D0- | 10,9                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹☹     |
| DC150-03-11.000D0- | 11                         |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹☹     |
| DC150-03-11.100D0- | 11,1                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹☹     |
| DC150-03-11.200D0- | 11,2                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹☹     |
| DC150-03-11.300D0- | 11,3                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹☹     |
| DC150-03-11.500D0- | 11,5                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹☹     |
| DC150-03-11.600D0- | 11,6                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹☹     |
| DC150-03-11.800D0- | 11,8                       |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹☹     |
| DC150-03-12.000D0- | 12                         |                        | 40                   | 102                  | 55                   | 45                   | 12                         | ☹☹     |
| DC150-03-12.200D0- | 12,2                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹☹     |
| DC150-03-12.500D0- | 12,5                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹☹     |
| DC150-03-13.000D0- | 13                         |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹☹     |
| DC150-03-13.200D0- | 13,2                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹☹     |
| DC150-03-13.300D0- | 13,3                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹☹     |
| DC150-03-13.400D0- | 13,4                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹☹     |
| DC150-03-13.500D0- | 13,5                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹☹     |
| DC150-03-13.600D0- | 13,6                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹☹     |
| DC150-03-13.800D0- | 13,8                       |                        | 43                   | 107                  | 60                   | 45                   | 14                         | ☹☹     |

Пример заказа инструмента из сплава WJ30RE: DC150-03-03.000A0-WJ30RE

**WALTER  
SELECT**

 ●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☹☹ → нормальных = ☹☹ → неблагоприятных = ☹☹☹ условий обработки

| Инструмент                               | Обозначение        | $D_c$    | $D_c$ Inch/Nr | $L_c$ | $l_1$ | $l_2$ | $l_5$    | $d_1$ | WJ30RE |
|--|--------------------|----------|---------------|-------|-------|-------|----------|-------|--------|
|  |                    | m7<br>mm |               | mm    | mm    | mm    | h6<br>mm |       |        |
| <br>DIN 6535 HE, turned 180° DIN 6535 HB | DC150-03-14.000D0- | 14       |               | 43    | 107   | 60    | 45       | 14    | ☺      |
|  | DC150-03-15.000D0- | 15       |               | 45    | 115   | 65    | 48       | 16    | ☺      |
|  | DC150-03-15.100D0- | 15,1     |               | 45    | 115   | 65    | 48       | 16    | ☺      |
|  | DC150-03-16.000D0- | 16       |               | 45    | 115   | 65    | 48       | 16    | ☺      |
|  | DC150-03-16.500D0- | 16,5     |               | 51    | 123   | 73    | 48       | 18    | ☺      |
|  | DC150-03-17.000D0- | 17       |               | 51    | 123   | 73    | 48       | 18    | ☺      |
|  | DC150-03-17.500D0- | 17,5     |               | 51    | 123   | 73    | 48       | 18    | ☺      |
|  | DC150-03-18.000D0- | 18       |               | 51    | 123   | 73    | 48       | 18    | ☺      |
|  | DC150-03-18.500D0- | 18,5     |               | 55    | 131   | 79    | 50       | 20    | ☺      |
|  | DC150-03-19.000D0- | 19       |               | 55    | 131   | 79    | 50       | 20    | ☺      |
|  | DC150-03-20.000D0- | 20       |               | 55    | 131   | 79    | 50       | 20    | ☺      |

Пример заказа инструмента из сплава WJ30RE: DC150-03-03.000A0-WJ30RE

B1

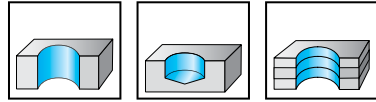
**WALTER  
SELECT**

●● Основная область применения    ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки

# Свёрла спиральные цельные твердосплавные A1163



– Тип N



|              |   |   |   |    |   |   |    |
|--------------|---|---|---|----|---|---|----|
|              | P | M | K | N  | S | H | O  |
| без покрытия |   |   | ● | ●● | ● |   | ●● |

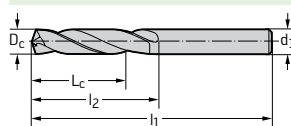
B1

| Инструмент               | Обозначение | D <sub>c</sub><br>h7<br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>h6<br>mm |
|--------------------------|-------------|----------------------------|----------------------|----------------------|----------------------|----------------------------|
| <p>Cylindrical shank</p> | A1163-1     | 1                          | 4                    | 26                   | 6                    | 1                          |
|                          | A1163-1.1   | 1.1                        | 5                    | 28                   | 7                    | 1.1                        |
|                          | A1163-1.2   | 1.2                        | 6                    | 30                   | 8                    | 1.2                        |
|                          | A1163-1.3   | 1.3                        | 6                    | 30                   | 8                    | 1.3                        |
|                          | A1163-1.4   | 1.4                        | 6                    | 32                   | 9                    | 1.4                        |
|                          | A1163-1.5   | 1.5                        | 6                    | 32                   | 9                    | 1.5                        |
|                          | A1163-1.6   | 1.6                        | 7                    | 34                   | 10                   | 1.6                        |
|                          | A1163-1.7   | 1.7                        | 7                    | 34                   | 10                   | 1.7                        |
|                          | A1163-1.8   | 1.8                        | 8                    | 36                   | 11                   | 1.8                        |
|                          | A1163-1.9   | 1.9                        | 8                    | 36                   | 11                   | 1.9                        |
|                          | A1163-2     | 2                          | 8                    | 38                   | 12                   | 2                          |
|                          | A1163-2.1   | 2.1                        | 8                    | 38                   | 12                   | 2.1                        |
|                          | A1163-2.2   | 2.2                        | 9                    | 40                   | 13                   | 2.2                        |
|                          | A1163-2.3   | 2.3                        | 9                    | 40                   | 13                   | 2.3                        |
|                          | A1163-2.4   | 2.4                        | 10                   | 43                   | 14                   | 2.4                        |
|                          | A1163-2.5   | 2.5                        | 10                   | 43                   | 14                   | 2.5                        |
|                          | A1163-2.6   | 2.6                        | 10                   | 43                   | 14                   | 2.6                        |
|                          | A1163-2.7   | 2.7                        | 11                   | 46                   | 16                   | 2.7                        |
|                          | A1163-2.8   | 2.8                        | 11                   | 46                   | 16                   | 2.8                        |
|                          | A1163-2.9   | 2.9                        | 11                   | 46                   | 16                   | 2.9                        |
|                          | A1163-3     | 3                          | 11                   | 46                   | 16                   | 3                          |
|                          | A1163-3.1   | 3.1                        | 12                   | 49                   | 18                   | 3.1                        |
|                          | A1163-3.2   | 3.2                        | 12                   | 49                   | 18                   | 3.2                        |
|                          | A1163-3.3   | 3.3                        | 12                   | 49                   | 18                   | 3.3                        |
|                          | A1163-3.4   | 3.4                        | 14                   | 52                   | 20                   | 3.4                        |
|                          | A1163-3.5   | 3.5                        | 14                   | 52                   | 20                   | 3.5                        |
|                          | A1163-3.6   | 3.6                        | 14                   | 52                   | 20                   | 3.6                        |
|                          | A1163-3.7   | 3.7                        | 14                   | 52                   | 20                   | 3.7                        |
|                          | A1163-3.8   | 3.8                        | 15                   | 55                   | 22                   | 3.8                        |
|                          | A1163-3.9   | 3.9                        | 15                   | 55                   | 22                   | 3.9                        |
|                          | A1163-4     | 4                          | 15                   | 55                   | 22                   | 4                          |
|                          | A1163-4.1   | 4.1                        | 15                   | 55                   | 22                   | 4.1                        |
|                          | A1163-4.2   | 4.2                        | 15                   | 55                   | 22                   | 4.2                        |
|                          | A1163-4.3   | 4.3                        | 16                   | 58                   | 24                   | 4.3                        |
|                          | A1163-4.4   | 4.4                        | 16                   | 58                   | 24                   | 4.4                        |
|                          | A1163-4.5   | 4.5                        | 16                   | 58                   | 24                   | 4.5                        |

**WALTER  
SELECT**

●● Основная область применения    ● Возможная область применения  
 Оптимально подходит для → хороших = 😊 → нормальных = 😐 → неблагоприятных = ☹️ условий обработки

## Инструмент



Cylindrical shank

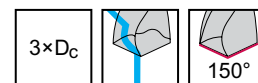
| Обозначение | D <sub>c</sub><br>h7<br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>h6<br>mm |
|-------------|----------------------------|----------------------|----------------------|----------------------|----------------------------|
| A1163-4.6   | 4,6                        | 16                   | 58                   | 24                   | 4,6                        |
| A1163-4.7   | 4,7                        | 16                   | 58                   | 24                   | 4,7                        |
| A1163-4.8   | 4,8                        | 18                   | 62                   | 26                   | 4,8                        |
| A1163-4.9   | 4,9                        | 18                   | 62                   | 26                   | 4,9                        |
| A1163-5     | 5                          | 18                   | 62                   | 26                   | 5                          |
| A1163-5.1   | 5,1                        | 18                   | 62                   | 26                   | 5,1                        |
| A1163-5.2   | 5,2                        | 18                   | 62                   | 26                   | 5,2                        |
| A1163-5.3   | 5,3                        | 18                   | 62                   | 26                   | 5,3                        |
| A1163-5.4   | 5,4                        | 19                   | 66                   | 28                   | 5,4                        |
| A1163-5.5   | 5,5                        | 19                   | 66                   | 28                   | 5,5                        |
| A1163-5.6   | 5,6                        | 19                   | 66                   | 28                   | 5,6                        |
| A1163-5.7   | 5,7                        | 19                   | 66                   | 28                   | 5,7                        |
| A1163-5.8   | 5,8                        | 19                   | 66                   | 28                   | 5,8                        |
| A1163-5.9   | 5,9                        | 19                   | 66                   | 28                   | 5,9                        |
| A1163-6     | 6                          | 19                   | 66                   | 28                   | 6                          |
| A1163-6.1   | 6,1                        | 20                   | 70                   | 31                   | 6,1                        |
| A1163-6.2   | 6,2                        | 20                   | 70                   | 31                   | 6,2                        |
| A1163-6.3   | 6,3                        | 20                   | 70                   | 31                   | 6,3                        |
| A1163-6.4   | 6,4                        | 20                   | 70                   | 31                   | 6,4                        |
| A1163-6.5   | 6,5                        | 20                   | 70                   | 31                   | 6,5                        |
| A1163-6.6   | 6,6                        | 20                   | 70                   | 31                   | 6,6                        |
| A1163-6.7   | 6,7                        | 20                   | 70                   | 31                   | 6,7                        |
| A1163-6.8   | 6,8                        | 22                   | 74                   | 34                   | 6,8                        |
| A1163-6.9   | 6,9                        | 22                   | 74                   | 34                   | 6,9                        |
| A1163-7     | 7                          | 22                   | 74                   | 34                   | 7                          |
| A1163-7.1   | 7,1                        | 22                   | 74                   | 34                   | 7,1                        |
| A1163-7.2   | 7,2                        | 22                   | 74                   | 34                   | 7,2                        |
| A1163-7.3   | 7,3                        | 22                   | 74                   | 34                   | 7,3                        |
| A1163-7.4   | 7,4                        | 22                   | 74                   | 34                   | 7,4                        |
| A1163-7.5   | 7,5                        | 22                   | 74                   | 34                   | 7,5                        |
| A1163-7.6   | 7,6                        | 25                   | 79                   | 37                   | 7,6                        |
| A1163-7.7   | 7,7                        | 25                   | 79                   | 37                   | 7,7                        |
| A1163-7.8   | 7,8                        | 25                   | 79                   | 37                   | 7,8                        |
| A1163-7.9   | 7,9                        | 25                   | 79                   | 37                   | 7,9                        |
| A1163-8     | 8                          | 25                   | 79                   | 37                   | 8                          |
| A1163-8.1   | 8,1                        | 24                   | 79                   | 37                   | 8,1                        |
| A1163-8.2   | 8,2                        | 24                   | 79                   | 37                   | 8,2                        |
| A1163-8.3   | 8,3                        | 24                   | 79                   | 37                   | 8,3                        |
| A1163-8.4   | 8,4                        | 24                   | 79                   | 37                   | 8,4                        |
| A1163-8.5   | 8,5                        | 24                   | 79                   | 37                   | 8,5                        |
| A1163-8.6   | 8,6                        | 25                   | 84                   | 40                   | 8,6                        |
| A1163-8.7   | 8,7                        | 25                   | 84                   | 40                   | 8,7                        |
| A1163-8.8   | 8,8                        | 25                   | 84                   | 40                   | 8,8                        |
| A1163-9     | 9                          | 25                   | 84                   | 40                   | 9                          |
| A1163-9.3   | 9,3                        | 25                   | 84                   | 40                   | 9,3                        |
| A1163-9.5   | 9,5                        | 25                   | 84                   | 40                   | 9,5                        |
| A1163-9.7   | 9,7                        | 28                   | 89                   | 43                   | 9,7                        |
| A1163-9.8   | 9,8                        | 28                   | 89                   | 43                   | 9,8                        |
| A1163-10    | 10                         | 28                   | 89                   | 43                   | 10                         |
| A1163-10.2  | 10,2                       | 27                   | 89                   | 43                   | 10,2                       |
| A1163-10.5  | 10,5                       | 27                   | 89                   | 43                   | 10,5                       |
| A1163-11    | 11                         | 29                   | 95                   | 47                   | 11                         |
| A1163-11.5  | 11,5                       | 29                   | 95                   | 47                   | 11,5                       |
| A1163-12    | 12                         | 33                   | 102                  | 51                   | 12                         |

WALTER  
SELECT

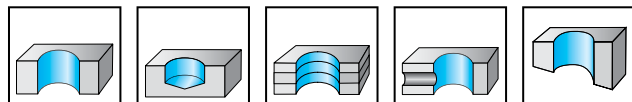
●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

# Спиральное сверло из твердого сплава с 3 фрезами

## A1166TIN / A1166



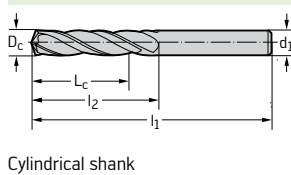
– Общая длина DIN 6539, канавки в по сравнению с DIN 6539 удлинены



|              | P | M | K | N | S | H | O |
|--------------|---|---|---|---|---|---|---|
| TIN          | ● |   |   |   |   | ● |   |
| без покрытия | ● |   |   | ● | ● | ● |   |

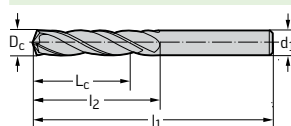
B1

| Инструмент | Обозначение   | D <sub>c</sub><br>h7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>h6<br>mm |
|------------|---------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------------|
|            | A1166TIN-3    | 3                          |                        | 17                   | 46                   | 22                   | 3                          |
|            | A1166TIN-3.3  | 3,3                        |                        | 18                   | 49                   | 24                   | 3,3                        |
|            | A1166TIN-4    | 4                          |                        | 23                   | 55                   | 30                   | 4                          |
|            | A1166TIN-4.2  | 4,2                        |                        | 23                   | 55                   | 30                   | 4,2                        |
|            | A1166TIN-4.5  | 4,5                        |                        | 24                   | 58                   | 32                   | 4,5                        |
|            | A1166TIN-5    | 5                          |                        | 27                   | 62                   | 35                   | 5                          |
|            | A1166TIN-5.5  | 5,5                        |                        | 30                   | 66                   | 39                   | 5,5                        |
|            | A1166TIN-6    | 6                          |                        | 30                   | 66                   | 39                   | 6                          |
|            | A1166TIN-6.8  | 6,8                        |                        | 33                   | 74                   | 45                   | 6,8                        |
|            | A1166TIN-7    | 7                          |                        | 33                   | 74                   | 45                   | 7                          |
|            | A1166TIN-7.8  | 7,8                        |                        | 35                   | 79                   | 48                   | 7,8                        |
|            | A1166TIN-8    | 8                          |                        | 35                   | 79                   | 48                   | 8                          |
|            | A1166TIN-10   | 10                         |                        | 39                   | 89                   | 55                   | 10                         |
|            | A1166TIN-10.5 | 10,5                       |                        | 39                   | 89                   | 55                   | 10,5                       |
|            | A1166TIN-14   | 14                         |                        | 52                   | 107                  | 66                   | 14                         |
|            | A1166-3       | 3                          |                        | 17                   | 46                   | 22                   | 3                          |
|            | A1166-3.1     | 3,1                        |                        | 18                   | 49                   | 24                   | 3,1                        |
|            | A1166-1/8IN   | 3,175                      | 1/8"                   | 18                   | 49                   | 24                   | 3,175                      |
|            | A1166-3.2     | 3,2                        |                        | 18                   | 49                   | 24                   | 3,2                        |
|            | A1166-3.3     | 3,3                        |                        | 18                   | 49                   | 24                   | 3,3                        |
|            | A1166-3.4     | 3,4                        |                        | 21                   | 52                   | 27                   | 3,4                        |
|            | A1166-3.5     | 3,5                        |                        | 21                   | 52                   | 27                   | 3,5                        |
|            | A1166-9/64IN  | 3,572                      | 9/64"                  | 21                   | 52                   | 27                   | 3,572                      |
|            | A1166-3.6     | 3,6                        |                        | 21                   | 52                   | 27                   | 3,6                        |
|            | A1166-3.7     | 3,7                        |                        | 21                   | 52                   | 27                   | 3,7                        |
|            | A1166-3.8     | 3,8                        |                        | 23                   | 55                   | 30                   | 3,8                        |
|            | A1166-3.9     | 3,9                        |                        | 23                   | 55                   | 30                   | 3,9                        |
|            | A1166-4       | 4                          |                        | 23                   | 55                   | 30                   | 4                          |
|            | A1166-4.1     | 4,1                        |                        | 23                   | 55                   | 30                   | 4,1                        |
|            | A1166-4.2     | 4,2                        |                        | 23                   | 55                   | 30                   | 4,2                        |
|            | A1166-4.3     | 4,3                        |                        | 24                   | 58                   | 32                   | 4,3                        |
|            | A1166-4.4     | 4,4                        |                        | 24                   | 58                   | 32                   | 4,4                        |
|            | A1166-4.5     | 4,5                        |                        | 24                   | 58                   | 32                   | 4,5                        |
|            | A1166-4.6     | 4,6                        |                        | 24                   | 58                   | 32                   | 4,6                        |
|            | A1166-4.7     | 4,7                        |                        | 24                   | 58                   | 32                   | 4,7                        |
|            | A1166-3/16IN  | 4,763                      | 3/16"                  | 27                   | 62                   | 35                   | 4,763                      |



●● Основная область применения    ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки

## Инструмент



Cylindrical shank

| Обозначение   | D <sub>c</sub><br>h7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>h6<br>mm |
|---------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------------|
| A1166-4.8     | 4,8                        |                        | 27                   | 62                   | 35                   | 4,8                        |
| A1166-4.9     | 4,9                        |                        | 27                   | 62                   | 35                   | 4,9                        |
| A1166-5       | 5                          |                        | 27                   | 62                   | 35                   | 5                          |
| A1166-5.1     | 5,1                        |                        | 27                   | 62                   | 35                   | 5,1                        |
| A1166-13/64IN | 5,159                      | 13/64"                 | 27                   | 62                   | 35                   | 5,159                      |
| A1166-5.2     | 5,2                        |                        | 27                   | 62                   | 35                   | 5,2                        |
| A1166-5.3     | 5,3                        |                        | 27                   | 62                   | 35                   | 5,3                        |
| A1166-5.4     | 5,4                        |                        | 30                   | 66                   | 39                   | 5,4                        |
| A1166-5.5     | 5,5                        |                        | 30                   | 66                   | 39                   | 5,5                        |
| A1166-5.6     | 5,6                        |                        | 30                   | 66                   | 39                   | 5,6                        |
| A1166-5.7     | 5,7                        |                        | 30                   | 66                   | 39                   | 5,7                        |
| A1166-5.8     | 5,8                        |                        | 30                   | 66                   | 39                   | 5,8                        |
| A1166-6       | 6                          |                        | 30                   | 66                   | 39                   | 6                          |
| A1166-6.1     | 6,1                        |                        | 31                   | 70                   | 42                   | 6,1                        |
| A1166-6.2     | 6,2                        |                        | 31                   | 70                   | 42                   | 6,2                        |
| A1166-6.3     | 6,3                        |                        | 31                   | 70                   | 42                   | 6,3                        |
| A1166-1/4IN   | 6,350                      | 1/4"                   | 31                   | 70                   | 42                   | 6,35                       |
| A1166-6.4     | 6,4                        |                        | 31                   | 70                   | 42                   | 6,4                        |
| A1166-6.5     | 6,5                        |                        | 31                   | 70                   | 42                   | 6,5                        |
| A1166-6.6     | 6,6                        |                        | 31                   | 70                   | 42                   | 6,6                        |
| A1166-6.7     | 6,7                        |                        | 31                   | 70                   | 42                   | 6,7                        |
| A1166-6.8     | 6,8                        |                        | 33                   | 74                   | 45                   | 6,8                        |
| A1166-6.9     | 6,9                        |                        | 33                   | 74                   | 45                   | 6,9                        |
| A1166-7       | 7                          |                        | 33                   | 74                   | 45                   | 7                          |
| A1166-7.1     | 7,1                        |                        | 33                   | 74                   | 45                   | 7,1                        |
| A1166-7.2     | 7,2                        |                        | 33                   | 74                   | 45                   | 7,2                        |
| A1166-7.3     | 7,3                        |                        | 33                   | 74                   | 45                   | 7,3                        |
| A1166-7.4     | 7,4                        |                        | 33                   | 74                   | 45                   | 7,4                        |
| A1166-7.5     | 7,5                        |                        | 33                   | 74                   | 45                   | 7,5                        |
| A1166-7.8     | 7,8                        |                        | 35                   | 79                   | 48                   | 7,8                        |
| A1166-8       | 8                          |                        | 35                   | 79                   | 48                   | 8                          |
| A1166-8.1     | 8,1                        |                        | 35                   | 79                   | 48                   | 8,1                        |
| A1166-8.2     | 8,2                        |                        | 35                   | 79                   | 48                   | 8,2                        |
| A1166-8.3     | 8,3                        |                        | 35                   | 79                   | 48                   | 8,3                        |
| A1166-8.5     | 8,5                        |                        | 35                   | 79                   | 48                   | 8,5                        |
| A1166-8.6     | 8,6                        |                        | 37                   | 84                   | 52                   | 8,6                        |
| A1166-8.8     | 8,8                        |                        | 37                   | 84                   | 52                   | 8,8                        |
| A1166-9       | 9                          |                        | 37                   | 84                   | 52                   | 9                          |
| A1166-9.5     | 9,5                        |                        | 37                   | 84                   | 52                   | 9,5                        |
| A1166-9.6     | 9,6                        |                        | 39                   | 89                   | 55                   | 9,6                        |
| A1166-9.8     | 9,8                        |                        | 39                   | 89                   | 55                   | 9,8                        |
| A1166-10      | 10                         |                        | 39                   | 89                   | 55                   | 10                         |
| A1166-10.2    | 10,2                       |                        | 39                   | 89                   | 55                   | 10,2                       |
| A1166-10.3    | 10,3                       |                        | 39                   | 89                   | 55                   | 10,3                       |
| A1166-11      | 11                         |                        | 42                   | 95                   | 60                   | 11                         |
| A1166-11.8    | 11,8                       |                        | 42                   | 95                   | 60                   | 11,8                       |
| A1166-12      | 12                         |                        | 51                   | 102                  | 65                   | 12                         |
| A1166-12.5    | 12,5                       |                        | 51                   | 102                  | 65                   | 12,5                       |
| A1166-12.9    | 12,9                       |                        | 51                   | 102                  | 65                   | 12,9                       |
| A1166-13      | 13                         |                        | 51                   | 102                  | 65                   | 13                         |
| A1166-14      | 14                         |                        | 52                   | 107                  | 66                   | 14                         |
| A1166-15      | 15                         |                        | 55                   | 111                  | 70                   | 15                         |
| A1166-18      | 18                         |                        | 58                   | 123                  | 76                   | 18                         |

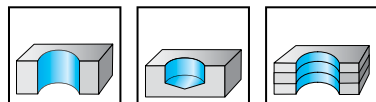
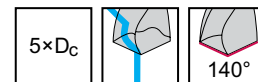
B1

WALTER  
SELECT

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

# Сверла малоразмерные твердосплавные

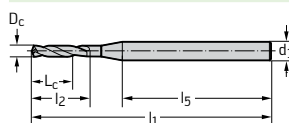
## DB133 Supreme



|        |    |   |    |    |   |   |   |
|--------|----|---|----|----|---|---|---|
|        | P  | M | K  | N  | S | H | O |
| WJ30EL | ●● |   | ●● | ●● | ● | ● | ● |

B1

### Инструмент



DIN 6535 HA

| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30EL |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DB133-05-00.500A0- | 0,5                        |                        | 3,2                  | 47                   | 4                    | 36                   | 3                          | ☹      |
| DB133-05-00.550A0- | 0,55                       |                        | 4,1                  | 47                   | 5                    | 35                   | 3                          | ☹      |
| DB133-05-00.600A0- | 0,6                        |                        | 4,1                  | 47                   | 5                    | 35                   | 3                          | ☹      |
| DB133-05-00.650A0- | 0,65                       |                        | 5                    | 47                   | 6                    | 34                   | 3                          | ☹      |
| DB133-05-00.700A0- | 0,7                        |                        | 4,9                  | 48                   | 6                    | 35                   | 3                          | ☹      |
| DB133-05-00.750A0- | 0,75                       |                        | 5,8                  | 48                   | 7                    | 34                   | 3                          | ☹      |
| DB133-05-00.794A0- | 0,794                      | 1/32"                  | 5,8                  | 48                   | 7                    | 34                   | 3                          | ☹      |
| DB133-05-00.800A0- | 0,8                        |                        | 5,8                  | 48                   | 7                    | 34                   | 3                          | ☹      |
| DB133-05-00.850A0- | 0,85                       |                        | 6,6                  | 50                   | 8                    | 35                   | 3                          | ☹      |
| DB133-05-00.880A0- | 0,88                       |                        | 6,6                  | 50                   | 8                    | 35                   | 3                          | ☹      |
| DB133-05-00.900A0- | 0,9                        |                        | 6,6                  | 50                   | 8                    | 35                   | 3                          | ☹      |
| DB133-05-00.950A0- | 0,95                       |                        | 7,5                  | 50                   | 9                    | 34                   | 3                          | ☹      |
| DB133-05-01.000A0- | 1                          |                        | 7,5                  | 50                   | 9                    | 34                   | 3                          | ☹      |
| DB133-05-01.050A0- | 1,05                       |                        | 7                    | 51                   | 9                    | 36                   | 3                          | ☹      |
| DB133-05-01.080A0- | 1,08                       |                        | 7                    | 51                   | 9                    | 36                   | 3                          | ☹      |
| DB133-05-01.100A0- | 1,1                        |                        | 7                    | 51                   | 9                    | 36                   | 3                          | ☹      |
| DB133-05-01.150A0- | 1,15                       |                        | 8                    | 51                   | 10                   | 35                   | 3                          | ☹      |
| DB133-05-01.191A0- | 1,191                      | 3/64"                  | 8                    | 51                   | 10                   | 35                   | 3                          | ☹      |
| DB133-05-01.200A0- | 1,2                        |                        | 8                    | 51                   | 10                   | 35                   | 3                          | ☹      |
| DB133-05-01.250A0- | 1,25                       |                        | 9                    | 51                   | 11                   | 34                   | 3                          | ☹      |
| DB133-05-01.300A0- | 1,3                        |                        | 9                    | 53                   | 11                   | 36                   | 3                          | ☹      |
| DB133-05-01.350A0- | 1,35                       |                        | 9                    | 53                   | 12                   | 35                   | 3                          | ☹      |
| DB133-05-01.400A0- | 1,4                        |                        | 9                    | 53                   | 12                   | 35                   | 3                          | ☹      |
| DB133-05-01.450A0- | 1,45                       |                        | 10                   | 53                   | 13                   | 34                   | 3                          | ☹      |
| DB133-05-01.500A0- | 1,5                        |                        | 10                   | 53                   | 13                   | 34                   | 3                          | ☹      |
| DB133-05-01.550A0- | 1,55                       |                        | 11                   | 54                   | 14                   | 35                   | 3                          | ☹      |
| DB133-05-01.588A0- | 1,588                      | 1/16"                  | 11                   | 54                   | 14                   | 35                   | 3                          | ☹      |
| DB133-05-01.600A0- | 1,6                        |                        | 11                   | 54                   | 14                   | 35                   | 3                          | ☹      |
| DB133-05-01.650A0- | 1,65                       |                        | 11                   | 54                   | 14                   | 35                   | 3                          | ☹      |
| DB133-05-01.700A0- | 1,7                        |                        | 11                   | 54                   | 14                   | 35                   | 3                          | ☹      |
| DB133-05-01.750A0- | 1,75                       |                        | 12                   | 54                   | 15                   | 34                   | 3                          | ☹      |
| DB133-05-01.800A0- | 1,8                        |                        | 12                   | 54                   | 15                   | 34                   | 3                          | ☹      |
| DB133-05-01.820A0- | 1,82                       |                        | 13                   | 57                   | 16                   | 36                   | 3                          | ☹      |
| DB133-05-01.850A0- | 1,85                       |                        | 13                   | 57                   | 16                   | 36                   | 3                          | ☹      |
| DB133-05-01.900A0- | 1,9                        |                        | 13                   | 57                   | 16                   | 36                   | 3                          | ☹      |
| DB133-05-01.950A0- | 1,95                       |                        | 14                   | 57                   | 17                   | 35                   | 3                          | ☹      |

Пример заказа инструмента из сплава WJ30EL: DB133-05-00.500A0-WJ30EL

**WALTER  
SELECT**

 ●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☹ → нормальных = ☹ → неблагоприятных = ☹ условий обработки



| Инструмент         |                    | $D_c$<br>m7<br>mm | $D_c$<br>Inch/Nr | $L_c$<br>mm | $l_1$<br>mm | $l_2$<br>mm | $l_5$<br>mm | $d_1$<br>h6<br>mm | WJ30EL |
|--------------------|--------------------|-------------------|------------------|-------------|-------------|-------------|-------------|-------------------|--------|
| <p>DIN 6535 HA</p> | Обозначение        |                   |                  |             |             |             |             |                   |        |
|                    | DB133-05-01.984A0- | 1,984             | 5/64"            | 14          | 57          | 17          | 35          | 3                 | ☺      |
|                    | DB133-05-02.000A0- | 2                 |                  | 14          | 57          | 17          | 35          | 3                 | ☺      |
|                    | DB133-05-02.050A0- | 2,05              |                  | 14          | 57          | 18          | 35          | 3                 | ☺      |
|                    | DB133-05-02.100A0- | 2,1               |                  | 14          | 57          | 18          | 35          | 3                 | ☺      |
|                    | DB133-05-02.150A0- | 2,15              |                  | 15          | 57          | 19          | 34          | 3                 | ☺      |
|                    | DB133-05-02.200A0- | 2,2               |                  | 15          | 57          | 19          | 34          | 3                 | ☺      |
|                    | DB133-05-02.250A0- | 2,25              |                  | 16          | 59          | 20          | 35          | 3                 | ☺      |
|                    | DB133-05-02.300A0- | 2,3               |                  | 16          | 59          | 20          | 35          | 3                 | ☺      |
|                    | DB133-05-02.350A0- | 2,35              |                  | 16          | 59          | 20          | 35          | 3                 | ☺      |
|                    | DB133-05-02.381A0- | 2,381             | 3/32"            | 16          | 59          | 20          | 35          | 3                 | ☺      |
|                    | DB133-05-02.400A0- | 2,4               |                  | 16          | 59          | 20          | 35          | 3                 | ☺      |
|                    | DB133-05-02.450A0- | 2,45              |                  | 17          | 59          | 21          | 34          | 3                 | ☺      |
|                    | DB133-05-02.500A0- | 2,5               |                  | 17          | 59          | 21          | 34          | 3                 | ☺      |
|                    | DB133-05-02.550A0- | 2,55              |                  | 18          | 62          | 22          | 36          | 3                 | ☺      |
|                    | DB133-05-02.600A0- | 2,6               |                  | 18          | 62          | 22          | 36          | 3                 | ☺      |
|                    | DB133-05-02.650A0- | 2,65              |                  | 18          | 62          | 23          | 36          | 3                 | ☺      |
|                    | DB133-05-02.700A0- | 2,7               |                  | 18          | 62          | 23          | 36          | 3                 | ☺      |
|                    | DB133-05-02.750A0- | 2,75              |                  | 19          | 62          | 24          | 35          | 3                 | ☺      |
|                    | DB133-05-02.778A0- | 2,778             | 7/64"            | 19          | 62          | 24          | 35          | 3                 | ☺      |
| DB133-05-02.800A0- | 2,8                |                   | 19               | 62          | 24          | 35          | 3           | ☺                 |        |
| DB133-05-02.850A0- | 2,85               |                   | 20               | 62          | 25          | 34          | 3           | ☺                 |        |
| DB133-05-02.900A0- | 2,9                |                   | 20               | 62          | 25          | 34          | 3           | ☺                 |        |
| DB133-05-02.950A0- | 2,95               |                   | 20               | 62          | 25          | 34          | 3           | ☺                 |        |

Пример заказа инструмента из сплава WJ30EL: DB133-05-00.500A0-WJ30EL

WALTER  
SELECT

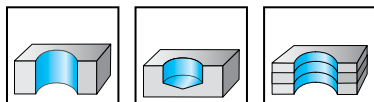
●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

# Свёрла малоразмерные твердосплавные

## DB130 Advance

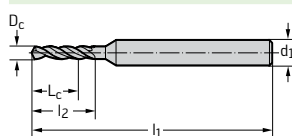


B1



|        |    |    |    |    |    |   |    |
|--------|----|----|----|----|----|---|----|
|        | P  | M  | K  | N  | S  | H | O  |
| WJ30UU | ●● | ●● | ●● | ●● | ●● |   | ●● |

### Инструмент



Cylindrical shank

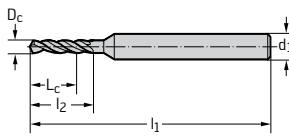
| Обозначение        | D <sub>c</sub><br>0-0,004<br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>h8<br>mm | WJ30UU |
|--------------------|---------------------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DB130-05-00.100U0- | 0,1                             | 0,3                  | 25                   | 0,5                  | 1                          | ☹      |
| DB130-05-00.110U0- | 0,11                            | 0,3                  | 25                   | 0,5                  | 1                          | ☹      |
| DB130-05-00.120U0- | 0,12                            | 0,3                  | 25                   | 0,5                  | 1                          | ☹      |
| DB130-05-00.130U0- | 0,13                            | 0,5                  | 25                   | 0,8                  | 1                          | ☹      |
| DB130-05-00.140U0- | 0,14                            | 0,5                  | 25                   | 0,8                  | 1                          | ☹      |
| DB130-05-00.150U0- | 0,15                            | 0,5                  | 25                   | 0,8                  | 1                          | ☹      |
| DB130-05-00.160U0- | 0,16                            | 0,8                  | 25                   | 1,1                  | 1                          | ☹      |
| DB130-05-00.170U0- | 0,17                            | 0,8                  | 25                   | 1,1                  | 1                          | ☹      |
| DB130-05-00.180U0- | 0,18                            | 0,8                  | 25                   | 1,1                  | 1                          | ☹      |
| DB130-05-00.190U0- | 0,19                            | 0,8                  | 25                   | 1,1                  | 1                          | ☹      |
| DB130-05-00.200U0- | 0,2                             | 1,1                  | 25                   | 1,5                  | 1                          | ☹      |
| DB130-05-00.210U0- | 0,21                            | 1,1                  | 25                   | 1,5                  | 1                          | ☹      |
| DB130-05-00.220U0- | 0,22                            | 1,1                  | 25                   | 1,5                  | 1                          | ☹      |
| DB130-05-00.230U0- | 0,23                            | 1,1                  | 25                   | 1,5                  | 1                          | ☹      |
| DB130-05-00.240U0- | 0,24                            | 1,1                  | 25                   | 1,5                  | 1                          | ☹      |
| DB130-05-00.250U0- | 0,25                            | 1,4                  | 25                   | 1,9                  | 1                          | ☹      |
| DB130-05-00.260U0- | 0,26                            | 1,4                  | 25                   | 1,9                  | 1                          | ☹      |
| DB130-05-00.270U0- | 0,27                            | 1,4                  | 25                   | 1,9                  | 1                          | ☹      |
| DB130-05-00.280U0- | 0,28                            | 1,4                  | 25                   | 1,9                  | 1                          | ☹      |
| DB130-05-00.290U0- | 0,29                            | 1,4                  | 25                   | 1,9                  | 1                          | ☹      |
| DB130-05-00.300U0- | 0,3                             | 1,4                  | 25                   | 1,9                  | 1                          | ☹      |
| DB130-05-00.310U0- | 0,31                            | 1,8                  | 25                   | 2,4                  | 1                          | ☹      |
| DB130-05-00.320U0- | 0,32                            | 1,8                  | 25                   | 2,4                  | 1                          | ☹      |
| DB130-05-00.330U0- | 0,33                            | 1,8                  | 25                   | 2,4                  | 1                          | ☹      |
| DB130-05-00.340U0- | 0,34                            | 1,8                  | 25                   | 2,4                  | 1                          | ☹      |
| DB130-05-00.350U0- | 0,35                            | 1,8                  | 25                   | 2,4                  | 1                          | ☹      |
| DB130-05-00.360U0- | 0,36                            | 1,8                  | 25                   | 2,4                  | 1                          | ☹      |
| DB130-05-00.370U0- | 0,37                            | 1,8                  | 25                   | 2,4                  | 1                          | ☹      |
| DB130-05-00.380U0- | 0,38                            | 1,8                  | 25                   | 2,4                  | 1                          | ☹      |
| DB130-05-00.390U0- | 0,39                            | 2,2                  | 25                   | 3                    | 1                          | ☹      |
| DB130-05-00.400U0- | 0,4                             | 2,2                  | 25                   | 3                    | 1                          | ☹      |
| DB130-05-00.410U0- | 0,41                            | 2,2                  | 25                   | 3                    | 1                          | ☹      |
| DB130-05-00.420U0- | 0,42                            | 2,2                  | 25                   | 3                    | 1                          | ☹      |
| DB130-05-00.430U0- | 0,43                            | 2,2                  | 25                   | 3                    | 1                          | ☹      |
| DB130-05-00.440U0- | 0,44                            | 2,2                  | 25                   | 3                    | 1                          | ☹      |
| DB130-05-00.450U0- | 0,45                            | 2,2                  | 25                   | 3                    | 1                          | ☹      |

Пример заказа инструмента из сплава WJ30UU: DB130-05-00.100U0-WJ30UU

**WALTER  
SELECT**

 ●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹☹ условий обработки

## Инструмент



Cylindrical shank

| Обозначение        | D <sub>c</sub><br>0-0,004<br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>h8<br>mm | WJ30UU |
|--------------------|---------------------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DB130-05-00.460U0- | 0,46                            | 2,2                  | 25                   | 3                    | 1                          | ☺      |
| DB130-05-00.470U0- | 0,47                            | 2,2                  | 25                   | 3                    | 1                          | ☺      |
| DB130-05-00.480U0- | 0,48                            | 2,2                  | 25                   | 3                    | 1                          | ☺      |
| DB130-05-00.490U0- | 0,49                            | 2,6                  | 25                   | 3,4                  | 1                          | ☺      |
| DB130-05-00.500U0- | 0,5                             | 2,6                  | 25                   | 3,4                  | 1                          | ☺      |
| DB130-05-00.510U0- | 0,51                            | 2,6                  | 25                   | 3,4                  | 1                          | ☺      |
| DB130-05-00.520U0- | 0,52                            | 2,6                  | 25                   | 3,4                  | 1                          | ☺      |
| DB130-05-00.530U0- | 0,53                            | 2,6                  | 25                   | 3,4                  | 1                          | ☺      |
| DB130-05-00.540U0- | 0,54                            | 3                    | 25                   | 3,9                  | 1                          | ☺      |
| DB130-05-00.550U0- | 0,55                            | 3                    | 25                   | 3,9                  | 1                          | ☺      |
| DB130-05-00.560U0- | 0,56                            | 3                    | 25                   | 3,9                  | 1                          | ☺      |
| DB130-05-00.570U0- | 0,57                            | 3                    | 25                   | 3,9                  | 1                          | ☺      |
| DB130-05-00.580U0- | 0,58                            | 3                    | 25                   | 3,9                  | 1                          | ☺      |
| DB130-05-00.590U0- | 0,59                            | 3                    | 25                   | 3,9                  | 1                          | ☺      |
| DB130-05-00.600U0- | 0,6                             | 3                    | 25                   | 3,9                  | 1                          | ☺      |
| DB130-05-00.610U0- | 0,61                            | 3,1                  | 25                   | 4,2                  | 1                          | ☺      |
| DB130-05-00.620U0- | 0,62                            | 3,1                  | 25                   | 4,2                  | 1                          | ☺      |
| DB130-05-00.630U0- | 0,63                            | 3,1                  | 25                   | 4,2                  | 1                          | ☺      |
| DB130-05-00.640U0- | 0,64                            | 3,1                  | 25                   | 4,2                  | 1                          | ☺      |
| DB130-05-00.650U0- | 0,65                            | 3,1                  | 25                   | 4,2                  | 1                          | ☺      |
| DB130-05-00.660U0- | 0,66                            | 3,1                  | 25                   | 4,2                  | 1                          | ☺      |
| DB130-05-00.670U0- | 0,67                            | 3,1                  | 25                   | 4,2                  | 1                          | ☺      |
| DB130-05-00.680U0- | 0,68                            | 3,6                  | 25                   | 4,8                  | 1                          | ☺      |
| DB130-05-00.690U0- | 0,69                            | 3,6                  | 25                   | 4,8                  | 1                          | ☺      |
| DB130-05-00.700U0- | 0,7                             | 3,6                  | 25                   | 4,8                  | 1                          | ☺      |
| DB130-05-00.710U0- | 0,71                            | 3,6                  | 25                   | 4,8                  | 1                          | ☺      |
| DB130-05-00.720U0- | 0,72                            | 3,6                  | 25                   | 4,8                  | 1                          | ☺      |
| DB130-05-00.730U0- | 0,73                            | 3,6                  | 25                   | 4,8                  | 1                          | ☺      |
| DB130-05-00.740U0- | 0,74                            | 3,6                  | 25                   | 4,8                  | 1                          | ☺      |
| DB130-05-00.750U0- | 0,75                            | 3,6                  | 25                   | 4,8                  | 1                          | ☺      |
| DB130-05-00.760U0- | 0,76                            | 4,1                  | 25                   | 5,3                  | 1                          | ☺      |
| DB130-05-00.770U0- | 0,77                            | 4,1                  | 25                   | 5,3                  | 1                          | ☺      |
| DB130-05-00.780U0- | 0,78                            | 4,1                  | 25                   | 5,3                  | 1                          | ☺      |
| DB130-05-00.790U0- | 0,79                            | 4,1                  | 25                   | 5,3                  | 1                          | ☺      |
| DB130-05-00.800U0- | 0,8                             | 4                    | 25                   | 5,3                  | 1,5                        | ☺      |
| DB130-05-00.810U0- | 0,81                            | 4                    | 25                   | 5,3                  | 1,5                        | ☺      |
| DB130-05-00.820U0- | 0,82                            | 4                    | 25                   | 5,3                  | 1,5                        | ☺      |
| DB130-05-00.830U0- | 0,83                            | 4                    | 25                   | 5,3                  | 1,5                        | ☺      |
| DB130-05-00.840U0- | 0,84                            | 4                    | 25                   | 5,3                  | 1,5                        | ☺      |
| DB130-05-00.850U0- | 0,85                            | 4                    | 25                   | 5,3                  | 1,5                        | ☺      |
| DB130-05-00.860U0- | 0,86                            | 4,5                  | 25                   | 6                    | 1,5                        | ☺      |
| DB130-05-00.870U0- | 0,87                            | 4,5                  | 25                   | 6                    | 1,5                        | ☺      |
| DB130-05-00.880U0- | 0,88                            | 4,5                  | 25                   | 6                    | 1,5                        | ☺      |
| DB130-05-00.890U0- | 0,89                            | 4,5                  | 25                   | 6                    | 1,5                        | ☺      |
| DB130-05-00.900U0- | 0,9                             | 4,5                  | 25                   | 6                    | 1,5                        | ☺      |
| DB130-05-00.910U0- | 0,91                            | 4,5                  | 25                   | 6                    | 1,5                        | ☺      |

Пример заказа инструмента из сплава WJ30UU: DB130-05-00.100U0-WJ30UU

WALTER  
SELECT

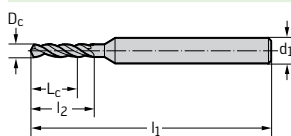
●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☺ → неблагоприятных = ☹ условий обработки

☺ ☹ ☹ / \* = Новый инструмент

Свёрла твердосплавные без внутреннего подвода СОЖ

B 11

## Инструмент



Cylindrical shank

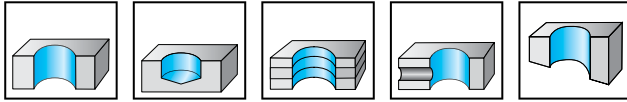
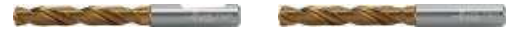
| Обозначение        | $D_c$<br>0-0,004<br>mm | $L_c$<br>mm | $l_1$<br>mm | $l_2$<br>mm | $d_1$<br>h8<br>mm | WJ30UU |
|--------------------|------------------------|-------------|-------------|-------------|-------------------|--------|
| DB130-05-00.920U0- | 0,92                   | 4,5         | 25          | 6           | 1,5               | ☺      |
| DB130-05-00.930U0- | 0,93                   | 4,5         | 25          | 6           | 1,5               | ☺      |
| DB130-05-00.940U0- | 0,94                   | 4,5         | 25          | 6           | 1,5               | ☺      |
| DB130-05-00.950U0- | 0,95                   | 4,5         | 25          | 6           | 1,5               | ☺      |
| DB130-05-00.960U0- | 0,96                   | 5           | 25          | 6,8         | 1,5               | ☺      |
| DB130-05-00.970U0- | 0,97                   | 5           | 25          | 6,8         | 1,5               | ☺      |
| DB130-05-00.980U0- | 0,98                   | 5           | 25          | 6,8         | 1,5               | ☺      |
| DB130-05-00.990U0- | 0,99                   | 5           | 25          | 6,8         | 1,5               | ☺      |
| DB130-05-01.000U0- | 1                      | 5           | 25          | 6,8         | 1,5               | ☺      |
| DB130-05-01.050U0- | 1,05                   | 5           | 25          | 6,8         | 1,5               | ☺      |
| DB130-05-01.100U0- | 1,1                    | 5           | 25          | 7,6         | 1,5               | ☺      |
| DB130-05-01.150U0- | 1,15                   | 5           | 25          | 7,6         | 1,5               | ☺      |
| DB130-05-01.200U0- | 1,2                    | 6           | 25          | 8,5         | 1,5               | ☺      |
| DB130-05-01.250U0- | 1,25                   | 6           | 25          | 8,5         | 1,5               | ☺      |
| DB130-05-01.300U0- | 1,3                    | 6           | 25          | 8,5         | 1,5               | ☺      |
| DB130-05-01.350U0- | 1,35                   | 7           | 25          | 9,5         | 1,5               | ☺      |
| DB130-05-01.400U0- | 1,4                    | 7           | 25          | 9,5         | 1,5               | ☺      |
| DB130-05-01.450U0- | 1,45                   | 7           | 25          | 9,5         | 1,5               | ☺      |

Пример заказа инструмента из сплава WJ30UU: DB130-05-00.100U0-WJ30UU

# Свёрла спиральные цельные твердосплавные

## DC160 Advance

### X-treme Evo



|    |   |    |   |   |   |   |
|----|---|----|---|---|---|---|
| P  | M | K  | N | S | H | O |
| ●● |   | ●● | ● | ● | ● | ● |

B1

| Инструмент | Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30ET |
|------------|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
|            | DC160-05-03.000A0- | 3                          |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|            | DC160-05-03.100A0- | 3,1                        |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|            | DC160-05-03.175A0- | 3,175                      | 1/8"                   | 23                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|            | DC160-05-03.200A0- | 3,2                        |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|            | DC160-05-03.250A0- | 3,25                       |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|            | DC160-05-03.300A0- | 3,3                        |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|            | DC160-05-03.400A0- | 3,4                        |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|            | DC160-05-03.500A0- | 3,5                        |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|            | DC160-05-03.572A0- | 3,572                      | 9/64"                  | 23                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|            | DC160-05-03.600A0- | 3,6                        |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|            | DC160-05-03.650A0- | 3,65                       |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|            | DC160-05-03.700A0- | 3,7                        |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☺      |
|            | DC160-05-03.800A0- | 3,8                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
|            | DC160-05-03.900A0- | 3,9                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
|            | DC160-05-03.969A0- | 3,969                      | 5/32"                  | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
|            | DC160-05-04.000A0- | 4                          |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
|            | DC160-05-04.100A0- | 4,1                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
|            | DC160-05-04.200A0- | 4,2                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
|            | DC160-05-04.300A0- | 4,3                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
|            | DC160-05-04.366A0- | 4,366                      | 11/64"                 | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
|            | DC160-05-04.400A0- | 4,4                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
|            | DC160-05-04.500A0- | 4,5                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
|            | DC160-05-04.600A0- | 4,6                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
|            | DC160-05-04.650A0- | 4,65                       |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
|            | DC160-05-04.700A0- | 4,7                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
|            | DC160-05-04.763A0- | 4,763                      | 3/16"                  | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
|            | DC160-05-04.800A0- | 4,8                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
|            | DC160-05-04.900A0- | 4,9                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
|            | DC160-05-05.000A0- | 5                          |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
|            | DC160-05-05.100A0- | 5,1                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
|            | DC160-05-05.159A0- | 5,159                      | 13/64"                 | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
|            | DC160-05-05.200A0- | 5,2                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
|            | DC160-05-05.300A0- | 5,3                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
|            | DC160-05-05.400A0- | 5,4                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
|            | DC160-05-05.500A0- | 5,5                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
|            | DC160-05-05.550A0- | 5,55                       |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |

Пример заказа инструмента из сплава WJ30ET: DC160-05-03.000A0-WJ30ET

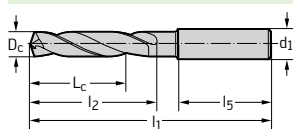
**WALTER SELECT**

☺☺ Основная область применения    ● Возможная область применения

Оптимально подходит для → хороших = ☺ → нормальных = ● → неблагоприятных = ☹ условий обработки

☺ ☹ ☹ / \* = Новый инструмент

## Инструмент



DIN 6535 HA

| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30ET |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC160-05-05.556A0- | 5,556                      | 7/32"                  | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC160-05-05.600A0- | 5,6                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC160-05-05.700A0- | 5,7                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC160-05-05.800A0- | 5,8                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC160-05-05.900A0- | 5,9                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC160-05-05.953A0- | 5,953                      | 15/64"                 | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC160-05-06.000A0- | 6                          |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC160-05-06.100A0- | 6,1                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC160-05-06.200A0- | 6,2                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC160-05-06.300A0- | 6,3                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC160-05-06.350A0- | 6,350                      | 1/4"                   | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC160-05-06.400A0- | 6,4                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC160-05-06.500A0- | 6,5                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC160-05-06.600A0- | 6,6                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC160-05-06.700A0- | 6,7                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC160-05-06.747A0- | 6,747                      | 17/64"                 | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC160-05-06.800A0- | 6,8                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC160-05-06.900A0- | 6,9                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC160-05-07.000A0- | 7                          |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC160-05-07.100A0- | 7,1                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC160-05-07.144A0- | 7,144                      | 9/32"                  | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC160-05-07.200A0- | 7,2                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC160-05-07.300A0- | 7,3                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC160-05-07.400A0- | 7,4                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC160-05-07.500A0- | 7,5                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC160-05-07.541A0- | 7,541                      | 19/64"                 | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC160-05-07.550A0- | 7,55                       |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC160-05-07.600A0- | 7,6                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC160-05-07.700A0- | 7,7                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC160-05-07.800A0- | 7,8                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC160-05-07.900A0- | 7,9                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC160-05-07.938A0- | 7,938                      | 5/16"                  | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC160-05-08.000A0- | 8                          |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹      |
| DC160-05-08.100A0- | 8,1                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC160-05-08.200A0- | 8,2                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC160-05-08.300A0- | 8,3                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC160-05-08.334A0- | 8,334                      | 21/64"                 | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC160-05-08.400A0- | 8,4                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC160-05-08.500A0- | 8,5                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC160-05-08.600A0- | 8,6                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC160-05-08.700A0- | 8,7                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC160-05-08.731A0- | 8,731                      | 11/32"                 | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC160-05-08.800A0- | 8,8                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC160-05-08.900A0- | 8,9                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC160-05-09.000A0- | 9                          |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |
| DC160-05-09.100A0- | 9,1                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹      |

Пример заказа инструмента из сплава WJ30ET: DC160-05-03.000A0-WJ30ET

**WALTER  
SELECT**

 ●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки

| Инструмент         |                    | $D_c$<br>m7<br>mm | $D_c$ Inch/Nr | $L_c$<br>mm | $l_1$<br>mm | $l_2$<br>mm | $l_5$<br>mm | $d_1$<br>h6<br>mm | WJ30ET |
|--------------------|--------------------|-------------------|---------------|-------------|-------------|-------------|-------------|-------------------|--------|
| <p>DIN 6535 HA</p> | Обозначение        |                   |               |             |             |             |             |                   |        |
|                    | DC160-05-09.128A0- | 9,128             | 23/64"        | 49          | 103         | 61          | 40          | 10                | ☺      |
|                    | DC160-05-09.300A0- | 9,3               |               | 49          | 103         | 61          | 40          | 10                | ☺      |
|                    | DC160-05-09.400A0- | 9,4               |               | 49          | 103         | 61          | 40          | 10                | ☺      |
|                    | DC160-05-09.500A0- | 9,5               |               | 49          | 103         | 61          | 40          | 10                | ☺      |
|                    | DC160-05-09.525A0- | 9,525             | 3/8"          | 49          | 103         | 61          | 40          | 10                | ☺      |
|                    | DC160-05-09.550A0- | 9,55              |               | 49          | 103         | 61          | 40          | 10                | ☺      |
|                    | DC160-05-09.600A0- | 9,6               |               | 49          | 103         | 61          | 40          | 10                | ☺      |
|                    | DC160-05-09.700A0- | 9,7               |               | 49          | 103         | 61          | 40          | 10                | ☺      |
|                    | DC160-05-09.800A0- | 9,8               |               | 49          | 103         | 61          | 40          | 10                | ☺      |
|                    | DC160-05-09.900A0- | 9,9               |               | 49          | 103         | 61          | 40          | 10                | ☺      |
|                    | DC160-05-09.922A0- | 9,922             | 25/64"        | 49          | 103         | 61          | 40          | 10                | ☺      |
|                    | DC160-05-10.000A0- | 10                |               | 49          | 103         | 61          | 40          | 10                | ☺      |
|                    | DC160-05-10.100A0- | 10,1              |               | 56          | 118         | 71          | 45          | 12                | ☺      |
|                    | DC160-05-10.200A0- | 10,2              |               | 56          | 118         | 71          | 45          | 12                | ☺      |
|                    | DC160-05-10.300A0- | 10,3              |               | 56          | 118         | 71          | 45          | 12                | ☺      |
|                    | DC160-05-10.319A0- | 10,319            | 13/32"        | 56          | 118         | 71          | 45          | 12                | ☺      |
|                    | DC160-05-10.400A0- | 10,4              |               | 56          | 118         | 71          | 45          | 12                | ☺      |
|                    | DC160-05-10.500A0- | 10,5              |               | 56          | 118         | 71          | 45          | 12                | ☺      |
|                    | DC160-05-10.600A0- | 10,6              |               | 56          | 118         | 71          | 45          | 12                | ☺      |
|                    | DC160-05-10.700A0- | 10,7              |               | 56          | 118         | 71          | 45          | 12                | ☺      |
|                    | DC160-05-10.716A0- | 10,716            | 27/64"        | 56          | 118         | 71          | 45          | 12                | ☺      |
|                    | DC160-05-10.800A0- | 10,8              |               | 56          | 118         | 71          | 45          | 12                | ☺      |
|                    | DC160-05-10.900A0- | 10,9              |               | 56          | 118         | 71          | 45          | 12                | ☺      |
|                    | DC160-05-11.000A0- | 11                |               | 56          | 118         | 71          | 45          | 12                | ☺      |
|                    | DC160-05-11.100A0- | 11,1              |               | 56          | 118         | 71          | 45          | 12                | ☺      |
|                    | DC160-05-11.113A0- | 11,113            | 7/16"         | 56          | 118         | 71          | 45          | 12                | ☺      |
|                    | DC160-05-11.200A0- | 11,2              |               | 56          | 118         | 71          | 45          | 12                | ☺      |
|                    | DC160-05-11.400A0- | 11,4              |               | 56          | 118         | 71          | 45          | 12                | ☺      |
|                    | DC160-05-11.500A0- | 11,5              |               | 56          | 118         | 71          | 45          | 12                | ☺      |
|                    | DC160-05-11.509A0- | 11,509            | 29/64"        | 56          | 118         | 71          | 45          | 12                | ☺      |
|                    | DC160-05-11.550A0- | 11,55             |               | 56          | 118         | 71          | 45          | 12                | ☺      |
|                    | DC160-05-11.600A0- | 11,6              |               | 56          | 118         | 71          | 45          | 12                | ☺      |
|                    | DC160-05-11.700A0- | 11,7              |               | 56          | 118         | 71          | 45          | 12                | ☺      |
| DC160-05-11.800A0- | 11,8               |                   | 56            | 118         | 71          | 45          | 12          | ☺                 |        |
| DC160-05-11.906A0- | 11,906             | 15/32"            | 56            | 118         | 71          | 45          | 12          | ☺                 |        |
| DC160-05-12.000A0- | 12                 |                   | 56            | 118         | 71          | 45          | 12          | ☺                 |        |
| DC160-05-12.100A0- | 12,1               |                   | 60            | 124         | 77          | 45          | 14          | ☺                 |        |
| DC160-05-12.200A0- | 12,2               |                   | 60            | 124         | 77          | 45          | 14          | ☺                 |        |
| DC160-05-12.250A0- | 12,25              |                   | 60            | 124         | 77          | 45          | 14          | ☺                 |        |
| DC160-05-12.300A0- | 12,3               |                   | 60            | 124         | 77          | 45          | 14          | ☺                 |        |
| DC160-05-12.400A0- | 12,4               |                   | 60            | 124         | 77          | 45          | 14          | ☺                 |        |
| DC160-05-12.500A0- | 12,5               |                   | 60            | 124         | 77          | 45          | 14          | ☺                 |        |
| DC160-05-12.600A0- | 12,6               |                   | 60            | 124         | 77          | 45          | 14          | ☺                 |        |
| DC160-05-12.700A0- | 12,700             | 1/2"              | 60            | 124         | 77          | 45          | 14          | ☺                 |        |
| DC160-05-12.750A0- | 12,75              |                   | 60            | 124         | 77          | 45          | 14          | ☺                 |        |
| DC160-05-12.800A0- | 12,8               |                   | 60            | 124         | 77          | 45          | 14          | ☺                 |        |

Пример заказа инструмента из сплава WJ30ET: DC160-05-03.000A0-WJ30ET

WALTER  
SELECT

●● Основная область применения ● Возможная область применения  
Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки

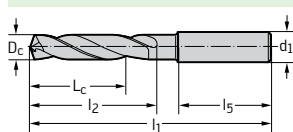
☺ ☹ ☹☹ / \* = Новый инструмент

Свёрла твердосплавные без внутреннего подвода СОЖ

B 175

B1

## Инструмент



DIN 6535 HA

| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>3</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30ET |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC160-05-12.900A0- | 12,9                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC160-05-13.000A0- | 13                         |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC160-05-13.100A0- | 13,1                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC160-05-13.200A0- | 13,2                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC160-05-13.300A0- | 13,3                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC160-05-13.400A0- | 13,4                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC160-05-13.494A0- | 13,494                     | 17/32"                 | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC160-05-13.500A0- | 13,5                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC160-05-13.600A0- | 13,6                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC160-05-13.700A0- | 13,7                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC160-05-13.800A0- | 13,8                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC160-05-13.900A0- | 13,9                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC160-05-14.000A0- | 14                         |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☹      |
| DC160-05-14.100A0- | 14,1                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-14.200A0- | 14,2                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-14.288A0- | 14,288                     | 9/16"                  | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-14.500A0- | 14,5                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-14.600A0- | 14,6                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-14.700A0- | 14,7                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-14.750A0- | 14,75                      |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-14.800A0- | 14,8                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-15.000A0- | 15                         |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-15.100A0- | 15,1                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-15.200A0- | 15,2                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-15.300A0- | 15,3                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-15.500A0- | 15,5                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-15.700A0- | 15,7                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-15.800A0- | 15,8                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-15.875A0- | 15,875                     | 5/8"                   | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-15.900A0- | 15,9                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-16.000A0- | 16                         |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-16.100A0- | 16,1                       |                        | 71                   | 143                  | 93                   | 48                   | 18                         | ☹      |
| DC160-05-16.300A0- | 16,3                       |                        | 71                   | 143                  | 93                   | 48                   | 18                         | ☹      |
| DC160-05-16.500A0- | 16,5                       |                        | 71                   | 143                  | 93                   | 48                   | 18                         | ☹      |
| DC160-05-16.600A0- | 16,6                       |                        | 71                   | 143                  | 93                   | 48                   | 18                         | ☹      |
| DC160-05-16.700A0- | 16,7                       |                        | 71                   | 143                  | 93                   | 48                   | 18                         | ☹      |
| DC160-05-16.750A0- | 16,75                      |                        | 71                   | 143                  | 93                   | 48                   | 18                         | ☹      |
| DC160-05-16.800A0- | 16,8                       |                        | 71                   | 143                  | 93                   | 48                   | 18                         | ☹      |
| DC160-05-17.000A0- | 17                         |                        | 71                   | 143                  | 93                   | 48                   | 18                         | ☹      |
| DC160-05-17.500A0- | 17,5                       |                        | 71                   | 143                  | 93                   | 48                   | 18                         | ☹      |
| DC160-05-17.700A0- | 17,7                       |                        | 71                   | 143                  | 93                   | 48                   | 18                         | ☹      |
| DC160-05-17.800A0- | 17,8                       |                        | 71                   | 143                  | 93                   | 48                   | 18                         | ☹      |
| DC160-05-18.000A0- | 18                         |                        | 71                   | 143                  | 93                   | 48                   | 18                         | ☹      |
| DC160-05-18.200A0- | 18,2                       |                        | 77                   | 153                  | 101                  | 50                   | 20                         | ☹      |
| DC160-05-18.700A0- | 18,7                       |                        | 77                   | 153                  | 101                  | 50                   | 20                         | ☹      |
| DC160-05-18.800A0- | 18,8                       |                        | 77                   | 153                  | 101                  | 50                   | 20                         | ☹      |

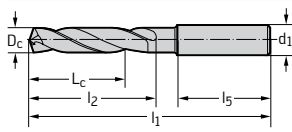
Пример заказа инструмента из сплава WJ30ET: DC160-05-03.000A0-WJ30ET

**WALTER  
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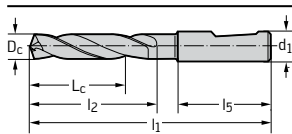
 ●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☹ → нормальных = ☹ → неблагоприятных = ☹ условий обработки



**Инструмент**



DIN 6535 HA



DIN 6535 HE

| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30ET |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC160-05-19.000A0- | 19                         |                        | 77                   | 153                  | 101                  | 50                   | 20                         | ☺      |
| DC160-05-19.050A0- | 19,050                     | 3/4"                   | 77                   | 153                  | 101                  | 50                   | 20                         | ☺      |
| DC160-05-20.000A0- | 20                         |                        | 77                   | 153                  | 101                  | 50                   | 20                         | ☺      |
| DC160-05-20.500A0- | 20,5                       |                        | 86                   | 166                  | 108                  | 56                   | 25                         | ☺      |
| DC160-05-21.000A0- | 21                         |                        | 86                   | 166                  | 108                  | 56                   | 25                         | ☺      |
| DC160-05-21.500A0- | 21,5                       |                        | 86                   | 166                  | 108                  | 56                   | 25                         | ☺      |
| DC160-05-22.000A0- | 22                         |                        | 86                   | 166                  | 108                  | 56                   | 25                         | ☺      |
| DC160-05-22.500A0- | 22,5                       |                        | 91                   | 173                  | 115                  | 56                   | 25                         | ☺      |
| DC160-05-23.000A0- | 23                         |                        | 91                   | 173                  | 115                  | 56                   | 25                         | ☺      |
| DC160-05-23.500A0- | 23,5                       |                        | 91                   | 173                  | 115                  | 56                   | 25                         | ☺      |
| DC160-05-24.000A0- | 24                         |                        | 91                   | 173                  | 115                  | 56                   | 25                         | ☺      |
| DC160-05-24.500A0- | 24,5                       |                        | 97                   | 180                  | 122                  | 56                   | 25                         | ☺      |
| DC160-05-25.000A0- | 25                         |                        | 97                   | 180                  | 122                  | 56                   | 25                         | ☺      |
| DC160-05-03.000F0- | 3                          |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC160-05-03.100F0- | 3,1                        |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC160-05-03.200F0- | 3,2                        |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC160-05-03.250F0- | 3,25                       |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC160-05-03.300F0- | 3,3                        |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC160-05-03.400F0- | 3,4                        |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC160-05-03.500F0- | 3,5                        |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC160-05-03.600F0- | 3,6                        |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC160-05-03.650F0- | 3,65                       |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC160-05-03.700F0- | 3,7                        |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC160-05-03.800F0- | 3,8                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
| DC160-05-03.900F0- | 3,9                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
| DC160-05-04.000F0- | 4                          |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
| DC160-05-04.100F0- | 4,1                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
| DC160-05-04.200F0- | 4,2                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
| DC160-05-04.300F0- | 4,3                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
| DC160-05-04.400F0- | 4,4                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
| DC160-05-04.500F0- | 4,5                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
| DC160-05-04.600F0- | 4,6                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
| DC160-05-04.650F0- | 4,65                       |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
| DC160-05-04.700F0- | 4,7                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☺      |
| DC160-05-04.800F0- | 4,8                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
| DC160-05-04.900F0- | 4,9                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
| DC160-05-05.000F0- | 5                          |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
| DC160-05-05.100F0- | 5,1                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
| DC160-05-05.200F0- | 5,2                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
| DC160-05-05.300F0- | 5,3                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
| DC160-05-05.400F0- | 5,4                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
| DC160-05-05.500F0- | 5,5                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
| DC160-05-05.550F0- | 5,55                       |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
| DC160-05-05.600F0- | 5,6                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
| DC160-05-05.700F0- | 5,7                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |
| DC160-05-05.800F0- | 5,8                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☺      |

Пример заказа инструмента из сплава WJ30ET: DC160-05-03.000A0-WJ30ET

**WALTER  
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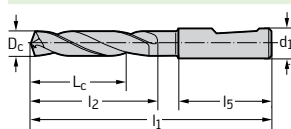
●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки

☺ ☹ ☹☹ / \* = Новый инструмент

Свёрла твердосплавные без внутреннего подвода СОЖ B 177

B1

## Инструмент



DIN 6535 HE

| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30ET |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC160-05-05.900F0- | 5,9                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹☹     |
| DC160-05-06.000F0- | 6                          |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹☹     |
| DC160-05-06.100F0- | 6,1                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹☹     |
| DC160-05-06.200F0- | 6,2                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹☹     |
| DC160-05-06.300F0- | 6,3                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹☹     |
| DC160-05-06.400F0- | 6,4                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹☹     |
| DC160-05-06.500F0- | 6,5                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹☹     |
| DC160-05-06.600F0- | 6,6                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹☹     |
| DC160-05-06.700F0- | 6,7                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹☹     |
| DC160-05-06.800F0- | 6,8                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹☹     |
| DC160-05-06.900F0- | 6,9                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹☹     |
| DC160-05-07.000F0- | 7                          |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹☹     |
| DC160-05-07.100F0- | 7,1                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹☹     |
| DC160-05-07.200F0- | 7,2                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹☹     |
| DC160-05-07.300F0- | 7,3                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹☹     |
| DC160-05-07.400F0- | 7,4                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹☹     |
| DC160-05-07.500F0- | 7,5                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹☹     |
| DC160-05-07.550F0- | 7,55                       |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹☹     |
| DC160-05-07.600F0- | 7,6                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹☹     |
| DC160-05-07.700F0- | 7,7                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹☹     |
| DC160-05-07.800F0- | 7,8                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹☹     |
| DC160-05-07.900F0- | 7,9                        |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹☹     |
| DC160-05-08.000F0- | 8                          |                        | 43                   | 91                   | 53                   | 36                   | 8                          | ☹☹     |
| DC160-05-08.100F0- | 8,1                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹☹     |
| DC160-05-08.200F0- | 8,2                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹☹     |
| DC160-05-08.300F0- | 8,3                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹☹     |
| DC160-05-08.400F0- | 8,4                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹☹     |
| DC160-05-08.500F0- | 8,5                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹☹     |
| DC160-05-08.600F0- | 8,6                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹☹     |
| DC160-05-08.700F0- | 8,7                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹☹     |
| DC160-05-08.800F0- | 8,8                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹☹     |
| DC160-05-08.900F0- | 8,9                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹☹     |
| DC160-05-09.000F0- | 9                          |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹☹     |
| DC160-05-09.100F0- | 9,1                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹☹     |
| DC160-05-09.200F0- | 9,2                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹☹     |
| DC160-05-09.300F0- | 9,3                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹☹     |
| DC160-05-09.400F0- | 9,4                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹☹     |
| DC160-05-09.500F0- | 9,5                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹☹     |
| DC160-05-09.550F0- | 9,55                       |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹☹     |
| DC160-05-09.600F0- | 9,6                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹☹     |
| DC160-05-09.700F0- | 9,7                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹☹     |
| DC160-05-09.800F0- | 9,8                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹☹     |
| DC160-05-09.900F0- | 9,9                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹☹     |
| DC160-05-10.000F0- | 10                         |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☹☹     |
| DC160-05-10.100F0- | 10,1                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☹☹     |
| DC160-05-10.200F0- | 10,2                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☹☹     |

Пример заказа инструмента из сплава WJ30ET: DC160-05-03.000A0-WJ30ET

**WALTER  
SELECT**

 ●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☹☹ → нормальных = ☹☹ → неблагоприятных = ☹☹☹ условий обработки

| Инструмент         | Обозначение        | D <sub>c</sub> | L <sub>c</sub> | l <sub>1</sub> | l <sub>2</sub> | l <sub>5</sub> | d <sub>1</sub><br>h6 | WJ30ET |                        |
|--------------------|--------------------|----------------|----------------|----------------|----------------|----------------|----------------------|--------|------------------------|
|                    |                    | m7<br>mm       |                |                |                |                |                      |        | D <sub>c</sub> Inch/Nr |
| <p>DIN 6535 HE</p> | DC160-05-10.300F0- | 10,3           | 56             | 118            | 71             | 45             | 12                   | ☺      |                        |
|                    | DC160-05-10.400F0- | 10,4           | 56             | 118            | 71             | 45             | 12                   | ☺      |                        |
|                    | DC160-05-10.500F0- | 10,5           | 56             | 118            | 71             | 45             | 12                   | ☺      |                        |
|                    | DC160-05-10.600F0- | 10,6           | 56             | 118            | 71             | 45             | 12                   | ☺      |                        |
|                    | DC160-05-10.700F0- | 10,7           | 56             | 118            | 71             | 45             | 12                   | ☺      |                        |
|                    | DC160-05-10.800F0- | 10,8           | 56             | 118            | 71             | 45             | 12                   | ☺      |                        |
|                    | DC160-05-10.900F0- | 10,9           | 56             | 118            | 71             | 45             | 12                   | ☺      |                        |
|                    | DC160-05-11.000F0- | 11             | 56             | 118            | 71             | 45             | 12                   | ☺      |                        |
|                    | DC160-05-11.100F0- | 11,1           | 56             | 118            | 71             | 45             | 12                   | ☺      |                        |
|                    | DC160-05-11.200F0- | 11,2           | 56             | 118            | 71             | 45             | 12                   | ☺      |                        |
|                    | DC160-05-11.300F0- | 11,3           | 56             | 118            | 71             | 45             | 12                   | ☺      |                        |
|                    | DC160-05-11.400F0- | 11,4           | 56             | 118            | 71             | 45             | 12                   | ☺      |                        |
|                    | DC160-05-11.500F0- | 11,5           | 56             | 118            | 71             | 45             | 12                   | ☺      |                        |
|                    | DC160-05-11.550F0- | 11,55          | 56             | 118            | 71             | 45             | 12                   | ☺      |                        |
|                    | DC160-05-11.600F0- | 11,6           | 56             | 118            | 71             | 45             | 12                   | ☺      |                        |
|                    | DC160-05-11.700F0- | 11,7           | 56             | 118            | 71             | 45             | 12                   | ☺      |                        |
|                    | DC160-05-11.800F0- | 11,8           | 56             | 118            | 71             | 45             | 12                   | ☺      |                        |
|                    | DC160-05-11.900F0- | 11,9           | 56             | 118            | 71             | 45             | 12                   | ☺      |                        |
|                    | DC160-05-12.000F0- | 12             | 56             | 118            | 71             | 45             | 12                   | ☺      |                        |
|                    | DC160-05-12.100F0- | 12,1           | 60             | 124            | 77             | 45             | 14                   | ☺      |                        |
|                    | DC160-05-12.200F0- | 12,2           | 60             | 124            | 77             | 45             | 14                   | ☺      |                        |
|                    | DC160-05-12.250F0- | 12,25          | 60             | 124            | 77             | 45             | 14                   | ☺      |                        |
|                    | DC160-05-12.300F0- | 12,3           | 60             | 124            | 77             | 45             | 14                   | ☺      |                        |
|                    | DC160-05-12.400F0- | 12,4           | 60             | 124            | 77             | 45             | 14                   | ☺      |                        |
|                    | DC160-05-12.500F0- | 12,5           | 60             | 124            | 77             | 45             | 14                   | ☺      |                        |
|                    | DC160-05-12.600F0- | 12,6           | 60             | 124            | 77             | 45             | 14                   | ☺      |                        |
|                    | DC160-05-12.700F0- | 12,700         | 1/2"           | 60             | 124            | 77             | 45                   | 14     | ☺                      |
|                    | DC160-05-12.750F0- | 12,75          | 60             | 124            | 77             | 45             | 14                   | ☺      |                        |
|                    | DC160-05-12.800F0- | 12,8           | 60             | 124            | 77             | 45             | 14                   | ☺      |                        |
|                    | DC160-05-12.900F0- | 12,9           | 60             | 124            | 77             | 45             | 14                   | ☺      |                        |
|                    | DC160-05-13.000F0- | 13             | 60             | 124            | 77             | 45             | 14                   | ☺      |                        |
|                    | DC160-05-13.100F0- | 13,1           | 60             | 124            | 77             | 45             | 14                   | ☺      |                        |
|                    | DC160-05-13.200F0- | 13,2           | 60             | 124            | 77             | 45             | 14                   | ☺      |                        |
|                    | DC160-05-13.300F0- | 13,3           | 60             | 124            | 77             | 45             | 14                   | ☺      |                        |
| DC160-05-13.400F0- | 13,4               | 60             | 124            | 77             | 45             | 14             | ☺                    |        |                        |
| DC160-05-13.500F0- | 13,5               | 60             | 124            | 77             | 45             | 14             | ☺                    |        |                        |
| DC160-05-13.600F0- | 13,6               | 60             | 124            | 77             | 45             | 14             | ☺                    |        |                        |
| DC160-05-13.700F0- | 13,7               | 60             | 124            | 77             | 45             | 14             | ☺                    |        |                        |
| DC160-05-13.800F0- | 13,8               | 60             | 124            | 77             | 45             | 14             | ☺                    |        |                        |
| DC160-05-13.900F0- | 13,9               | 60             | 124            | 77             | 45             | 14             | ☺                    |        |                        |
| DC160-05-14.000F0- | 14                 | 60             | 124            | 77             | 45             | 14             | ☺                    |        |                        |
| DC160-05-14.100F0- | 14,1               | 63             | 133            | 83             | 48             | 16             | ☺                    |        |                        |
| DC160-05-14.200F0- | 14,2               | 63             | 133            | 83             | 48             | 16             | ☺                    |        |                        |
| DC160-05-14.300F0- | 14,3               | 63             | 133            | 83             | 48             | 16             | ☺                    |        |                        |
| DC160-05-14.400F0- | 14,4               | 63             | 133            | 83             | 48             | 16             | ☺                    |        |                        |
| DC160-05-14.500F0- | 14,5               | 63             | 133            | 83             | 48             | 16             | ☺                    |        |                        |

Пример заказа инструмента из сплава WJ30ET: DC160-05-03.000A0-WJ30ET

**WALTER  
SELECT**

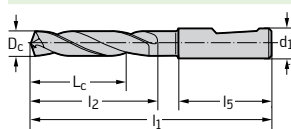
●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

☺ ☹ ☹ / \* = Новый инструмент

Свёрла твердосплавные без внутреннего подвода СОЖ

B 179

## Инструмент



DIN 6535 HE

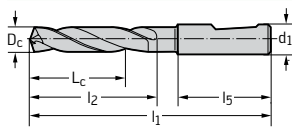
| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30ET |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC160-05-14.600F0- | 14,6                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-14.700F0- | 14,7                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-14.750F0- | 14,75                      |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-14.800F0- | 14,8                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-15.000F0- | 15                         |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-15.100F0- | 15,1                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-15.200F0- | 15,2                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-15.300F0- | 15,3                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-15.500F0- | 15,5                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-15.600F0- | 15,6                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-15.700F0- | 15,7                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-15.800F0- | 15,8                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-15.900F0- | 15,9                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-16.000F0- | 16                         |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☹      |
| DC160-05-16.100F0- | 16,1                       |                        | 71                   | 143                  | 93                   | 48                   | 18                         | ☹      |
| DC160-05-16.200F0- | 16,2                       |                        | 71                   | 143                  | 93                   | 48                   | 18                         | ☹      |
| DC160-05-16.300F0- | 16,3                       |                        | 71                   | 143                  | 93                   | 48                   | 18                         | ☹      |
| DC160-05-16.400F0- | 16,4                       |                        | 71                   | 143                  | 93                   | 48                   | 18                         | ☹      |
| DC160-05-16.500F0- | 16,5                       |                        | 71                   | 143                  | 93                   | 48                   | 18                         | ☹      |
| DC160-05-16.600F0- | 16,6                       |                        | 71                   | 143                  | 93                   | 48                   | 18                         | ☹      |
| DC160-05-16.700F0- | 16,7                       |                        | 71                   | 143                  | 93                   | 48                   | 18                         | ☹      |
| DC160-05-16.750F0- | 16,75                      |                        | 71                   | 143                  | 93                   | 48                   | 18                         | ☹      |
| DC160-05-16.800F0- | 16,8                       |                        | 71                   | 143                  | 93                   | 48                   | 18                         | ☹      |
| DC160-05-17.000F0- | 17                         |                        | 71                   | 143                  | 93                   | 48                   | 18                         | ☹      |
| DC160-05-17.200F0- | 17,2                       |                        | 71                   | 143                  | 93                   | 48                   | 18                         | ☹      |
| DC160-05-17.300F0- | 17,3                       |                        | 71                   | 143                  | 93                   | 48                   | 18                         | ☹      |
| DC160-05-17.500F0- | 17,5                       |                        | 71                   | 143                  | 93                   | 48                   | 18                         | ☹      |
| DC160-05-17.600F0- | 17,6                       |                        | 71                   | 143                  | 93                   | 48                   | 18                         | ☹      |
| DC160-05-17.700F0- | 17,7                       |                        | 71                   | 143                  | 93                   | 48                   | 18                         | ☹      |
| DC160-05-17.800F0- | 17,8                       |                        | 71                   | 143                  | 93                   | 48                   | 18                         | ☹      |
| DC160-05-18.000F0- | 18                         |                        | 71                   | 143                  | 93                   | 48                   | 18                         | ☹      |
| DC160-05-18.200F0- | 18,2                       |                        | 77                   | 153                  | 101                  | 50                   | 20                         | ☹      |
| DC160-05-18.500F0- | 18,5                       |                        | 77                   | 153                  | 101                  | 50                   | 20                         | ☹      |
| DC160-05-18.700F0- | 18,7                       |                        | 77                   | 153                  | 101                  | 50                   | 20                         | ☹      |
| DC160-05-18.800F0- | 18,8                       |                        | 77                   | 153                  | 101                  | 50                   | 20                         | ☹      |
| DC160-05-19.000F0- | 19                         |                        | 77                   | 153                  | 101                  | 50                   | 20                         | ☹      |
| DC160-05-19.500F0- | 19,5                       |                        | 77                   | 153                  | 101                  | 50                   | 20                         | ☹      |
| DC160-05-19.700F0- | 19,7                       |                        | 77                   | 153                  | 101                  | 50                   | 20                         | ☹      |
| DC160-05-19.800F0- | 19,8                       |                        | 77                   | 153                  | 101                  | 50                   | 20                         | ☹      |
| DC160-05-20.000F0- | 20                         |                        | 77                   | 153                  | 101                  | 50                   | 20                         | ☹      |
| DC160-05-20.500F0- | 20,5                       |                        | 86                   | 166                  | 108                  | 56                   | 25                         | ☹      |
| DC160-05-21.000F0- | 21                         |                        | 86                   | 166                  | 108                  | 56                   | 25                         | ☹      |
| DC160-05-21.500F0- | 21,5                       |                        | 86                   | 166                  | 108                  | 56                   | 25                         | ☹      |
| DC160-05-22.000F0- | 22                         |                        | 86                   | 166                  | 108                  | 56                   | 25                         | ☹      |
| DC160-05-22.500F0- | 22,5                       |                        | 91                   | 173                  | 115                  | 56                   | 25                         | ☹      |
| DC160-05-23.000F0- | 23                         |                        | 91                   | 173                  | 115                  | 56                   | 25                         | ☹      |

Пример заказа инструмента из сплава WJ30ET: DC160-05-03.000A0-WJ30ET

**WALTER  
SELECT**

 ●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☹ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

**Инструмент**



| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30ET |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC160-05-23.500F0- | 23,5                       |                        | 91                   | 173                  | 115                  | 56                   | 25                         | ☺      |
| DC160-05-24.000F0- | 24                         |                        | 91                   | 173                  | 115                  | 56                   | 25                         | ☺      |
| DC160-05-24.500F0- | 24,5                       |                        | 97                   | 180                  | 122                  | 56                   | 25                         | ☺      |
| DC160-05-25.000F0- | 25                         |                        | 97                   | 180                  | 122                  | 56                   | 25                         | ☺      |

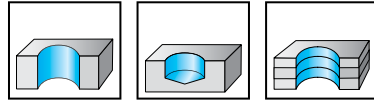
DIN 6535 HE

Пример заказа инструмента из сплава WJ30ET: DC160-05-03.000A0-WJ30ET

B1

# Свёрла спиральные цельные твердосплавные

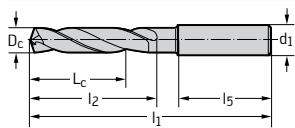
## DC150 Perform



B1

|        |    |   |    |   |   |   |   |
|--------|----|---|----|---|---|---|---|
|        | P  | M | K  | N | S | H | O |
| WJ30TA | ●● | ● | ●● | ● | ● | ● | ● |

### Инструмент



DIN 6535 HA

| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30TA |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC150-05-03.000A0- | 3                          |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC150-05-03.100A0- | 3,1                        |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC150-05-03.175A0- | 3,175                      | 1/8"                   | 23                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC150-05-03.200A0- | 3,2                        |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC150-05-03.250A0- | 3,25                       |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC150-05-03.300A0- | 3,3                        |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC150-05-03.400A0- | 3,4                        |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC150-05-03.500A0- | 3,5                        |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC150-05-03.600A0- | 3,6                        |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC150-05-03.650A0- | 3,65                       |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC150-05-03.700A0- | 3,7                        |                        | 23                   | 66                   | 28                   | 36                   | 6                          | ☹      |
| DC150-05-03.800A0- | 3,8                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☹      |
| DC150-05-03.900A0- | 3,9                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☹      |
| DC150-05-03.969A0- | 3,969                      | 5/32"                  | 29                   | 74                   | 36                   | 36                   | 6                          | ☹      |
| DC150-05-04.000A0- | 4                          |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☹      |
| DC150-05-04.100A0- | 4,1                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☹      |
| DC150-05-04.200A0- | 4,2                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☹      |
| DC150-05-04.300A0- | 4,3                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☹      |
| DC150-05-04.366A0- | 4,366                      | 11/64"                 | 29                   | 74                   | 36                   | 36                   | 6                          | ☹      |
| DC150-05-04.400A0- | 4,4                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☹      |
| DC150-05-04.500A0- | 4,5                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☹      |
| DC150-05-04.600A0- | 4,6                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☹      |
| DC150-05-04.650A0- | 4,65                       |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☹      |
| DC150-05-04.700A0- | 4,7                        |                        | 29                   | 74                   | 36                   | 36                   | 6                          | ☹      |
| DC150-05-04.763A0- | 4,763                      | 3/16"                  | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC150-05-04.800A0- | 4,8                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC150-05-04.900A0- | 4,9                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC150-05-05.000A0- | 5                          |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC150-05-05.100A0- | 5,1                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC150-05-05.159A0- | 5,159                      | 13/64"                 | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC150-05-05.200A0- | 5,2                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC150-05-05.300A0- | 5,3                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC150-05-05.400A0- | 5,4                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC150-05-05.500A0- | 5,5                        |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC150-05-05.550A0- | 5,55                       |                        | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |
| DC150-05-05.556A0- | 5,556                      | 7/32"                  | 35                   | 82                   | 44                   | 36                   | 6                          | ☹      |

Пример заказа инструмента из сплава WJ30TA: DC150-05-03.000A0-WJ30TA

**WALTER  
SELECT**

●● Основная область применения   
 ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹☹ условий обработки

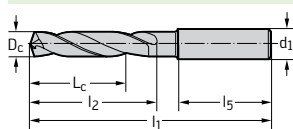
| Инструмент         |                    | $D_c$<br>m7<br>mm | $D_c$ Inch/Nr | $L_c$<br>mm | $l_1$<br>mm | $l_2$<br>mm | $l_5$<br>mm | $d_1$<br>h6<br>mm | WJ30TA |
|--------------------|--------------------|-------------------|---------------|-------------|-------------|-------------|-------------|-------------------|--------|
| <p>DIN 6535 HA</p> | DC150-05-05.600A0- | 5,6               |               | 35          | 82          | 44          | 36          | 6                 | ☺      |
|                    | DC150-05-05.700A0- | 5,7               |               | 35          | 82          | 44          | 36          | 6                 | ☺      |
|                    | DC150-05-05.800A0- | 5,8               |               | 35          | 82          | 44          | 36          | 6                 | ☺      |
|                    | DC150-05-05.900A0- | 5,9               |               | 35          | 82          | 44          | 36          | 6                 | ☺      |
|                    | DC150-05-05.953A0- | 5,953             | 15/64"        | 35          | 82          | 44          | 36          | 6                 | ☺      |
|                    | DC150-05-06.000A0- | 6                 |               | 35          | 82          | 44          | 36          | 6                 | ☺      |
|                    | DC150-05-06.100A0- | 6,1               |               | 43          | 91          | 53          | 36          | 8                 | ☺      |
|                    | DC150-05-06.200A0- | 6,2               |               | 43          | 91          | 53          | 36          | 8                 | ☺      |
|                    | DC150-05-06.300A0- | 6,3               |               | 43          | 91          | 53          | 36          | 8                 | ☺      |
|                    | DC150-05-06.350A0- | 6,350             | 1/4"          | 43          | 91          | 53          | 36          | 8                 | ☺      |
|                    | DC150-05-06.400A0- | 6,4               |               | 43          | 91          | 53          | 36          | 8                 | ☺      |
|                    | DC150-05-06.500A0- | 6,5               |               | 43          | 91          | 53          | 36          | 8                 | ☺      |
|                    | DC150-05-06.600A0- | 6,6               |               | 43          | 91          | 53          | 36          | 8                 | ☺      |
|                    | DC150-05-06.700A0- | 6,7               |               | 43          | 91          | 53          | 36          | 8                 | ☺      |
|                    | DC150-05-06.747A0- | 6,747             | 17/64"        | 43          | 91          | 53          | 36          | 8                 | ☺      |
|                    | DC150-05-06.800A0- | 6,8               |               | 43          | 91          | 53          | 36          | 8                 | ☺      |
|                    | DC150-05-06.900A0- | 6,9               |               | 43          | 91          | 53          | 36          | 8                 | ☺      |
|                    | DC150-05-07.000A0- | 7                 |               | 43          | 91          | 53          | 36          | 8                 | ☺      |
|                    | DC150-05-07.100A0- | 7,1               |               | 43          | 91          | 53          | 36          | 8                 | ☺      |
|                    | DC150-05-07.144A0- | 7,144             | 9/32"         | 43          | 91          | 53          | 36          | 8                 | ☺      |
|                    | DC150-05-07.200A0- | 7,2               |               | 43          | 91          | 53          | 36          | 8                 | ☺      |
|                    | DC150-05-07.300A0- | 7,3               |               | 43          | 91          | 53          | 36          | 8                 | ☺      |
|                    | DC150-05-07.400A0- | 7,4               |               | 43          | 91          | 53          | 36          | 8                 | ☺      |
|                    | DC150-05-07.500A0- | 7,5               |               | 43          | 91          | 53          | 36          | 8                 | ☺      |
|                    | DC150-05-07.700A0- | 7,7               |               | 43          | 91          | 53          | 36          | 8                 | ☺      |
|                    | DC150-05-07.800A0- | 7,8               |               | 43          | 91          | 53          | 36          | 8                 | ☺      |
|                    | DC150-05-07.900A0- | 7,9               |               | 43          | 91          | 53          | 36          | 8                 | ☺      |
|                    | DC150-05-07.938A0- | 7,938             | 5/16"         | 43          | 91          | 53          | 36          | 8                 | ☺      |
|                    | DC150-05-08.000A0- | 8                 |               | 43          | 91          | 53          | 36          | 8                 | ☺      |
|                    | DC150-05-08.100A0- | 8,1               |               | 49          | 103         | 61          | 40          | 10                | ☺      |
|                    | DC150-05-08.200A0- | 8,2               |               | 49          | 103         | 61          | 40          | 10                | ☺      |
|                    | DC150-05-08.300A0- | 8,3               |               | 49          | 103         | 61          | 40          | 10                | ☺      |
|                    | DC150-05-08.334A0- | 8,334             | 21/64"        | 49          | 103         | 61          | 40          | 10                | ☺      |
|                    | DC150-05-08.400A0- | 8,4               |               | 49          | 103         | 61          | 40          | 10                | ☺      |
| DC150-05-08.500A0- | 8,5                |                   | 49            | 103         | 61          | 40          | 10          | ☺                 |        |
| DC150-05-08.600A0- | 8,6                |                   | 49            | 103         | 61          | 40          | 10          | ☺                 |        |
| DC150-05-08.700A0- | 8,7                |                   | 49            | 103         | 61          | 40          | 10          | ☺                 |        |
| DC150-05-08.731A0- | 8,731              | 11/32"            | 49            | 103         | 61          | 40          | 10          | ☺                 |        |
| DC150-05-08.800A0- | 8,8                |                   | 49            | 103         | 61          | 40          | 10          | ☺                 |        |
| DC150-05-08.900A0- | 8,9                |                   | 49            | 103         | 61          | 40          | 10          | ☺                 |        |
| DC150-05-09.000A0- | 9                  |                   | 49            | 103         | 61          | 40          | 10          | ☺                 |        |
| DC150-05-09.100A0- | 9,1                |                   | 49            | 103         | 61          | 40          | 10          | ☺                 |        |
| DC150-05-09.128A0- | 9,128              | 23/64"            | 49            | 103         | 61          | 40          | 10          | ☺                 |        |
| DC150-05-09.200A0- | 9,2                |                   | 49            | 103         | 61          | 40          | 10          | ☺                 |        |
| DC150-05-09.300A0- | 9,3                |                   | 49            | 103         | 61          | 40          | 10          | ☺                 |        |
| DC150-05-09.400A0- | 9,4                |                   | 49            | 103         | 61          | 40          | 10          | ☺                 |        |

Пример заказа инструмента из сплава WJ30TA: DC150-05-03.000A0-WJ30TA

**WALTER  
SELECT**

● ● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

## Инструмент



DIN 6535 HA

| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30TA |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC150-05-09.500A0- | 9,5                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC150-05-09.525A0- | 9,525                      | 3/8"                   | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC150-05-09.600A0- | 9,6                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC150-05-09.700A0- | 9,7                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC150-05-09.800A0- | 9,8                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC150-05-09.900A0- | 9,9                        |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC150-05-09.922A0- | 9,922                      | 25/64"                 | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC150-05-10.000A0- | 10                         |                        | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC150-05-10.100A0- | 10,1                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC150-05-10.200A0- | 10,2                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC150-05-10.300A0- | 10,3                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC150-05-10.319A0- | 10,319                     | 13/32"                 | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC150-05-10.400A0- | 10,4                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC150-05-10.500A0- | 10,5                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC150-05-10.600A0- | 10,6                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC150-05-10.700A0- | 10,7                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC150-05-10.716A0- | 10,716                     | 27/64"                 | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC150-05-10.800A0- | 10,8                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC150-05-11.000A0- | 11                         |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC150-05-11.113A0- | 11,113                     | 7/16"                  | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC150-05-11.200A0- | 11,2                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC150-05-11.500A0- | 11,5                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC150-05-11.800A0- | 11,8                       |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC150-05-11.906A0- | 11,906                     | 15/32"                 | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC150-05-12.000A0- | 12                         |                        | 56                   | 118                  | 71                   | 45                   | 12                         | ☺      |
| DC150-05-12.200A0- | 12,2                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☺      |
| DC150-05-12.300A0- | 12,3                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☺      |
| DC150-05-12.400A0- | 12,4                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☺      |
| DC150-05-12.500A0- | 12,5                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☺      |
| DC150-05-12.600A0- | 12,6                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☺      |
| DC150-05-12.700A0- | 12,700                     | 1/2"                   | 60                   | 124                  | 77                   | 45                   | 14                         | ☺      |
| DC150-05-13.000A0- | 13                         |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☺      |
| DC150-05-13.200A0- | 13,2                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☺      |
| DC150-05-13.494A0- | 13,494                     | 17/32"                 | 60                   | 124                  | 77                   | 45                   | 14                         | ☺      |
| DC150-05-13.500A0- | 13,5                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☺      |
| DC150-05-13.800A0- | 13,8                       |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☺      |
| DC150-05-14.000A0- | 14                         |                        | 60                   | 124                  | 77                   | 45                   | 14                         | ☺      |
| DC150-05-14.200A0- | 14,2                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☺      |
| DC150-05-14.288A0- | 14,288                     | 9/16"                  | 63                   | 133                  | 83                   | 48                   | 16                         | ☺      |
| DC150-05-14.500A0- | 14,5                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☺      |
| DC150-05-15.000A0- | 15                         |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☺      |
| DC150-05-15.500A0- | 15,5                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☺      |
| DC150-05-15.800A0- | 15,8                       |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☺      |
| DC150-05-16.000A0- | 16                         |                        | 63                   | 133                  | 83                   | 48                   | 16                         | ☺      |
| DC150-05-16.500A0- | 16,5                       |                        | 71                   | 143                  | 93                   | 48                   | 18                         | ☺      |
| DC150-05-17.000A0- | 17                         |                        | 71                   | 143                  | 93                   | 48                   | 18                         | ☺      |

Пример заказа инструмента из сплава WJ30TA: DC150-05-03.000A0-WJ30TA

**WALTER  
SELECT**

 ●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☺ → неблагоприятных = ☹ условий обработки



| Инструмент  |                    | $D_c$<br>mm | $D_c$<br>Inch/Nr | $L_c$<br>mm | $l_1$<br>mm | $l_2$<br>mm | $l_5$<br>mm | $d_1$<br>h6<br>mm | WJ30TA |
|-------------|--------------------|-------------|------------------|-------------|-------------|-------------|-------------|-------------------|--------|
|             | Обозначение        |             |                  |             |             |             |             |                   |        |
|             | DC150-05-17.500A0- | 17,5        |                  | 71          | 143         | 93          | 48          | 18                | ☺      |
|             | DC150-05-18.000A0- | 18          |                  | 71          | 143         | 93          | 48          | 18                | ☺      |
|             | DC150-05-19.000A0- | 19          |                  | 77          | 153         | 101         | 50          | 20                | ☺      |
|             | DC150-05-19.500A0- | 19,5        |                  | 77          | 153         | 101         | 50          | 20                | ☺      |
| DIN 6535 HA | DC150-05-20.000A0- | 20          |                  | 77          | 153         | 101         | 50          | 20                | ☺      |

Пример заказа инструмента из сплава WJ30TA: DC150-05-03.000A0-WJ30TA

B1

●● Основная область применения    ● Возможная область применения  
 Оптимально подходит для → хороших = ☺    → нормальных = ☹    → неблагоприятных = ☹☹ условий обработки

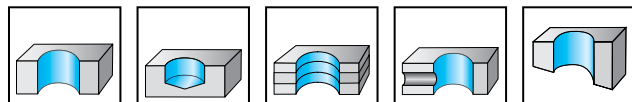
# Спиральное сверло из твердого сплава с 3 фрезами

## A3367

### BSX



– Геометрия заточки SX



|              |   |   |    |     |   |   |   |
|--------------|---|---|----|-----|---|---|---|
|              | P | M | K  | N   | S | H | O |
| без покрытия |   |   | ●● | ●●● | ● |   | ● |

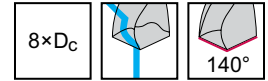
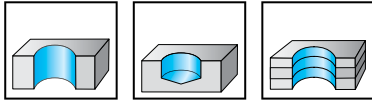
B1

| Инструмент | Обозначение   | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub><br>Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm |
|------------|---------------|----------------------------|---------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|
|            | A3367-3       | 3                          |                           | 23                   | 66                   | 28                   | 36                   | 6                          |
|            | A3367-3.15    | 3,15                       |                           | 23                   | 66                   | 28                   | 36                   | 6                          |
|            | A3367-1/8IN   | 3,175                      | 1/8"                      | 23                   | 66                   | 28                   | 36                   | 6                          |
|            | A3367-3.3     | 3,3                        |                           | 23                   | 66                   | 28                   | 36                   | 6                          |
|            | A3367-3.5     | 3,5                        |                           | 23                   | 66                   | 28                   | 36                   | 6                          |
|            | A3367-3.7     | 3,7                        |                           | 23                   | 66                   | 28                   | 36                   | 6                          |
|            | A3367-3.8     | 3,8                        |                           | 29                   | 74                   | 36                   | 36                   | 6                          |
|            | A3367-5/32IN  | 3,969                      | 5/32"                     | 29                   | 74                   | 36                   | 36                   | 6                          |
|            | A3367-4       | 4                          |                           | 29                   | 74                   | 36                   | 36                   | 6                          |
|            | A3367-4.2     | 4,2                        |                           | 29                   | 74                   | 36                   | 36                   | 6                          |
|            | A3367-4.3     | 4,3                        |                           | 29                   | 74                   | 36                   | 36                   | 6                          |
|            | A3367-4.45    | 4,45                       |                           | 29                   | 74                   | 36                   | 36                   | 6                          |
|            | A3367-4.5     | 4,5                        |                           | 29                   | 74                   | 36                   | 36                   | 6                          |
|            | A3367-4.65    | 4,65                       |                           | 29                   | 74                   | 36                   | 36                   | 6                          |
|            | A3367-3/16IN  | 4,763                      | 3/16"                     | 35                   | 82                   | 44                   | 36                   | 6                          |
|            | A3367-5       | 5                          |                           | 35                   | 82                   | 44                   | 36                   | 6                          |
|            | A3367-13/64IN | 5,159                      | 13/64"                    | 35                   | 82                   | 44                   | 36                   | 6                          |
|            | A3367-5.5     | 5,5                        |                           | 35                   | 82                   | 44                   | 36                   | 6                          |
|            | A3367-5.55    | 5,55                       |                           | 35                   | 82                   | 44                   | 36                   | 6                          |
|            | A3367-5.75    | 5,75                       |                           | 35                   | 82                   | 44                   | 36                   | 6                          |
|            | A3367-5.9     | 5,9                        |                           | 35                   | 82                   | 44                   | 36                   | 6                          |
|            | A3367-6       | 6                          |                           | 35                   | 82                   | 44                   | 36                   | 6                          |
|            | A3367-6.55    | 6,55                       |                           | 43                   | 91                   | 53                   | 36                   | 8                          |
|            | A3367-17/64IN | 6,747                      | 17/64"                    | 43                   | 91                   | 53                   | 36                   | 8                          |
|            | A3367-6.8     | 6,8                        |                           | 43                   | 91                   | 53                   | 36                   | 8                          |
|            | A3367-7       | 7                          |                           | 43                   | 91                   | 53                   | 36                   | 8                          |
|            | A3367-7.25    | 7,25                       |                           | 43                   | 91                   | 53                   | 36                   | 8                          |
|            | A3367-8       | 8                          |                           | 43                   | 91                   | 53                   | 36                   | 8                          |
|            | A3367-8.5     | 8,5                        |                           | 49                   | 103                  | 61                   | 40                   | 10                         |
|            | A3367-9       | 9                          |                           | 49                   | 103                  | 61                   | 40                   | 10                         |
|            | A3367-25/64IN | 9,922                      | 25/64"                    | 49                   | 103                  | 61                   | 40                   | 10                         |
|            | A3367-10      | 10                         |                           | 49                   | 103                  | 61                   | 40                   | 10                         |
|            | A3367-10.2    | 10,2                       |                           | 56                   | 118                  | 71                   | 45                   | 12                         |
|            | A3367-11      | 11                         |                           | 56                   | 118                  | 71                   | 45                   | 12                         |
|            | A3367-12      | 12                         |                           | 56                   | 118                  | 71                   | 45                   | 12                         |
|            | A3367-13      | 13                         |                           | 60                   | 124                  | 77                   | 45                   | 14                         |
|            | A3367-13.5    | 13,5                       |                           | 60                   | 124                  | 77                   | 45                   | 14                         |
|            | A3367-15      | 15                         |                           | 63                   | 133                  | 83                   | 48                   | 16                         |
|            | A3367-16      | 16                         |                           | 63                   | 133                  | 83                   | 48                   | 16                         |

DIN 6535 HA

●● Основная область применения   ● Возможная область применения  
 Оптимально подходит для → хороших = 😊 → нормальных = 😐 → неблагоприятных = ☹️ условий обработки

# Сверла малоразмерные твердосплавные DB133 Supreme



|        |    |   |    |    |   |   |   |
|--------|----|---|----|----|---|---|---|
|        | P  | M | K  | N  | S | H | O |
| WJ30ER | ●● |   | ●● | ●● | ● | ● | ● |

B1

| Инструмент         |                    | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30ER |
|--------------------|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| <p>DIN 6535 HA</p> | Обозначение        |                            |                        |                      |                      |                      |                      |                            |        |
|                    | DB133-08-00.500A0- | 0,5                        |                        | 5,2                  | 48                   | 6                    | 35                   | 3                          | ☺      |
|                    | DB133-08-00.600A0- | 0,6                        |                        | 6,1                  | 48                   | 7                    | 34                   | 3                          | ☺      |
|                    | DB133-08-00.700A0- | 0,7                        |                        | 6,9                  | 50                   | 8                    | 35                   | 3                          | ☺      |
|                    | DB133-08-00.750A0- | 0,75                       |                        | 7,8                  | 50                   | 9                    | 34                   | 3                          | ☺      |
|                    | DB133-08-00.794A0- | 0,794                      | 1/32"                  | 7,8                  | 50                   | 9                    | 34                   | 3                          | ☺      |
|                    | DB133-08-00.800A0- | 0,8                        |                        | 7,8                  | 50                   | 9                    | 34                   | 3                          | ☺      |
|                    | DB133-08-00.880A0- | 0,88                       |                        | 8,6                  | 53                   | 10                   | 36                   | 3                          | ☺      |
|                    | DB133-08-00.900A0- | 0,9                        |                        | 8,6                  | 53                   | 10                   | 36                   | 3                          | ☺      |
|                    | DB133-08-00.950A0- | 0,95                       |                        | 10,5                 | 53                   | 12                   | 34                   | 3                          | ☺      |
|                    | DB133-08-01.000A0- | 1                          |                        | 10,5                 | 53                   | 12                   | 34                   | 3                          | ☺      |
|                    | DB133-08-01.050A0- | 1,05                       |                        | 11                   | 54                   | 13                   | 35                   | 3                          | ☺      |
|                    | DB133-08-01.100A0- | 1,1                        |                        | 11                   | 54                   | 13                   | 35                   | 3                          | ☺      |
|                    | DB133-08-01.191A0- | 1,191                      | 3/64"                  | 12                   | 54                   | 14                   | 34                   | 3                          | ☺      |
|                    | DB133-08-01.200A0- | 1,2                        |                        | 12                   | 54                   | 14                   | 34                   | 3                          | ☺      |
|                    | DB133-08-01.250A0- | 1,25                       |                        | 12                   | 54                   | 14                   | 34                   | 3                          | ☺      |
|                    | DB133-08-01.300A0- | 1,3                        |                        | 13                   | 57                   | 15                   | 36                   | 3                          | ☺      |
|                    | DB133-08-01.350A0- | 1,35                       |                        | 13                   | 57                   | 16                   | 35                   | 3                          | ☺      |
|                    | DB133-08-01.400A0- | 1,4                        |                        | 13                   | 57                   | 16                   | 35                   | 3                          | ☺      |
|                    | DB133-08-01.450A0- | 1,45                       |                        | 14                   | 57                   | 17                   | 34                   | 3                          | ☺      |
|                    | DB133-08-01.500A0- | 1,5                        |                        | 14                   | 57                   | 17                   | 34                   | 3                          | ☺      |
|                    | DB133-08-01.550A0- | 1,55                       |                        | 15                   | 60                   | 18                   | 37                   | 3                          | ☺      |
|                    | DB133-08-01.588A0- | 1,588                      | 1/16"                  | 15                   | 60                   | 18                   | 37                   | 3                          | ☺      |
|                    | DB133-08-01.600A0- | 1,6                        |                        | 15                   | 60                   | 18                   | 37                   | 3                          | ☺      |
|                    | DB133-08-01.650A0- | 1,65                       |                        | 17                   | 60                   | 20                   | 35                   | 3                          | ☺      |
|                    | DB133-08-01.700A0- | 1,7                        |                        | 17                   | 60                   | 20                   | 35                   | 3                          | ☺      |
|                    | DB133-08-01.750A0- | 1,75                       |                        | 18                   | 60                   | 21                   | 34                   | 3                          | ☺      |
|                    | DB133-08-01.800A0- | 1,8                        |                        | 18                   | 60                   | 21                   | 34                   | 3                          | ☺      |
|                    | DB133-08-01.820A0- | 1,82                       |                        | 19                   | 63                   | 22                   | 36                   | 3                          | ☺      |
|                    | DB133-08-01.850A0- | 1,85                       |                        | 19                   | 63                   | 22                   | 36                   | 3                          | ☺      |
| DB133-08-01.900A0- | 1,9                |                            | 19                     | 63                   | 22                   | 36                   | 3                    | ☺                          |        |
| DB133-08-01.950A0- | 1,95               |                            | 20                     | 63                   | 23                   | 35                   | 3                    | ☺                          |        |
| DB133-08-01.984A0- | 1,984              | 5/64"                      | 20                     | 63                   | 23                   | 35                   | 3                    | ☺                          |        |
| DB133-08-02.000A0- | 2                  |                            | 20                     | 63                   | 23                   | 35                   | 3                    | ☺                          |        |
| DB133-08-02.050A0- | 2,05               |                            | 20                     | 63                   | 24                   | 35                   | 3                    | ☺                          |        |
| DB133-08-02.100A0- | 2,1                |                            | 20                     | 63                   | 24                   | 35                   | 3                    | ☺                          |        |
| DB133-08-02.150A0- | 2,15               |                            | 21                     | 63                   | 25                   | 34                   | 3                    | ☺                          |        |

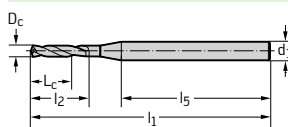
Пример заказа инструмента из сплава WJ30ER: DB133-08-00.500A0-WJ30ER

**WALTER SELECT**      ●● Основная область применения      ● Возможная область применения

Оптимально подходит для → хороших = ☺      → нормальных = ☹      → неблагоприятных = ☹ условия обработки

☺ ☹ ☹ / \* = Новый инструмент

## Инструмент



DIN 6535 HA

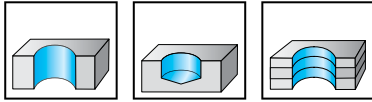
| Обозначение        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30ER |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DB133-08-02.200A0- | 2,2                        |                        | 21                   | 63                   | 25                   | 34                   | 3                          | ☺      |
| DB133-08-02.250A0- | 2,25                       |                        | 22                   | 67                   | 26                   | 37                   | 3                          | ☺      |
| DB133-08-02.300A0- | 2,3                        |                        | 22                   | 67                   | 26                   | 37                   | 3                          | ☺      |
| DB133-08-02.350A0- | 2,35                       |                        | 24                   | 67                   | 28                   | 35                   | 3                          | ☺      |
| DB133-08-02.381A0- | 2,381                      | 3/32"                  | 24                   | 67                   | 28                   | 35                   | 3                          | ☺      |
| DB133-08-02.400A0- | 2,4                        |                        | 24                   | 67                   | 28                   | 35                   | 3                          | ☺      |
| DB133-08-02.450A0- | 2,45                       |                        | 25                   | 67                   | 29                   | 34                   | 3                          | ☺      |
| DB133-08-02.500A0- | 2,5                        |                        | 25                   | 67                   | 29                   | 34                   | 3                          | ☺      |
| DB133-08-02.550A0- | 2,55                       |                        | 26                   | 71                   | 30                   | 37                   | 3                          | ☺      |
| DB133-08-02.600A0- | 2,6                        |                        | 26                   | 71                   | 30                   | 37                   | 3                          | ☺      |
| DB133-08-02.650A0- | 2,65                       |                        | 26                   | 71                   | 31                   | 37                   | 3                          | ☺      |
| DB133-08-02.700A0- | 2,7                        |                        | 26                   | 71                   | 31                   | 37                   | 3                          | ☺      |
| DB133-08-02.750A0- | 2,75                       |                        | 27                   | 71                   | 32                   | 36                   | 3                          | ☺      |
| DB133-08-02.778A0- | 2,778                      | 7/64"                  | 27                   | 71                   | 32                   | 36                   | 3                          | ☺      |
| DB133-08-02.800A0- | 2,8                        |                        | 27                   | 71                   | 32                   | 36                   | 3                          | ☺      |
| DB133-08-02.850A0- | 2,85                       |                        | 28                   | 71                   | 33                   | 35                   | 3                          | ☺      |
| DB133-08-02.900A0- | 2,9                        |                        | 28                   | 71                   | 33                   | 35                   | 3                          | ☺      |
| DB133-08-02.950A0- | 2,95                       |                        | 29                   | 71                   | 34                   | 34                   | 3                          | ☺      |

Пример заказа инструмента из сплава WJ30ER: DB133-08-00.500A0-WJ30ER

# Свёрла спиральные цельные твердосплавные

## A1276TFL

### Alpha® 22



|     |    |   |    |    |   |   |   |
|-----|----|---|----|----|---|---|---|
|     | P  | M | K  | N  | S | H | O |
| TFL | ●● |   | ●● | ●● | ● |   |   |

B1

| Инструмент               | Обозначение  | D <sub>c</sub><br>h7<br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>h6<br>mm |
|--------------------------|--------------|----------------------------|----------------------|----------------------|----------------------|----------------------------|
| <p>Cylindrical shank</p> | A1276TFL-3   | 3                          | 28                   | 61                   | 33                   | 3                          |
|                          | A1276TFL-3.1 | 3,1                        | 30                   | 65                   | 36                   | 3,1                        |
|                          | A1276TFL-3.2 | 3,2                        | 30                   | 65                   | 36                   | 3,2                        |
|                          | A1276TFL-3.3 | 3,3                        | 30                   | 65                   | 36                   | 3,3                        |
|                          | A1276TFL-3.4 | 3,4                        | 33                   | 70                   | 39                   | 3,4                        |
|                          | A1276TFL-3.5 | 3,5                        | 33                   | 70                   | 39                   | 3,5                        |
|                          | A1276TFL-3.7 | 3,7                        | 33                   | 70                   | 39                   | 3,7                        |
|                          | A1276TFL-3.8 | 3,8                        | 36                   | 75                   | 43                   | 3,8                        |
|                          | A1276TFL-4   | 4                          | 36                   | 75                   | 43                   | 4                          |
|                          | A1276TFL-4.2 | 4,2                        | 36                   | 75                   | 43                   | 4,2                        |
|                          | A1276TFL-4.3 | 4,3                        | 39                   | 80                   | 47                   | 4,3                        |
|                          | A1276TFL-4.5 | 4,5                        | 39                   | 80                   | 47                   | 4,5                        |
|                          | A1276TFL-4.7 | 4,7                        | 39                   | 80                   | 47                   | 4,7                        |
|                          | A1276TFL-4.8 | 4,8                        | 44                   | 86                   | 52                   | 4,8                        |
|                          | A1276TFL-5   | 5                          | 44                   | 86                   | 52                   | 5                          |
|                          | A1276TFL-5.1 | 5,1                        | 44                   | 86                   | 52                   | 5,1                        |
|                          | A1276TFL-5.2 | 5,2                        | 44                   | 86                   | 52                   | 5,2                        |
|                          | A1276TFL-5.5 | 5,5                        | 48                   | 93                   | 57                   | 5,5                        |
|                          | A1276TFL-5.8 | 5,8                        | 48                   | 93                   | 57                   | 5,8                        |
|                          | A1276TFL-6   | 6                          | 48                   | 93                   | 57                   | 6                          |
| A1276TFL-6.1             | 6,1          | 52                         | 101                  | 63                   | 6,1                  |                            |
| A1276TFL-6.5             | 6,5          | 52                         | 101                  | 63                   | 6,5                  |                            |
| A1276TFL-6.6             | 6,6          | 52                         | 101                  | 63                   | 6,6                  |                            |
| A1276TFL-6.8             | 6,8          | 57                         | 109                  | 69                   | 6,8                  |                            |
| A1276TFL-7               | 7            | 57                         | 109                  | 69                   | 7                    |                            |
| A1276TFL-8               | 8            | 62                         | 117                  | 75                   | 8                    |                            |
| A1276TFL-8.5             | 8,5          | 62                         | 117                  | 75                   | 8,5                  |                            |
| A1276TFL-9               | 9            | 66                         | 125                  | 81                   | 9                    |                            |
| A1276TFL-10              | 10           | 71                         | 133                  | 87                   | 10                   |                            |
| A1276TFL-10.2            | 10,2         | 71                         | 133                  | 87                   | 10,2                 |                            |

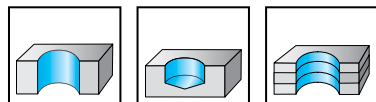
**WALTER  
SELECT**

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условия обработки

# Свёрла спиральные цельные твердосплавные A1263



– Тип N



|              |   |   |   |    |   |   |    |
|--------------|---|---|---|----|---|---|----|
|              | P | M | K | N  | S | H | O  |
| без покрытия |   |   | ● | ●● | ● |   | ●● |

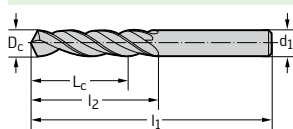
B1

| Инструмент | Обозначение | D <sub>c</sub><br>h7<br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>h6<br>mm |
|------------|-------------|----------------------------|----------------------|----------------------|----------------------|----------------------------|
|            | A1263-0.6   | 0.6                        | 6,1                  | 24                   | 7                    | 0.6                        |
|            | A1263-0.7   | 0.7                        | 7,8                  | 28                   | 9                    | 0.7                        |
|            | A1263-0.8   | 0.8                        | 8,7                  | 30                   | 10                   | 0.8                        |
|            | A1263-0.9   | 0.9                        | 9,5                  | 32                   | 11                   | 0.9                        |
|            | A1263-1     | 1                          | 10                   | 34                   | 12                   | 1                          |
|            | A1263-1.1   | 1.1                        | 12                   | 36                   | 14                   | 1.1                        |
|            | A1263-1.2   | 1.2                        | 14                   | 38                   | 16                   | 1.2                        |
|            | A1263-1.3   | 1.3                        | 14                   | 38                   | 16                   | 1.3                        |
|            | A1263-1.4   | 1.4                        | 15                   | 40                   | 18                   | 1.4                        |
|            | A1263-1.5   | 1.5                        | 15                   | 40                   | 18                   | 1.5                        |
|            | A1263-1.6   | 1.6                        | 17                   | 43                   | 20                   | 1.6                        |
|            | A1263-1.7   | 1.7                        | 17                   | 43                   | 20                   | 1.7                        |
|            | A1263-1.8   | 1.8                        | 19                   | 46                   | 22                   | 1.8                        |
|            | A1263-1.9   | 1.9                        | 19                   | 46                   | 22                   | 1.9                        |
|            | A1263-2     | 2                          | 20                   | 49                   | 24                   | 2                          |
|            | A1263-2.1   | 2.1                        | 20                   | 49                   | 24                   | 2.1                        |
|            | A1263-2.2   | 2.2                        | 23                   | 53                   | 27                   | 2.2                        |
|            | A1263-2.3   | 2.3                        | 23                   | 53                   | 27                   | 2.3                        |
|            | A1263-2.4   | 2.4                        | 26                   | 57                   | 30                   | 2.4                        |
|            | A1263-2.5   | 2.5                        | 26                   | 57                   | 30                   | 2.5                        |
|            | A1263-2.6   | 2.6                        | 26                   | 57                   | 30                   | 2.6                        |
|            | A1263-2.7   | 2.7                        | 28                   | 61                   | 33                   | 2.7                        |
|            | A1263-2.8   | 2.8                        | 28                   | 61                   | 33                   | 2.8                        |
|            | A1263-2.9   | 2.9                        | 28                   | 61                   | 33                   | 2.9                        |
|            | A1263-3     | 3                          | 28                   | 61                   | 33                   | 3                          |
|            | A1263-3.1   | 3.1                        | 30                   | 65                   | 36                   | 3.1                        |
|            | A1263-3.2   | 3.2                        | 30                   | 65                   | 36                   | 3.2                        |
|            | A1263-3.3   | 3.3                        | 30                   | 65                   | 36                   | 3.3                        |
|            | A1263-3.4   | 3.4                        | 33                   | 70                   | 39                   | 3.4                        |
|            | A1263-3.5   | 3.5                        | 33                   | 70                   | 39                   | 3.5                        |
|            | A1263-3.6   | 3.6                        | 33                   | 70                   | 39                   | 3.6                        |
|            | A1263-3.7   | 3.7                        | 33                   | 70                   | 39                   | 3.7                        |
|            | A1263-3.8   | 3.8                        | 36                   | 75                   | 43                   | 3.8                        |
|            | A1263-3.9   | 3.9                        | 36                   | 75                   | 43                   | 3.9                        |
|            | A1263-4     | 4                          | 36                   | 75                   | 43                   | 4                          |
|            | A1263-4.1   | 4.1                        | 36                   | 75                   | 43                   | 4.1                        |

●● Основная область применения   ● Возможная область применения  
 Оптимально подходит для → хороших = 😊 → нормальных = 😐 → неблагоприятных = ☹️ условий обработки

| Инструмент               | Обозначение | D <sub>c</sub><br>h7<br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>h6<br>mm |
|--------------------------|-------------|----------------------------|----------------------|----------------------|----------------------|----------------------------|
| <p>Cylindrical shank</p> | A1263-4.2   | 4,2                        | 36                   | 75                   | 43                   | 4,2                        |
|                          | A1263-4.3   | 4,3                        | 39                   | 80                   | 47                   | 4,3                        |
|                          | A1263-4.4   | 4,4                        | 39                   | 80                   | 47                   | 4,4                        |
|                          | A1263-4.5   | 4,5                        | 39                   | 80                   | 47                   | 4,5                        |
|                          | A1263-4.6   | 4,6                        | 39                   | 80                   | 47                   | 4,6                        |
|                          | A1263-4.7   | 4,7                        | 39                   | 80                   | 47                   | 4,7                        |
|                          | A1263-4.8   | 4,8                        | 44                   | 86                   | 52                   | 4,8                        |
|                          | A1263-4.9   | 4,9                        | 44                   | 86                   | 52                   | 4,9                        |
|                          | A1263-5     | 5                          | 44                   | 86                   | 52                   | 5                          |
|                          | A1263-5.1   | 5,1                        | 44                   | 86                   | 52                   | 5,1                        |
|                          | A1263-5.2   | 5,2                        | 44                   | 86                   | 52                   | 5,2                        |
|                          | A1263-5.3   | 5,3                        | 44                   | 86                   | 52                   | 5,3                        |
|                          | A1263-5.4   | 5,4                        | 48                   | 93                   | 57                   | 5,4                        |
|                          | A1263-5.5   | 5,5                        | 48                   | 93                   | 57                   | 5,5                        |
|                          | A1263-5.6   | 5,6                        | 48                   | 93                   | 57                   | 5,6                        |
|                          | A1263-5.7   | 5,7                        | 48                   | 93                   | 57                   | 5,7                        |
|                          | A1263-5.8   | 5,8                        | 48                   | 93                   | 57                   | 5,8                        |
|                          | A1263-5.9   | 5,9                        | 48                   | 93                   | 57                   | 5,9                        |
|                          | A1263-6     | 6                          | 48                   | 93                   | 57                   | 6                          |
|                          | A1263-6.1   | 6,1                        | 52                   | 101                  | 63                   | 6,1                        |
|                          | A1263-6.2   | 6,2                        | 52                   | 101                  | 63                   | 6,2                        |
|                          | A1263-6.3   | 6,3                        | 52                   | 101                  | 63                   | 6,3                        |
|                          | A1263-6.4   | 6,4                        | 52                   | 101                  | 63                   | 6,4                        |
|                          | A1263-6.5   | 6,5                        | 52                   | 101                  | 63                   | 6,5                        |
|                          | A1263-6.6   | 6,6                        | 52                   | 101                  | 63                   | 6,6                        |
|                          | A1263-6.7   | 6,7                        | 52                   | 101                  | 63                   | 6,7                        |
|                          | A1263-6.8   | 6,8                        | 57                   | 109                  | 69                   | 6,8                        |
|                          | A1263-6.9   | 6,9                        | 57                   | 109                  | 69                   | 6,9                        |
|                          | A1263-7     | 7                          | 57                   | 109                  | 69                   | 7                          |
|                          | A1263-7.1   | 7,1                        | 57                   | 109                  | 69                   | 7,1                        |
|                          | A1263-7.2   | 7,2                        | 57                   | 109                  | 69                   | 7,2                        |
|                          | A1263-7.3   | 7,3                        | 57                   | 109                  | 69                   | 7,3                        |
|                          | A1263-7.4   | 7,4                        | 57                   | 109                  | 69                   | 7,4                        |
|                          | A1263-7.5   | 7,5                        | 57                   | 109                  | 69                   | 7,5                        |
| A1263-7.6                | 7,6         | 62                         | 117                  | 75                   | 7,6                  |                            |
| A1263-7.7                | 7,7         | 62                         | 117                  | 75                   | 7,7                  |                            |
| A1263-7.8                | 7,8         | 62                         | 117                  | 75                   | 7,8                  |                            |
| A1263-7.9                | 7,9         | 62                         | 117                  | 75                   | 7,9                  |                            |
| A1263-8                  | 8           | 62                         | 117                  | 75                   | 8                    |                            |
| A1263-8.1                | 8,1         | 62                         | 117                  | 75                   | 8,1                  |                            |
| A1263-8.2                | 8,2         | 62                         | 117                  | 75                   | 8,2                  |                            |
| A1263-8.3                | 8,3         | 62                         | 117                  | 75                   | 8,3                  |                            |
| A1263-8.4                | 8,4         | 62                         | 117                  | 75                   | 8,4                  |                            |
| A1263-8.5                | 8,5         | 62                         | 117                  | 75                   | 8,5                  |                            |
| A1263-8.6                | 8,6         | 66                         | 125                  | 81                   | 8,6                  |                            |
| A1263-8.7                | 8,7         | 66                         | 125                  | 81                   | 8,7                  |                            |

## Инструмент



Cylindrical shank

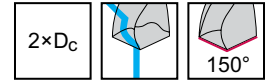
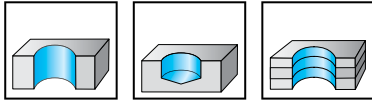
| Обозначение | D <sub>c</sub><br>h7<br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>h6<br>mm |
|-------------|----------------------------|----------------------|----------------------|----------------------|----------------------------|
| A1263-8.8   | 8,8                        | 66                   | 125                  | 81                   | 8,8                        |
| A1263-8.9   | 8,9                        | 66                   | 125                  | 81                   | 8,9                        |
| A1263-9     | 9                          | 66                   | 125                  | 81                   | 9                          |
| A1263-9.1   | 9,1                        | 66                   | 125                  | 81                   | 9,1                        |
| A1263-9.2   | 9,2                        | 66                   | 125                  | 81                   | 9,2                        |
| A1263-9.3   | 9,3                        | 66                   | 125                  | 81                   | 9,3                        |
| A1263-9.4   | 9,4                        | 66                   | 125                  | 81                   | 9,4                        |
| A1263-9.5   | 9,5                        | 66                   | 125                  | 81                   | 9,5                        |
| A1263-9.6   | 9,6                        | 71                   | 133                  | 87                   | 9,6                        |
| A1263-9.7   | 9,7                        | 71                   | 133                  | 87                   | 9,7                        |
| A1263-9.8   | 9,8                        | 71                   | 133                  | 87                   | 9,8                        |
| A1263-9.9   | 9,9                        | 71                   | 133                  | 87                   | 9,9                        |
| A1263-10    | 10                         | 71                   | 133                  | 87                   | 10                         |
| A1263-10.2  | 10,2                       | 71                   | 133                  | 87                   | 10,2                       |
| A1263-10.5  | 10,5                       | 71                   | 133                  | 87                   | 10,5                       |
| A1263-10.8  | 10,8                       | 76                   | 142                  | 94                   | 10,8                       |
| A1263-11    | 11                         | 76                   | 142                  | 94                   | 11                         |
| A1263-11.2  | 11,2                       | 76                   | 142                  | 94                   | 11,2                       |
| A1263-11.5  | 11,5                       | 76                   | 142                  | 94                   | 11,5                       |
| A1263-11.8  | 11,8                       | 76                   | 142                  | 94                   | 11,8                       |
| A1263-12    | 12                         | 87                   | 151                  | 101                  | 12                         |

B1



# Свёрла твердосплавные, малоразмерные, для пилотных отверстий

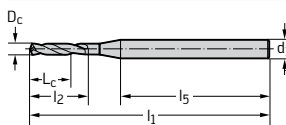
## DB131 Supreme



|        |    |    |    |    |   |   |   |
|--------|----|----|----|----|---|---|---|
|        | P  | M  | K  | N  | S | H | O |
| WJ30EL | ●● | ●● | ●● | ●● | ● | ● | ● |

B1

### Инструмент



DIN 6535 HA

| Обозначение        | D <sub>c</sub><br>p7<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30EL |
|--------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DB131-02-00.500A0- | 0,5                        |                        | 2,2                  | 47                   | 3                    | 37                   | 3                          | ☺      |
| DB131-02-00.600A0- | 0,6                        |                        | 2,1                  | 47                   | 3                    | 37                   | 3                          | ☺      |
| DB131-02-00.700A0- | 0,7                        |                        | 2,9                  | 48                   | 4                    | 39                   | 3                          | ☺      |
| DB131-02-00.750A0- | 0,75                       |                        | 2,8                  | 48                   | 4                    | 37                   | 3                          | ☺      |
| DB131-02-00.794A0- | 0,794                      | 1/32"                  | 2,8                  | 48                   | 4                    | 37                   | 3                          | ☺      |
| DB131-02-00.800A0- | 0,8                        |                        | 2,8                  | 48                   | 4                    | 37                   | 3                          | ☺      |
| DB131-02-00.850A0- | 0,85                       |                        | 3,6                  | 50                   | 5                    | 38                   | 3                          | ☺      |
| DB131-02-00.900A0- | 0,9                        |                        | 3,6                  | 50                   | 5                    | 38                   | 3                          | ☺      |
| DB131-02-00.950A0- | 0,95                       |                        | 3,5                  | 50                   | 5                    | 38                   | 3                          | ☺      |
| DB131-02-01.000A0- | 1                          |                        | 3,5                  | 50                   | 5                    | 38                   | 3                          | ☺      |
| DB131-02-01.050A0- | 1,05                       |                        | 4                    | 51                   | 6                    | 39                   | 3                          | ☺      |
| DB131-02-01.100A0- | 1,1                        |                        | 4                    | 51                   | 6                    | 39                   | 3                          | ☺      |
| DB131-02-01.150A0- | 1,15                       |                        | 4                    | 51                   | 6                    | 39                   | 3                          | ☺      |
| DB131-02-01.191A0- | 1,191                      | 3/64"                  | 4                    | 51                   | 6                    | 39                   | 3                          | ☺      |
| DB131-02-01.200A0- | 1,2                        |                        | 4                    | 51                   | 6                    | 39                   | 3                          | ☺      |
| DB131-02-01.250A0- | 1,25                       |                        | 4                    | 51                   | 6                    | 39                   | 3                          | ☺      |
| DB131-02-01.300A0- | 1,3                        |                        | 5                    | 53                   | 7                    | 40                   | 3                          | ☺      |
| DB131-02-01.350A0- | 1,35                       |                        | 4                    | 53                   | 7                    | 40                   | 3                          | ☺      |
| DB131-02-01.400A0- | 1,4                        |                        | 4                    | 53                   | 7                    | 40                   | 3                          | ☺      |
| DB131-02-01.450A0- | 1,45                       |                        | 5                    | 53                   | 8                    | 39                   | 3                          | ☺      |
| DB131-02-01.500A0- | 1,5                        |                        | 5                    | 53                   | 8                    | 39                   | 3                          | ☺      |
| DB131-02-01.550A0- | 1,55                       |                        | 5                    | 54                   | 8                    | 41                   | 3                          | ☺      |
| DB131-02-01.588A0- | 1,588                      | 1/16"                  | 5                    | 54                   | 8                    | 41                   | 3                          | ☺      |
| DB131-02-01.600A0- | 1,6                        |                        | 5                    | 54                   | 8                    | 41                   | 3                          | ☺      |
| DB131-02-01.650A0- | 1,65                       |                        | 6                    | 54                   | 9                    | 40                   | 3                          | ☺      |
| DB131-02-01.700A0- | 1,7                        |                        | 6                    | 54                   | 9                    | 40                   | 3                          | ☺      |
| DB131-02-01.750A0- | 1,75                       |                        | 6                    | 54                   | 9                    | 40                   | 3                          | ☺      |
| DB131-02-01.800A0- | 1,8                        |                        | 6                    | 54                   | 9                    | 40                   | 3                          | ☺      |
| DB131-02-01.850A0- | 1,85                       |                        | 7                    | 57                   | 10                   | 42                   | 3                          | ☺      |
| DB131-02-01.900A0- | 1,9                        |                        | 7                    | 57                   | 10                   | 42                   | 3                          | ☺      |
| DB131-02-01.950A0- | 1,95                       |                        | 7                    | 57                   | 10                   | 42                   | 3                          | ☺      |
| DB131-02-01.984A0- | 1,984                      | 5/64"                  | 7                    | 57                   | 10                   | 42                   | 3                          | ☺      |

Пример заказа инструмента из сплава WJ30EL: DB131-02-00.500A0-WJ30EL

**WALTER  
SELECT**

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

☺ ☹ ☹ / \* = Новый инструмент

Свёрла твердосплавные без внутреннего подвода СОЖ

B 193

## Инструменты для обработки отверстий/снятия фасок

B1

Вид обработки



Глубина сверления



Обозначение

 D4580  
Xtra-tec®

Рабочие режущие кромки

2

Диапазон Ø

[mm]

4–16

[inch]

0,157–0,630

**P** Сталь

●●

**M** Нержавеющая сталь

●●

**K** Чугун

●●

**N** Цветные металлы

●●

**S** Жаропрочные сплавы

●●

**H** Материалы высокой твёрдости

**O** Прочее

Тип пластин



VC

Кол-во режущих кромок

2

Страница в каталоге

B 196

QR-код


[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

D4580

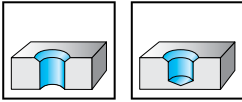
## Инструмент для снятия фасок

D4580 inch

Xtra-tec®



Z=2



|       |    |    |    |    |    |   |   |
|-------|----|----|----|----|----|---|---|
|       | P  | M  | K  | N  | S  | H | O |
| D4580 | ●● | ●● | ●● | ●● | ●● |   |   |

B1

## Инструмент

| Обозначение            | D <sub>c min</sub><br>inch | D <sub>c max</sub><br>inch | d <sub>11</sub><br>inch | d <sub>1</sub><br>inch | d <sub>4</sub><br>inch | l <sub>4</sub><br>inch | l <sub>5</sub><br>inch | lbs   | Кол-во<br>пластин<br>EA | Тип         |
|------------------------|----------------------------|----------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|-------|-------------------------|-------------|
| D4580.45-06.00A13-VC09 | 0,157                      | 0,236                      | 0,236                   | 0,500                  | 0,827                  | 1,000                  | 1,614                  | 0,066 | 2                       | VC .. 09 .. |
| D4580.45-08.00A15-VC09 | 0,24                       | 0,315                      | 0,315                   | 0,625                  | 0,984                  | 1,000                  | 1,752                  | 0,192 | 2                       |             |
| D4580.45-10.00A15-VC09 | 0,319                      | 0,394                      | 0,394                   | 0,625                  | 0,984                  | 1,000                  | 1,752                  | 0,024 | 2                       |             |
| D4580.45-12.00A19-VC09 | 0,398                      | 0,472                      | 0,472                   | 0,750                  | 1,102                  | 1,000                  | 1,831                  | 0,132 | 2                       |             |
| D4580.45-14.00A19-VC09 | 0,476                      | 0,551                      | 0,551                   | 0,750                  | 1,181                  | 1,000                  | 1,831                  | 0,154 | 2                       |             |
| D4580.45-16.00A26-VC09 | 0,555                      | 0,630                      | 0,630                   | 1,000                  | 1,260                  | 1,339                  | 2,087                  | 0,516 | 2                       |             |

Cylindrical shank with collar

Корпус и сборочные детали входят в комплект поставки

## Сборочные детали

|                                 | D <sub>c min</sub> [inch] | 0,157–0,555                |
|---------------------------------|---------------------------|----------------------------|
| Резцовая вставка                |                           | FK390                      |
| Винт пластины<br>Момент затяжки |                           | FS2111 (T7IP)<br>0,664 lbs |
| Регулировочный винт             |                           | FS2029 (SW 1,5)            |

## Комплектующие

|             | D <sub>c min</sub> [inch] | 0,157–0,555          |
|-------------|---------------------------|----------------------|
| Ключ (Torx) |                           | FS1490 (T7IP)        |
| Ключ        |                           | ISO2936-1,5 (SW 1,5) |

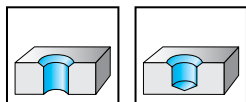
WALTER  
SELECT

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

# Инструмент для снятия фасок

 D4580 
**Xtra-tec®**


Z=2



B1

|       |    |    |    |    |    |   |   |
|-------|----|----|----|----|----|---|---|
|       | P  | M  | K  | N  | S  | H | O |
| D4580 | ●● | ●● | ●● | ●● | ●● |   |   |




## Инструмент

| Обозначение            | D <sub>c min</sub><br>mm | D <sub>c max</sub><br>mm | d <sub>11</sub><br>mm | d <sub>1</sub><br>mm | d <sub>4</sub><br>mm | l <sub>4</sub><br>mm | l <sub>5</sub><br>mm | kg   | Кол-во<br>пластин<br>EA | Тип         |
|------------------------|--------------------------|--------------------------|-----------------------|----------------------|----------------------|----------------------|----------------------|------|-------------------------|-------------|
| D4580-45-06.00A12-VC09 | 4                        | 6                        | 6                     | 12                   | 21                   | 25                   | 41                   | 0,06 | 2                       | VC .. 09 .. |
| D4580-45-08.00A16-VC09 | 6,1                      | 8                        | 8                     | 16                   | 25                   | 25                   | 44,5                 | 0,04 | 2                       |             |
| D4580-45-10.00A16-VC09 | 8,1                      | 10                       | 10                    | 16                   | 25                   | 25                   | 44,5                 | 0,11 | 2                       |             |
| D4580-45-12.00A20-VC09 | 10,1                     | 12                       | 12                    | 20                   | 28                   | 25                   | 46,5                 | 0,06 | 2                       |             |
| D4580-45-14.00A20-VC09 | 12,1                     | 14                       | 14                    | 20                   | 30                   | 25                   | 46,5                 | 0,07 | 2                       |             |
| D4580-45-16.00A25-VC09 | 14,1                     | 16                       | 16                    | 25                   | 32                   | 34                   | 53                   | 0,08 | 2                       |             |

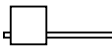

Cylindrical shank with collar

Корпус и сборочные детали входят в комплект поставки

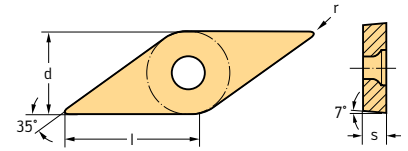
## Сборочные детали

|   | D <sub>c min</sub> (mm) | 4-14,1                  |
|---|-------------------------|-------------------------|
|  Резцовая вставка                 |                         | FK390                   |
|  Винт пластины<br>Момент затяжки |                         | FS2111 (T7IP)<br>0,9 Nm |
|  Регулировочный винт             |                         | FS2029 (SW 1,5)         |


## Комплектующие

|   | D <sub>c min</sub> (mm) | 4-14,1               |
|---|-------------------------|----------------------|
|  Ключ (Torx) |                         | FS1490 (T7IP)        |
|  Ключ        |                         | ISO2936-1,5 (SW 1,5) |

# Пластины с задними углами 35° VCGX



## Пластины

| Обозначение  | Кол-во режущих кромок | l mm | r mm | s mm | d mm  | P     |        | M     |        | K     |        | S  |    |
|--|-----------------------|------|------|------|-------|-------|--------|-------|--------|-------|--------|----|----|
|  |                       |      |      |      |       | WXP30 | WSP45G | WXP40 | WSP45G | WXP30 | WSP45G | HC | HC |
|  VCGX0902ACFR | 2                     | 9    | 0,2  | 2,5  | 5,556 | ☺     | ☺      | ☺     | ☺      | ☺     | ☺      | ☺  | ☺  |

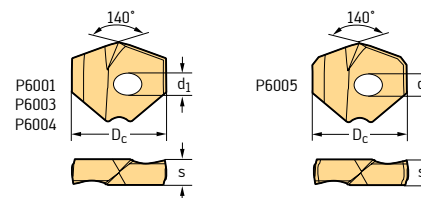
Пример заказа инструмента из сплава WSP45G: VCGX0902ACFR WSP45G

HC = твёрдый сплав с покрытием

B1

## Пластины

## P6001 / P6003 / P6004 / P6005 / P6006



## Сменные пластины

B1

| Обозначение   | Кол-во режущих кромок | D <sub>c</sub><br>mm | Посадочный размер | d <sub>1</sub><br>mm | s<br>mm | P     |       | M      | K     | N      | S     |
|---------------|-----------------------|----------------------|-------------------|----------------------|---------|-------|-------|--------|-------|--------|-------|
|               |                       |                      |                   |                      |         | HC    |       | HC     | HC    | HC     | HC    |
|               |                       |                      |                   |                      |         | WPP25 | WMP35 | WPP45C | WMP35 | WKK45C | WNN25 |
| P6001-D12,00R | 1                     | 12                   | A                 | 3                    | 3,6     |       |       | ☑      |       |        |       |
| P6001-D12,10R | 1                     | 12,1                 | A                 | 3                    | 3,6     |       |       | ☑      |       |        |       |
| P6001-D12,20R | 1                     | 12,2                 | A                 | 3                    | 3,6     |       |       | ☑      |       |        |       |
| P6001-D12,30R | 1                     | 12,3                 | A                 | 3                    | 3,6     |       |       | ☑      |       |        |       |
| P6001-D12,40R | 1                     | 12,4                 | A                 | 3                    | 3,6     |       |       | ☑      |       |        |       |
| P6001-D12,50R | 1                     | 12,5                 | A                 | 3                    | 3,6     |       |       | ☑      |       |        |       |
| P6001-D12,60R | 1                     | 12,6                 | A                 | 3                    | 3,6     |       |       | ☑      |       |        |       |
| P6001-D12,70R | 1                     | 12,7                 | A                 | 3                    | 3,6     |       |       | ☑      |       |        |       |
| P6001-D12,80R | 1                     | 12,8                 | A                 | 3                    | 3,6     |       |       | ☑      |       |        |       |
| P6001-D12,90R | 1                     | 12,9                 | A                 | 3                    | 3,6     |       |       | ☑      |       |        |       |
| P6001-D13,00R | 1                     | 13                   | A                 | 3                    | 3,6     |       |       | ☑      |       |        |       |
| P6001-D13,11R | 1                     | 13,11                | A                 | 3                    | 3,6     |       |       | ☑      |       |        |       |
| P6001-D13,20R | 1                     | 13,2                 | A                 | 3                    | 3,6     |       |       | ☑      |       |        |       |
| P6001-D13,30R | 1                     | 13,3                 | A                 | 3                    | 3,6     |       |       | ☑      |       |        |       |
| P6001-D13,40R | 1                     | 13,4                 | A                 | 3                    | 3,6     |       |       | ☑      |       |        |       |
| P6001-D13,50R | 1                     | 13,5                 | A                 | 3                    | 3,6     |       |       | ☑      |       |        |       |
| P6001-D13,60R | 1                     | 13,6                 | A                 | 3                    | 3,6     |       |       | ☑      |       |        |       |
| P6001-D13,70R | 1                     | 13,7                 | A                 | 3                    | 3,6     |       |       | ☑      |       |        |       |
| P6001-D13,80R | 1                     | 13,8                 | A                 | 3                    | 3,6     |       |       | ☑      |       |        |       |
| P6001-D13,89R | 1                     | 13,89                | A                 | 3                    | 3,6     |       |       | ☑      |       |        |       |
| P6001-D14,00R | 1                     | 14                   | B                 | 3                    | 4       |       |       | ☑      |       |        |       |
| P6001-D14,10R | 1                     | 14,1                 | B                 | 3                    | 4       |       |       | ☑      |       |        |       |
| P6001-D14,20R | 1                     | 14,2                 | B                 | 3                    | 4       |       |       | ☑      |       |        |       |
| P6001-D14,30R | 1                     | 14,3                 | B                 | 3                    | 4       |       |       | ☑      |       |        |       |
| P6001-D14,40R | 1                     | 14,4                 | B                 | 3                    | 4       |       |       | ☑      |       |        |       |
| P6001-D14,50R | 1                     | 14,5                 | B                 | 3                    | 4       |       |       | ☑      |       |        |       |
| P6001-D14,60R | 1                     | 14,6                 | B                 | 3                    | 4       |       |       | ☑      |       |        |       |
| P6001-D14,68R | 1                     | 14,68                | B                 | 3                    | 4       |       |       | ☑      |       |        |       |
| P6001-D14,80R | 1                     | 14,8                 | B                 | 3                    | 4       |       |       | ☑      |       |        |       |
| P6001-D14,90R | 1                     | 14,9                 | B                 | 3                    | 4       |       |       | ☑      |       |        |       |
| P6001-D15,00R | 1                     | 15                   | B                 | 3                    | 4       |       |       | ☑      |       |        |       |
| P6001-D15,09R | 1                     | 15,09                | B                 | 3                    | 4       |       |       | ☑      |       |        |       |
| P6001-D15,20R | 1                     | 15,2                 | B                 | 3                    | 4       |       |       | ☑      |       |        |       |
| P6001-D15,30R | 1                     | 15,3                 | B                 | 3                    | 4       |       |       | ☑      |       |        |       |
| P6001-D15,47R | 1                     | 15,47                | B                 | 3                    | 4       |       |       | ☑      |       |        |       |
| P6001-D15,50R | 1                     | 15,5                 | B                 | 3                    | 4       |       |       | ☑      |       |        |       |
| P6001-D15,60R | 1                     | 15,6                 | B                 | 3                    | 4       |       |       | ☑      |       |        |       |
| P6001-D15,70R | 1                     | 15,7                 | B                 | 3                    | 4       |       |       | ☑      |       |        |       |
| P6001-D15,80R | 1                     | 15,8                 | B                 | 3                    | 4       |       |       | ☑      |       |        |       |
| P6001-D15,87R | 1                     | 15,87                | B                 | 3                    | 4       |       |       | ☑      |       |        |       |
| P6001-D16,00R | 1                     | 16                   | C                 | 4                    | 4,5     |       |       | ☑      |       |        |       |
| P6001-D16,13R | 1                     | 16,13                | C                 | 4                    | 4,5     |       |       | ☑      |       |        |       |
| P6001-D16,26R | 1                     | 16,26                | C                 | 4                    | 4,5     |       |       | ☑      |       |        |       |

Пример заказа: P60.. -D13,00R доступны в геометрии

P6006 из сплава WPP25 (ISO P, не легированные стали); P6006-D13,00R WPP25

P6003 из сплава WMP35 (ISO P, ISO M и ISO S); P6003-D13,00R WMP35 или в исполнении

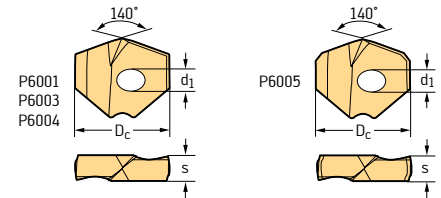
P6001 из сплава WPP45C (ISO P); P6001-D13,00R WPP45C

Пример заказа инструмента из сплава WPP45C: P6001-D12,00R WPP45C

HC = твёрдый сплав с покрытием

# Пластины

## P6001 / P6003 / P6004 / P6005 / P6006



### Сменные пластины

| Обозначение   | Кол-во режущих кромок | Dc mm | Посадочный размер | d1 mm | s mm | P     |    | M  | K  | N  | S  |
|---------------|-----------------------|-------|-------------------|-------|------|-------|----|----|----|----|----|
|               |                       |       |                   |       |      | WPP25 | HC | HC | HC | HC | HC |
| P6001-D16,43R | 1                     | 16,43 | C                 | 4     | 4,5  |       |    | ☺  |    |    |    |
| P6001-D16,50R | 1                     | 16,5  | C                 | 4     | 4,5  |       |    | ☺  |    |    |    |
| P6001-D16,66R | 1                     | 16,66 | C                 | 4     | 4,5  |       |    | ☺  |    |    |    |
| P6001-D16,70R | 1                     | 16,7  | C                 | 4     | 4,5  |       |    | ☺  |    |    |    |
| P6001-D17,00R | 1                     | 17    | C                 | 4     | 4,5  |       |    | ☺  |    |    |    |
| P6001-D17,07R | 1                     | 17,07 | C                 | 4     | 4,5  |       |    | ☺  |    |    |    |
| P6001-D17,20R | 1                     | 17,2  | C                 | 4     | 4,5  |       |    | ☺  |    |    |    |
| P6001-D17,45R | 1                     | 17,45 | C                 | 4     | 4,5  |       |    | ☺  |    |    |    |
| P6001-D17,50R | 1                     | 17,5  | C                 | 4     | 4,5  |       |    | ☺  |    |    |    |
| P6001-D17,70R | 1                     | 17,7  | C                 | 4     | 4,5  |       |    | ☺  |    |    |    |
| P6001-D17,86R | 1                     | 17,86 | C                 | 4     | 4,5  |       |    | ☺  |    |    |    |
| P6001-D18,00R | 1                     | 18    | D                 | 4     | 5    |       |    | ☺  |    |    |    |
| P6001-D18,24R | 1                     | 18,24 | D                 | 4     | 5    |       |    | ☺  |    |    |    |
| P6001-D18,50R | 1                     | 18,5  | D                 | 4     | 5    |       |    | ☺  |    |    |    |
| P6001-D18,65R | 1                     | 18,65 | D                 | 4     | 5    |       |    | ☺  |    |    |    |
| P6001-D18,70R | 1                     | 18,7  | D                 | 4     | 5    |       |    | ☺  |    |    |    |
| P6001-D18,80R | 1                     | 18,8  | D                 | 4     | 5    |       |    | ☺  |    |    |    |
| P6001-D19,00R | 1                     | 19    | D                 | 4     | 5    |       |    | ☺  |    |    |    |
| P6001-D19,05R | 1                     | 19,05 | D                 | 4     | 5    |       |    | ☺  |    |    |    |
| P6001-D19,20R | 1                     | 19,2  | D                 | 4     | 5    |       |    | ☺  |    |    |    |
| P6001-D19,25R | 1                     | 19,25 | D                 | 4     | 5    |       |    | ☺  |    |    |    |
| P6001-D19,30R | 1                     | 19,3  | D                 | 4     | 5    |       |    | ☺  |    |    |    |
| P6001-D19,43R | 1                     | 19,43 | D                 | 4     | 5    |       |    | ☺  |    |    |    |
| P6001-D19,50R | 1                     | 19,5  | D                 | 4     | 5    |       |    | ☺  |    |    |    |
| P6001-D19,60R | 1                     | 19,6  | D                 | 4     | 5    |       |    | ☺  |    |    |    |
| P6001-D19,70R | 1                     | 19,7  | D                 | 4     | 5    |       |    | ☺  |    |    |    |
| P6001-D19,84R | 1                     | 19,84 | D                 | 4     | 5    |       |    | ☺  |    |    |    |
| P6001-D20,00R | 1                     | 20    | E                 | 5     | 5,5  |       |    | ☺  |    |    |    |
| P6001-D20,20R | 1                     | 20,2  | E                 | 5     | 5,5  |       |    | ☺  |    |    |    |
| P6001-D20,24R | 1                     | 20,24 | E                 | 5     | 5,5  |       |    | ☺  |    |    |    |
| P6001-D20,50R | 1                     | 20,5  | E                 | 5     | 5,5  |       |    | ☺  |    |    |    |
| P6001-D20,62R | 1                     | 20,62 | E                 | 5     | 5,5  |       |    | ☺  |    |    |    |
| P6001-D20,70R | 1                     | 20,7  | E                 | 5     | 5,5  |       |    | ☺  |    |    |    |
| P6001-D21,00R | 1                     | 21    | E                 | 5     | 5,5  |       |    | ☺  |    |    |    |
| P6001-D21,41R | 1                     | 21,41 | E                 | 5     | 5,5  |       |    | ☺  |    |    |    |
| P6001-D21,50R | 1                     | 21,5  | E                 | 5     | 5,5  |       |    | ☺  |    |    |    |
| P6001-D21,70R | 1                     | 21,7  | E                 | 5     | 5,5  |       |    | ☺  |    |    |    |
| P6001-D21,83R | 1                     | 21,83 | E                 | 5     | 5,5  |       |    | ☺  |    |    |    |
| P6001-D22,00R | 1                     | 22    | F                 | 5     | 6    |       |    | ☺  |    |    |    |
| P6001-D22,22R | 1                     | 22,22 | F                 | 5     | 6    |       |    | ☺  |    |    |    |
| P6001-D22,42R | 1                     | 22,42 | F                 | 5     | 6    |       |    | ☺  |    |    |    |
| P6001-D22,50R | 1                     | 22,5  | F                 | 5     | 6    |       |    | ☺  |    |    |    |
| P6001-D22,62R | 1                     | 22,62 | F                 | 5     | 6    |       |    | ☺  |    |    |    |

Пример заказа: P60.. -D13,00R доступны в геометрии  
 P6006 из сплава WPP25 (ISO P, нелегированные стали); P6006-D13,00R WPP25  
 P6003 из сплава WMP35 (ISO P, ISO M и ISO S); P6003-D13,00R WMP35 или в исполнении  
 P6001 из сплава WPP45C (ISO P); P6001-D13,00R WPP45C  
 Пример заказа инструмента из сплава WPP45C: P6001-D12,00R WPP45C

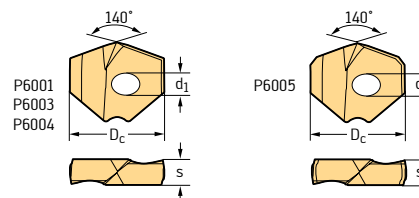
HC = твёрдый сплав с покрытием

**WALTER SELECT**      Оптимальная пластина для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условия обработки

B1

## Пластины

## P6001 / P6003 / P6004 / P6005 / P6006



## Сменные пластины

B1

| Обозначение   | Кол-во режущих кромок | D <sub>c</sub><br>mm | Посадочный размер | d <sub>1</sub><br>mm | s<br>mm | P     |       | M      | K     | N      | S     |
|---------------|-----------------------|----------------------|-------------------|----------------------|---------|-------|-------|--------|-------|--------|-------|
|               |                       |                      |                   |                      |         | HC    |       | HC     | HC    | HC     | HC    |
|               |                       |                      |                   |                      |         | WPP25 | WMP35 | WPP45C | WMP35 | WKK45C | WNN25 |
| P6001-D22,70R | 1                     | 22,7                 | F                 | 5                    | 6       |       |       | ☑      |       |        |       |
| P6001-D23,00R | 1                     | 23                   | F                 | 5                    | 6       |       |       | ☑      |       |        |       |
| P6001-D23,39R | 1                     | 23,39                | F                 | 5                    | 6       |       |       | ☑      |       |        |       |
| P6001-D23,50R | 1                     | 23,5                 | F                 | 5                    | 6       |       |       | ☑      |       |        |       |
| P6001-D23,70R | 1                     | 23,7                 | F                 | 5                    | 6       |       |       | ☑      |       |        |       |
| P6001-D23,80R | 1                     | 23,8                 | F                 | 5                    | 6       |       |       | ☑      |       |        |       |
| P6001-D24,00R | 1                     | 24                   | G                 | 5                    | 6,5     |       |       | ☑      |       |        |       |
| P6001-D24,21R | 1                     | 24,21                | G                 | 5                    | 6,5     |       |       | ☑      |       |        |       |
| P6001-D24,50R | 1                     | 24,5                 | G                 | 5                    | 6,5     |       |       | ☑      |       |        |       |
| P6001-D24,59R | 1                     | 24,59                | G                 | 5                    | 6,5     |       |       | ☑      |       |        |       |
| P6001-D24,70R | 1                     | 24,7                 | G                 | 5                    | 6,5     |       |       | ☑      |       |        |       |
| P6001-D25,00R | 1                     | 25                   | G                 | 5                    | 6,5     |       |       | ☑      |       |        |       |
| P6001-D25,25R | 1                     | 25,25                | G                 | 5                    | 6,5     |       |       | ☑      |       |        |       |
| P6001-D25,40R | 1                     | 25,4                 | G                 | 5                    | 6,5     |       |       | ☑      |       |        |       |
| P6001-D25,50R | 1                     | 25,5                 | G                 | 5                    | 6,5     |       |       | ☑      |       |        |       |
| P6001-D25,65R | 1                     | 25,65                | G                 | 5                    | 6,5     |       |       | ☑      |       |        |       |
| P6001-D25,70R | 1                     | 25,7                 | G                 | 5                    | 6,5     |       |       | ☑      |       |        |       |
| P6001-D25,80R | 1                     | 25,8                 | G                 | 5                    | 6,5     |       |       | ☑      |       |        |       |
| P6001-D26,00R | 1                     | 26                   | H                 | 6                    | 7,1     |       |       | ☑      |       |        |       |
| P6001-D26,25R | 1                     | 26,25                | H                 | 6                    | 7,1     |       |       | ☑      |       |        |       |
| P6001-D26,50R | 1                     | 26,5                 | H                 | 6                    | 7,1     |       |       | ☑      |       |        |       |
| P6001-D26,59R | 1                     | 26,59                | H                 | 6                    | 7,1     |       |       | ☑      |       |        |       |
| P6001-D27,00R | 1                     | 27                   | H                 | 6                    | 7,1     |       |       | ☑      |       |        |       |
| P6001-D27,38R | 1                     | 27,38                | H                 | 6                    | 7,1     |       |       | ☑      |       |        |       |
| P6001-D27,50R | 1                     | 27,5                 | H                 | 6                    | 7,1     |       |       | ☑      |       |        |       |
| P6001-D27,78R | 1                     | 27,78                | H                 | 6                    | 7,1     |       |       | ☑      |       |        |       |
| P6001-D28,00R | 1                     | 28                   | J                 | 6                    | 7,7     |       |       | ☑      |       |        |       |
| P6001-D28,17R | 1                     | 28,17                | J                 | 6                    | 7,7     |       |       | ☑      |       |        |       |
| P6001-D28,50R | 1                     | 28,5                 | J                 | 6                    | 7,7     |       |       | ☑      |       |        |       |
| P6001-D28,57R | 1                     | 28,57                | J                 | 6                    | 7,7     |       |       | ☑      |       |        |       |
| P6001-D29,00R | 1                     | 29                   | J                 | 6                    | 7,7     |       |       | ☑      |       |        |       |
| P6001-D29,37R | 1                     | 29,37                | J                 | 6                    | 7,7     |       |       | ☑      |       |        |       |
| P6001-D29,50R | 1                     | 29,5                 | J                 | 6                    | 7,7     |       |       | ☑      |       |        |       |
| P6001-D29,77R | 1                     | 29,77                | J                 | 6                    | 7,7     |       |       | ☑      |       |        |       |
| P6001-D30,00R | 1                     | 30                   | K                 | 6                    | 8       |       |       | ☑      |       |        |       |
| P6001-D30,15R | 1                     | 30,15                | K                 | 6                    | 8       |       |       | ☑      |       |        |       |
| P6001-D30,50R | 1                     | 30,5                 | K                 | 6                    | 8       |       |       | ☑      |       |        |       |
| P6001-D31,00R | 1                     | 31                   | K                 | 6                    | 8       |       |       | ☑      |       |        |       |
| P6001-D31,50R | 1                     | 31,5                 | K                 | 6                    | 8       |       |       | ☑      |       |        |       |
| P6001-D31,75R | 1                     | 31,75                | K                 | 6                    | 8       |       |       | ☑      |       |        |       |
| P6001-D31,99R | 1                     | 31,99                | K                 | 6                    | 8       |       |       | ☑      |       |        |       |
| P6001-D32,00R | 1                     | 32                   | M                 | 6                    | 8,3     |       |       | ☑      |       |        |       |
| P6001-D32,10R | 1                     | 32,1                 | M                 | 6                    | 8,3     |       |       | ☑      |       |        |       |

Пример заказа: P60.. -D13,00R доступны в геометрии

P6006 из сплава WPP25 (ISO P, нелегированные стали); P6006-D13,00R WPP25

P6003 из сплава WMP35 (ISO P, ISO M и ISO S); P6003-D13,00R WMP35 или в исполнении

P6001 из сплава WPP45C (ISO P); P6001-D13,00R WPP45C

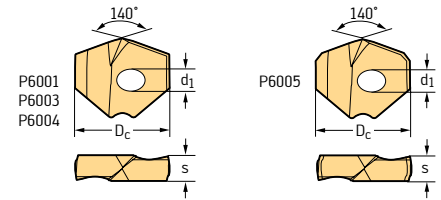
Пример заказа инструмента из сплава WPP45C: P6001-D12,00R WPP45C

HC = твёрдый сплав с покрытием



# Пластины

## P6001 / P6003 / P6004 / P6005 / P6006



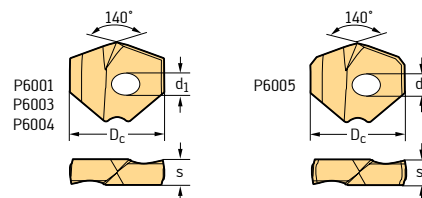
### Сменные пластины

| Обозначение   | Кол-во режущих кромок | Dc mm | Посадочный размер | d1 mm | s mm | P     |    | M     | K  | N  | S  |
|---------------|-----------------------|-------|-------------------|-------|------|-------|----|-------|----|----|----|
|               |                       |       |                   |       |      | WPP25 | HC | WMP35 | HC | HC | HC |
|               | P6001-D33,00R         | 1     | 33                | M     | 6    | 8,3   |    | ☼     |    |    |    |
|               | P6001-D34,00R         | 1     | 34                | N     | 6    | 8,6   |    | ☼     |    |    |    |
|               | P6001-D35,00R         | 1     | 35                | N     | 6    | 8,6   |    | ☼     |    |    |    |
|               | P6001-D36,00R         | 1     | 36                | P     | 6    | 8,9   |    | ☼     |    |    |    |
|               | P6001-D37,00R         | 1     | 37                | P     | 6    | 8,9   |    | ☼     |    |    |    |
| P6001-D37,99R | 1                     | 37,99 | P                 | 6     | 8,9  |       | ☼  |       |    |    |    |
|               | P6003-D12,00R         | 1     | 12                | A     | 3    | 3,6   | ☼  | ☼     |    |    | ☼  |
|               | P6003-D12,10R         | 1     | 12,1              | A     | 3    | 3,6   | ☼  | ☼     |    |    | ☼  |
|               | P6003-D12,20R         | 1     | 12,2              | A     | 3    | 3,6   | ☼  | ☼     |    |    | ☼  |
|               | P6003-D12,30R         | 1     | 12,3              | A     | 3    | 3,6   | ☼  | ☼     |    |    | ☼  |
|               | P6003-D12,40R         | 1     | 12,4              | A     | 3    | 3,6   | ☼  | ☼     |    |    | ☼  |
|               | P6003-D12,50R         | 1     | 12,5              | A     | 3    | 3,6   | ☼  | ☼     |    |    | ☼  |
|               | P6003-D12,60R         | 1     | 12,6              | A     | 3    | 3,6   | ☼  | ☼     |    |    | ☼  |
|               | P6003-D12,70R         | 1     | 12,7              | A     | 3    | 3,6   | ☼  | ☼     |    |    | ☼  |
|               | P6003-D12,80R         | 1     | 12,8              | A     | 3    | 3,6   | ☼  | ☼     |    |    | ☼  |
|               | P6003-D12,90R         | 1     | 12,9              | A     | 3    | 3,6   | ☼  | ☼     |    |    | ☼  |
|               | P6003-D12,95R         | 1     | 12,95             | A     | 3    | 3,6   | ☼  | ☼     |    |    | ☼  |
|               | P6003-D13,00R         | 1     | 13                | A     | 3    | 3,6   | ☼  | ☼     |    |    | ☼  |
|               | P6003-D13,11R         | 1     | 13,11             | A     | 3    | 3,6   | ☼  | ☼     |    |    | ☼  |
|               | P6003-D13,20R         | 1     | 13,2              | A     | 3    | 3,6   | ☼  | ☼     |    |    | ☼  |
|               | P6003-D13,25R         | 1     | 13,25             | A     | 3    | 3,6   | ☼  | ☼     |    |    | ☼  |
|               | P6003-D13,30R         | 1     | 13,3              | A     | 3    | 3,6   | ☼  | ☼     |    |    | ☼  |
|               | P6003-D13,40R         | 1     | 13,4              | A     | 3    | 3,6   | ☼  | ☼     |    |    | ☼  |
|               | P6003-D13,50R         | 1     | 13,5              | A     | 3    | 3,6   | ☼  | ☼     |    |    | ☼  |
|               | P6003-D13,60R         | 1     | 13,6              | A     | 3    | 3,6   | ☼  | ☼     |    |    | ☼  |
|               | P6003-D13,70R         | 1     | 13,7              | A     | 3    | 3,6   | ☼  | ☼     |    |    | ☼  |
|               | P6003-D13,80R         | 1     | 13,8              | A     | 3    | 3,6   | ☼  | ☼     |    |    | ☼  |
|               | P6003-D13,89R         | 1     | 13,89             | A     | 3    | 3,6   | ☼  | ☼     |    |    | ☼  |
|               | P6003-D14,00R         | 1     | 14                | B     | 3    | 4     | ☼  | ☼     |    |    | ☼  |
|               | P6003-D14,10R         | 1     | 14,1              | B     | 3    | 4     | ☼  | ☼     |    |    | ☼  |
|               | P6003-D14,20R         | 1     | 14,2              | B     | 3    | 4     | ☼  | ☼     |    |    | ☼  |
|               | P6003-D14,30R         | 1     | 14,3              | B     | 3    | 4     | ☼  | ☼     |    |    | ☼  |
|               | P6003-D14,40R         | 1     | 14,4              | B     | 3    | 4     | ☼  | ☼     |    |    | ☼  |
|               | P6003-D14,50R         | 1     | 14,5              | B     | 3    | 4     | ☼  | ☼     |    |    | ☼  |
|               | P6003-D14,60R         | 1     | 14,6              | B     | 3    | 4     | ☼  | ☼     |    |    | ☼  |
|               | P6003-D14,68R         | 1     | 14,68             | B     | 3    | 4     | ☼  | ☼     |    |    | ☼  |
|               | P6003-D14,80R         | 1     | 14,8              | B     | 3    | 4     | ☼  | ☼     |    |    | ☼  |
| P6003-D14,90R | 1                     | 14,9  | B                 | 3     | 4    | ☼     | ☼  |       |    | ☼  |    |
| P6003-D15,00R | 1                     | 15    | B                 | 3     | 4    | ☼     | ☼  |       |    | ☼  |    |
| P6003-D15,09R | 1                     | 15,09 | B                 | 3     | 4    | ☼     | ☼  |       |    | ☼  |    |
| P6003-D15,20R | 1                     | 15,2  | B                 | 3     | 4    | ☼     | ☼  |       |    | ☼  |    |
| P6003-D15,30R | 1                     | 15,3  | B                 | 3     | 4    | ☼     | ☼  |       |    | ☼  |    |
| P6003-D15,40R | 1                     | 15,4  | B                 | 3     | 4    | ☼     | ☼  |       |    | ☼  |    |

Пример заказа: P60.. -D13,00R доступны в геометрии  
 P6006 из сплава WPP25 (ISO P, не легированные стали); P6006-D13,00R WPP25  
 P6003 из сплава WMP35 (ISO P, ISO M и ISO S); P6003-D13,00R WMP35 или в исполнении  
 P6001 из сплава WPP45C (ISO P); P6001-D13,00R WPP45C  
 Пример заказа инструмента из сплава WPP45C: P6001-D12,00R WPP45C  
 HC = твёрдый сплав с покрытием

## Пластины

## P6001 / P6003 / P6004 / P6005 / P6006



## Сменные пластины

B1

| Обозначение   | Кол-во режущих кромок | D <sub>c</sub><br>mm | Посадочный размер | d <sub>1</sub><br>mm | s<br>mm | P     |    | M     | K  | N  | S  |
|---------------|-----------------------|----------------------|-------------------|----------------------|---------|-------|----|-------|----|----|----|
|               |                       |                      |                   |                      |         | WPP25 | HC | WMP35 | HC | HC | HC |
| P6003-D15,47R | 1                     | 15,47                | B                 | 3                    | 4       | ☑     | ☑  | ☑     | ☑  | ☑  | ☑  |
| P6003-D15,50R | 1                     | 15,5                 | B                 | 3                    | 4       | ☑     | ☑  | ☑     | ☑  | ☑  | ☑  |
| P6003-D15,60R | 1                     | 15,6                 | B                 | 3                    | 4       | ☑     | ☑  | ☑     | ☑  | ☑  | ☑  |
| P6003-D15,70R | 1                     | 15,7                 | B                 | 3                    | 4       | ☑     | ☑  | ☑     | ☑  | ☑  | ☑  |
| P6003-D15,80R | 1                     | 15,8                 | B                 | 3                    | 4       | ☑     | ☑  | ☑     | ☑  | ☑  | ☑  |
| P6003-D15,87R | 1                     | 15,87                | B                 | 3                    | 4       | ☑     | ☑  | ☑     | ☑  | ☑  | ☑  |
| P6003-D16,00R | 1                     | 16                   | C                 | 4                    | 4,5     | ☑     | ☑  | ☑     | ☑  | ☑  | ☑  |
| P6003-D16,13R | 1                     | 16,13                | C                 | 4                    | 4,5     | ☑     | ☑  | ☑     | ☑  | ☑  | ☑  |
| P6003-D16,26R | 1                     | 16,26                | C                 | 4                    | 4,5     | ☑     | ☑  | ☑     | ☑  | ☑  | ☑  |
| P6003-D16,43R | 1                     | 16,43                | C                 | 4                    | 4,5     | ☑     | ☑  | ☑     | ☑  | ☑  | ☑  |
| P6003-D16,50R | 1                     | 16,5                 | C                 | 4                    | 4,5     | ☑     | ☑  | ☑     | ☑  | ☑  | ☑  |
| P6003-D16,66R | 1                     | 16,66                | C                 | 4                    | 4,5     | ☑     | ☑  | ☑     | ☑  | ☑  | ☑  |
| P6003-D16,70R | 1                     | 16,7                 | C                 | 4                    | 4,5     | ☑     | ☑  | ☑     | ☑  | ☑  | ☑  |
| P6003-D17,00R | 1                     | 17                   | C                 | 4                    | 4,5     | ☑     | ☑  | ☑     | ☑  | ☑  | ☑  |
| P6003-D17,07R | 1                     | 17,07                | C                 | 4                    | 4,5     | ☑     | ☑  | ☑     | ☑  | ☑  | ☑  |
| P6003-D17,20R | 1                     | 17,2                 | C                 | 4                    | 4,5     | ☑     | ☑  | ☑     | ☑  | ☑  | ☑  |
| P6003-D17,45R | 1                     | 17,45                | C                 | 4                    | 4,5     | ☑     | ☑  | ☑     | ☑  | ☑  | ☑  |
| P6003-D17,50R | 1                     | 17,5                 | C                 | 4                    | 4,5     | ☑     | ☑  | ☑     | ☑  | ☑  | ☑  |
| P6003-D17,70R | 1                     | 17,7                 | C                 | 4                    | 4,5     | ☑     | ☑  | ☑     | ☑  | ☑  | ☑  |
| P6003-D17,86R | 1                     | 17,86                | C                 | 4                    | 4,5     | ☑     | ☑  | ☑     | ☑  | ☑  | ☑  |
| P6003-D18,00R | 1                     | 18                   | D                 | 4                    | 5       | ☑     | ☑  | ☑     | ☑  | ☑  | ☑  |
| P6003-D18,24R | 1                     | 18,24                | D                 | 4                    | 5       | ☑     | ☑  | ☑     | ☑  | ☑  | ☑  |
| P6003-D18,50R | 1                     | 18,5                 | D                 | 4                    | 5       | ☑     | ☑  | ☑     | ☑  | ☑  | ☑  |
| P6003-D18,65R | 1                     | 18,65                | D                 | 4                    | 5       | ☑     | ☑  | ☑     | ☑  | ☑  | ☑  |
| P6003-D18,70R | 1                     | 18,7                 | D                 | 4                    | 5       | ☑     | ☑  | ☑     | ☑  | ☑  | ☑  |
| P6003-D18,80R | 1                     | 18,8                 | D                 | 4                    | 5       | ☑     | ☑  | ☑     | ☑  | ☑  | ☑  |
| P6003-D19,00R | 1                     | 19                   | D                 | 4                    | 5       | ☑     | ☑  | ☑     | ☑  | ☑  | ☑  |
| P6003-D19,05R | 1                     | 19,05                | D                 | 4                    | 5       | ☑     | ☑  | ☑     | ☑  | ☑  | ☑  |
| P6003-D19,20R | 1                     | 19,2                 | D                 | 4                    | 5       | ☑     | ☑  | ☑     | ☑  | ☑  | ☑  |
| P6003-D19,25R | 1                     | 19,25                | D                 | 4                    | 5       | ☑     | ☑  | ☑     | ☑  | ☑  | ☑  |
| P6003-D19,30R | 1                     | 19,3                 | D                 | 4                    | 5       | ☑     | ☑  | ☑     | ☑  | ☑  | ☑  |
| P6003-D19,43R | 1                     | 19,43                | D                 | 4                    | 5       | ☑     | ☑  | ☑     | ☑  | ☑  | ☑  |
| P6003-D19,50R | 1                     | 19,5                 | D                 | 4                    | 5       | ☑     | ☑  | ☑     | ☑  | ☑  | ☑  |
| P6003-D19,60R | 1                     | 19,6                 | D                 | 4                    | 5       | ☑     | ☑  | ☑     | ☑  | ☑  | ☑  |
| P6003-D19,70R | 1                     | 19,7                 | D                 | 4                    | 5       | ☑     | ☑  | ☑     | ☑  | ☑  | ☑  |
| P6003-D19,84R | 1                     | 19,84                | D                 | 4                    | 5       | ☑     | ☑  | ☑     | ☑  | ☑  | ☑  |
| P6003-D20,00R | 1                     | 20                   | E                 | 5                    | 5,5     | ☑     | ☑  | ☑     | ☑  | ☑  | ☑  |
| P6003-D20,20R | 1                     | 20,2                 | E                 | 5                    | 5,5     | ☑     | ☑  | ☑     | ☑  | ☑  | ☑  |
| P6003-D20,24R | 1                     | 20,24                | E                 | 5                    | 5,5     | ☑     | ☑  | ☑     | ☑  | ☑  | ☑  |
| P6003-D20,50R | 1                     | 20,5                 | E                 | 5                    | 5,5     | ☑     | ☑  | ☑     | ☑  | ☑  | ☑  |
| P6003-D20,62R | 1                     | 20,62                | E                 | 5                    | 5,5     | ☑     | ☑  | ☑     | ☑  | ☑  | ☑  |
| P6003-D20,70R | 1                     | 20,7                 | E                 | 5                    | 5,5     | ☑     | ☑  | ☑     | ☑  | ☑  | ☑  |
| P6003-D21,00R | 1                     | 21                   | E                 | 5                    | 5,5     | ☑     | ☑  | ☑     | ☑  | ☑  | ☑  |

Пример заказа: P60... -D13,00R доступны в геометрии

HC = твёрдый сплав с покрытием

P6006 из сплава WPP25 (ISO P, не легированные стали); P6006-D13,00R WPP25

P6003 из сплава WMP35 (ISO P, ISO M и ISO S); P6003-D13,00R WMP35 или в исполнении

P6001 из сплава WPP45C (ISO P); P6001-D13,00R WPP45C

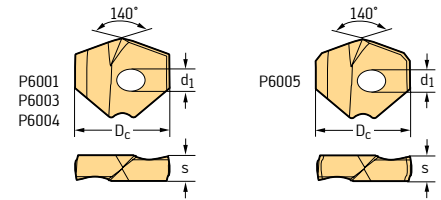
Пример заказа инструмента из сплава WPP45C: P6001-D12,00R WPP45C

**WALTER SELECT**

Оптимальная пластина для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹☹ условий обработки

# Пластины

## P6001 / P6003 / P6004 / P6005 / P6006



### Сменные пластины

| Обозначение   | Кол-во режущих кромок | Dc mm | Посадочный размер | d1 mm | s mm | P     |    | M     | K  | N  | S  |
|---------------|-----------------------|-------|-------------------|-------|------|-------|----|-------|----|----|----|
|               |                       |       |                   |       |      | WPP25 | HC | WMP35 | HC | HC | HC |
| P6003-D21,41R | 1                     | 21,41 | E                 | 5     | 5,5  | ☼     | ☼  | ☼     | ☼  | ☼  | ☼  |
| P6003-D21,50R | 1                     | 21,5  | E                 | 5     | 5,5  | ☼     | ☼  | ☼     | ☼  | ☼  | ☼  |
| P6003-D21,70R | 1                     | 21,7  | E                 | 5     | 5,5  | ☼     | ☼  | ☼     | ☼  | ☼  | ☼  |
| P6003-D21,83R | 1                     | 21,83 | E                 | 5     | 5,5  | ☼     | ☼  | ☼     | ☼  | ☼  | ☼  |
| P6003-D22,00R | 1                     | 22    | F                 | 5     | 6    | ☼     | ☼  | ☼     | ☼  | ☼  | ☼  |
| P6003-D22,22R | 1                     | 22,22 | F                 | 5     | 6    | ☼     | ☼  | ☼     | ☼  | ☼  | ☼  |
| P6003-D22,42R | 1                     | 22,42 | F                 | 5     | 6    | ☼     | ☼  | ☼     | ☼  | ☼  | ☼  |
| P6003-D22,47R | 1                     | 22,47 | F                 | 5     | 6    | ☼     | ☼  | ☼     | ☼  | ☼  | ☼  |
| P6003-D22,50R | 1                     | 22,5  | F                 | 5     | 6    | ☼     | ☼  | ☼     | ☼  | ☼  | ☼  |
| P6003-D22,62R | 1                     | 22,62 | F                 | 5     | 6    | ☼     | ☼  | ☼     | ☼  | ☼  | ☼  |
| P6003-D22,70R | 1                     | 22,7  | F                 | 5     | 6    | ☼     | ☼  | ☼     | ☼  | ☼  | ☼  |
| P6003-D22,77R | 1                     | 22,77 | F                 | 5     | 6    | ☼     | ☼  | ☼     | ☼  | ☼  | ☼  |
| P6003-D23,00R | 1                     | 23    | F                 | 5     | 6    | ☼     | ☼  | ☼     | ☼  | ☼  | ☼  |
| P6003-D23,39R | 1                     | 23,39 | F                 | 5     | 6    | ☼     | ☼  | ☼     | ☼  | ☼  | ☼  |
| P6003-D23,50R | 1                     | 23,5  | F                 | 5     | 6    | ☼     | ☼  | ☼     | ☼  | ☼  | ☼  |
| P6003-D23,70R | 1                     | 23,7  | F                 | 5     | 6    | ☼     | ☼  | ☼     | ☼  | ☼  | ☼  |
| P6003-D23,80R | 1                     | 23,8  | F                 | 5     | 6    | ☼     | ☼  | ☼     | ☼  | ☼  | ☼  |
| P6003-D24,00R | 1                     | 24    | G                 | 5     | 6,5  | ☼     | ☼  | ☼     | ☼  | ☼  | ☼  |
| P6003-D24,21R | 1                     | 24,21 | G                 | 5     | 6,5  | ☼     | ☼  | ☼     | ☼  | ☼  | ☼  |
| P6003-D24,50R | 1                     | 24,5  | G                 | 5     | 6,5  | ☼     | ☼  | ☼     | ☼  | ☼  | ☼  |
| P6003-D24,59R | 1                     | 24,59 | G                 | 5     | 6,5  | ☼     | ☼  | ☼     | ☼  | ☼  | ☼  |
| P6003-D24,70R | 1                     | 24,7  | G                 | 5     | 6,5  | ☼     | ☼  | ☼     | ☼  | ☼  | ☼  |
| P6003-D25,00R | 1                     | 25    | G                 | 5     | 6,5  | ☼     | ☼  | ☼     | ☼  | ☼  | ☼  |
| P6003-D25,25R | 1                     | 25,25 | G                 | 5     | 6,5  | ☼     | ☼  | ☼     | ☼  | ☼  | ☼  |
| P6003-D25,40R | 1                     | 25,4  | G                 | 5     | 6,5  | ☼     | ☼  | ☼     | ☼  | ☼  | ☼  |
| P6003-D25,50R | 1                     | 25,5  | G                 | 5     | 6,5  | ☼     | ☼  | ☼     | ☼  | ☼  | ☼  |
| P6003-D25,65R | 1                     | 25,65 | G                 | 5     | 6,5  | ☼     | ☼  | ☼     | ☼  | ☼  | ☼  |
| P6003-D25,70R | 1                     | 25,7  | G                 | 5     | 6,5  | ☼     | ☼  | ☼     | ☼  | ☼  | ☼  |
| P6003-D25,80R | 1                     | 25,8  | G                 | 5     | 6,5  | ☼     | ☼  | ☼     | ☼  | ☼  | ☼  |
| P6003-D26,00R | 1                     | 26    | H                 | 6     | 7,1  | ☼     | ☼  | ☼     | ☼  | ☼  | ☼  |
| P6003-D26,25R | 1                     | 26,25 | H                 | 6     | 7,1  | ☼     | ☼  | ☼     | ☼  | ☼  | ☼  |
| P6003-D26,50R | 1                     | 26,5  | H                 | 6     | 7,1  | ☼     | ☼  | ☼     | ☼  | ☼  | ☼  |
| P6003-D26,59R | 1                     | 26,59 | H                 | 6     | 7,1  | ☼     | ☼  | ☼     | ☼  | ☼  | ☼  |
| P6003-D27,00R | 1                     | 27    | H                 | 6     | 7,1  | ☼     | ☼  | ☼     | ☼  | ☼  | ☼  |
| P6003-D27,38R | 1                     | 27,38 | H                 | 6     | 7,1  | ☼     | ☼  | ☼     | ☼  | ☼  | ☼  |
| P6003-D27,50R | 1                     | 27,5  | H                 | 6     | 7,1  | ☼     | ☼  | ☼     | ☼  | ☼  | ☼  |
| P6003-D27,78R | 1                     | 27,78 | H                 | 6     | 7,1  | ☼     | ☼  | ☼     | ☼  | ☼  | ☼  |
| P6003-D28,00R | 1                     | 28    | J                 | 6     | 7,7  | ☼     | ☼  | ☼     | ☼  | ☼  | ☼  |
| P6003-D28,17R | 1                     | 28,17 | J                 | 6     | 7,7  | ☼     | ☼  | ☼     | ☼  | ☼  | ☼  |
| P6003-D28,50R | 1                     | 28,5  | J                 | 6     | 7,7  | ☼     | ☼  | ☼     | ☼  | ☼  | ☼  |
| P6003-D28,57R | 1                     | 28,57 | J                 | 6     | 7,7  | ☼     | ☼  | ☼     | ☼  | ☼  | ☼  |
| P6003-D29,00R | 1                     | 29    | J                 | 6     | 7,7  | ☼     | ☼  | ☼     | ☼  | ☼  | ☼  |
| P6003-D29,37R | 1                     | 29,37 | J                 | 6     | 7,7  | ☼     | ☼  | ☼     | ☼  | ☼  | ☼  |

Пример заказа: P60.. -D13,00R доступны в геометрии  
 P6006 из сплава WPP25 (ISO P, нелегированные стали): P6006-D13,00R WPP25  
 P6003 из сплава WMP35 (ISO P, ISO M и ISO S): P6003-D13,00R WMP35 или в исполнении  
 P6001 из сплава WPP45C (ISO P): P6001-D13,00R WPP45C  
 Пример заказа инструмента из сплава WPP45C: P6001-D12,00R WPP45C

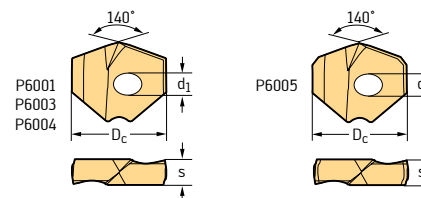
HC = твёрдый сплав с покрытием

**WALTER SELECT**      Оптимальная пластина для → хороших = ☼ → нормальных = ☼ → неблагоприятных = ☼ условий обработки

B1

## Пластины

## P6001 / P6003 / P6004 / P6005 / P6006



## Сменные пластины

B1

| Обозначение   | Кол-во режущих кромок | D <sub>c</sub><br>mm | Посадочный размер | d <sub>1</sub><br>mm | s<br>mm | P     |       | M      | K     | N      | S     |       |
|---------------|-----------------------|----------------------|-------------------|----------------------|---------|-------|-------|--------|-------|--------|-------|-------|
|               |                       |                      |                   |                      |         | HC    | HC    | HC     | HC    | HC     |       |       |
|               |                       |                      |                   |                      |         | WPP25 | WMP35 | WPP45C | WMP35 | WKK45C | WNN25 | WMP35 |
|               | P6003-D29,50R         | 1                    | 29,5              | J                    | 6       | 7,7   | ☒     | ☒      | ☒     | ☒      | ☒     | ☒     |
|               | P6003-D29,77R         | 1                    | 29,77             | J                    | 6       | 7,7   | ☒     | ☒      | ☒     | ☒      | ☒     | ☒     |
|               | P6003-D30,00R         | 1                    | 30                | K                    | 6       | 8     | ☒     | ☒      | ☒     | ☒      | ☒     | ☒     |
|               | P6003-D30,15R         | 1                    | 30,15             | K                    | 6       | 8     | ☒     | ☒      | ☒     | ☒      | ☒     | ☒     |
|               | P6003-D30,50R         | 1                    | 30,5              | K                    | 6       | 8     | ☒     | ☒      | ☒     | ☒      | ☒     | ☒     |
|               | P6003-D31,00R         | 1                    | 31                | K                    | 6       | 8     | ☒     | ☒      | ☒     | ☒      | ☒     | ☒     |
|               | P6003-D31,50R         | 1                    | 31,5              | K                    | 6       | 8     | ☒     | ☒      | ☒     | ☒      | ☒     | ☒     |
|               | P6003-D31,75R         | 1                    | 31,75             | K                    | 6       | 8     | ☒     | ☒      | ☒     | ☒      | ☒     | ☒     |
|               | P6003-D31,99R         | 1                    | 31,99             | K                    | 6       | 8     | ☒     | ☒      | ☒     | ☒      | ☒     | ☒     |
|               | P6003-D32,00R         | 1                    | 32                | M                    | 6       | 8,3   | ☒     | ☒      | ☒     | ☒      | ☒     | ☒     |
|               | P6003-D32,10R         | 1                    | 32,1              | M                    | 6       | 8,3   | ☒     | ☒      | ☒     | ☒      | ☒     | ☒     |
|               | P6003-D33,00R         | 1                    | 33                | M                    | 6       | 8,3   | ☒     | ☒      | ☒     | ☒      | ☒     | ☒     |
|               | P6003-D34,00R         | 1                    | 34                | N                    | 6       | 8,6   | ☒     | ☒      | ☒     | ☒      | ☒     | ☒     |
|               | P6003-D35,00R         | 1                    | 35                | N                    | 6       | 8,6   | ☒     | ☒      | ☒     | ☒      | ☒     | ☒     |
|               | P6003-D36,00R         | 1                    | 36                | P                    | 6       | 8,9   | ☒     | ☒      | ☒     | ☒      | ☒     | ☒     |
| P6003-D37,00R | 1                     | 37                   | P                 | 6                    | 8,9     | ☒     | ☒     | ☒      | ☒     | ☒      | ☒     |       |
| P6003-D37,99R | 1                     | 37,99                | P                 | 6                    | 8,9     | ☒     | ☒     | ☒      | ☒     | ☒      | ☒     |       |
|               | P6004-D12,00R         | 1                    | 12                | A                    | 3       | 3,6   |       |        |       | ☒      |       |       |
|               | P6004-D12,50R         | 1                    | 12,5              | A                    | 3       | 3,6   |       |        |       | ☒      |       |       |
|               | P6004-D13,00R         | 1                    | 13                | A                    | 3       | 3,6   |       |        |       | ☒      |       |       |
|               | P6004-D13,50R         | 1                    | 13,5              | A                    | 3       | 3,6   |       |        |       | ☒      |       |       |
|               | P6004-D14,00R         | 1                    | 14                | B                    | 3       | 4     |       |        |       | ☒      |       |       |
|               | P6004-D14,50R         | 1                    | 14,5              | B                    | 3       | 4     |       |        |       | ☒      |       |       |
|               | P6004-D14,80R         | 1                    | 14,8              | B                    | 3       | 4     |       |        |       | ☒      |       |       |
|               | P6004-D15,00R         | 1                    | 15                | B                    | 3       | 4     |       |        |       | ☒      |       |       |
|               | P6004-D15,50R         | 1                    | 15,5              | B                    | 3       | 4     |       |        |       | ☒      |       |       |
|               | P6004-D16,00R         | 1                    | 16                | C                    | 4       | 4,5   |       |        |       | ☒      |       |       |
|               | P6004-D16,50R         | 1                    | 16,5              | C                    | 4       | 4,5   |       |        |       | ☒      |       |       |
|               | P6004-D16,66R         | 1                    | 16,66             | C                    | 4       | 4,5   |       |        |       | ☒      |       |       |
|               | P6004-D17,00R         | 1                    | 17                | C                    | 4       | 4,5   |       |        |       | ☒      |       |       |
|               | P6004-D17,50R         | 1                    | 17,5              | C                    | 4       | 4,5   |       |        |       | ☒      |       |       |
|               | P6004-D17,70R         | 1                    | 17,7              | C                    | 4       | 4,5   |       |        |       | ☒      |       |       |
|               | P6004-D18,00R         | 1                    | 18                | D                    | 4       | 5     |       |        |       | ☒      |       |       |
|               | P6004-D18,50R         | 1                    | 18,5              | D                    | 4       | 5     |       |        |       | ☒      |       |       |
|               | P6004-D18,65R         | 1                    | 18,65             | D                    | 4       | 5     |       |        |       | ☒      |       |       |
|               | P6004-D19,00R         | 1                    | 19                | D                    | 4       | 5     |       |        |       | ☒      |       |       |
|               | P6004-D19,50R         | 1                    | 19,5              | D                    | 4       | 5     |       |        |       | ☒      |       |       |
|               | P6004-D19,70R         | 1                    | 19,7              | D                    | 4       | 5     |       |        |       | ☒      |       |       |
|               | P6004-D19,84R         | 1                    | 19,84             | D                    | 4       | 5     |       |        |       | ☒      |       |       |
|               | P6004-D20,00R         | 1                    | 20                | E                    | 5       | 5,5   |       |        |       | ☒      |       |       |
|               | P6004-D20,50R         | 1                    | 20,5              | E                    | 5       | 5,5   |       |        |       | ☒      |       |       |
| P6004-D21,00R | 1                     | 21                   | E                 | 5                    | 5,5     |       |       |        | ☒     |        |       |       |
| P6004-D21,50R | 1                     | 21,5                 | E                 | 5                    | 5,5     |       |       |        | ☒     |        |       |       |

Пример заказа: P60...-D13,00R доступны в геометрии

P6006 из сплава WPP25 (ISO P, нелегированные стали); P6006-D13,00R WPP25

P6003 из сплава WMP35 (ISO P, ISO M и ISO S); P6003-D13,00R WMP35 или в исполнении

P6001 из сплава WPP45C (ISO P); P6001-D13,00R WPP45C

Пример заказа инструмента из сплава WPP45C: P6001-D12,00R WPP45C

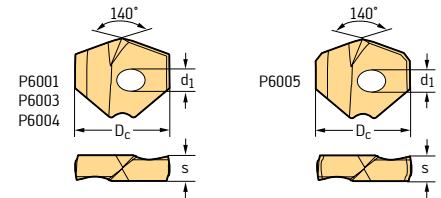
HC = твёрдый сплав с покрытием

WALTER SELECT

Оптимальная пластина для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки

# Пластины

## P6001 / P6003 / P6004 / P6005 / P6006



### Сменные пластины

| Обозначение   | Кол-во режущих кромок | Dc mm | Посадочный размер | d1 mm | s mm | P     |       |        | M  | K  | N  | S  |
|---------------|-----------------------|-------|-------------------|-------|------|-------|-------|--------|----|----|----|----|
|               |                       |       |                   |       |      | WPP25 | WMP35 | WPP45C | HC | HC | HC | HC |
| P6004-D21,70R | 1                     | 21,7  | E                 | 5     | 5,5  |       |       |        |    |    |    |    |
| P6004-D22,00R | 1                     | 22    | F                 | 5     | 6    |       |       |        |    |    |    |    |
| P6004-D22,50R | 1                     | 22,5  | F                 | 5     | 6    |       |       |        |    |    |    |    |
| P6004-D23,00R | 1                     | 23    | F                 | 5     | 6    |       |       |        |    |    |    |    |
| P6004-D23,50R | 1                     | 23,5  | F                 | 5     | 6    |       |       |        |    |    |    |    |
| P6004-D24,00R | 1                     | 24    | G                 | 5     | 6,5  |       |       |        |    |    |    |    |
| P6004-D24,50R | 1                     | 24,5  | G                 | 5     | 6,5  |       |       |        |    |    |    |    |
| P6004-D25,00R | 1                     | 25    | G                 | 5     | 6,5  |       |       |        |    |    |    |    |
| P6004-D25,50R | 1                     | 25,5  | G                 | 5     | 6,5  |       |       |        |    |    |    |    |
| P6004-D26,00R | 1                     | 26    | H                 | 6     | 7,1  |       |       |        |    |    |    |    |
| P6004-D26,50R | 1                     | 26,5  | H                 | 6     | 7,1  |       |       |        |    |    |    |    |
| P6004-D27,00R | 1                     | 27    | H                 | 6     | 7,1  |       |       |        |    |    |    |    |
| P6004-D27,50R | 1                     | 27,5  | H                 | 6     | 7,1  |       |       |        |    |    |    |    |
| P6004-D28,00R | 1                     | 28    | J                 | 6     | 7,7  |       |       |        |    |    |    |    |
| P6004-D28,50R | 1                     | 28,5  | J                 | 6     | 7,7  |       |       |        |    |    |    |    |
| P6004-D29,00R | 1                     | 29    | J                 | 6     | 7,7  |       |       |        |    |    |    |    |
| P6004-D29,50R | 1                     | 29,5  | J                 | 6     | 7,7  |       |       |        |    |    |    |    |
| P6004-D30,00R | 1                     | 30    | K                 | 6     | 8    |       |       |        |    |    |    |    |
| P6004-D30,50R | 1                     | 30,5  | K                 | 6     | 8    |       |       |        |    |    |    |    |
| P6004-D31,00R | 1                     | 31    | K                 | 6     | 8    |       |       |        |    |    |    |    |
| P6004-D31,50R | 1                     | 31,5  | K                 | 6     | 8    |       |       |        |    |    |    |    |
| P6005-D12,00R | 1                     | 12    | A                 | 3     | 3,6  |       |       |        |    |    |    |    |
| P6005-D12,10R | 1                     | 12,1  | A                 | 3     | 3,6  |       |       |        |    |    |    |    |
| P6005-D12,20R | 1                     | 12,2  | A                 | 3     | 3,6  |       |       |        |    |    |    |    |
| P6005-D12,30R | 1                     | 12,3  | A                 | 3     | 3,6  |       |       |        |    |    |    |    |
| P6005-D12,40R | 1                     | 12,4  | A                 | 3     | 3,6  |       |       |        |    |    |    |    |
| P6005-D12,50R | 1                     | 12,5  | A                 | 3     | 3,6  |       |       |        |    |    |    |    |
| P6005-D12,60R | 1                     | 12,6  | A                 | 3     | 3,6  |       |       |        |    |    |    |    |
| P6005-D12,70R | 1                     | 12,7  | A                 | 3     | 3,6  |       |       |        |    |    |    |    |
| P6005-D12,80R | 1                     | 12,8  | A                 | 3     | 3,6  |       |       |        |    |    |    |    |
| P6005-D12,90R | 1                     | 12,9  | A                 | 3     | 3,6  |       |       |        |    |    |    |    |
| P6005-D12,95R | 1                     | 12,95 | A                 | 3     | 3,6  |       |       |        |    |    |    |    |
| P6005-D13,00R | 1                     | 13    | A                 | 3     | 3,6  |       |       |        |    |    |    |    |
| P6005-D13,10R | 1                     | 13,1  | A                 | 3     | 3,6  |       |       |        |    |    |    |    |
| P6005-D13,20R | 1                     | 13,2  | A                 | 3     | 3,6  |       |       |        |    |    |    |    |
| P6005-D13,25R | 1                     | 13,25 | A                 | 3     | 3,6  |       |       |        |    |    |    |    |
| P6005-D13,30R | 1                     | 13,3  | A                 | 3     | 3,6  |       |       |        |    |    |    |    |
| P6005-D13,40R | 1                     | 13,4  | A                 | 3     | 3,6  |       |       |        |    |    |    |    |
| P6005-D13,49R | 1                     | 13,49 | A                 | 3     | 3,6  |       |       |        |    |    |    |    |
| P6005-D13,50R | 1                     | 13,5  | A                 | 3     | 3,6  |       |       |        |    |    |    |    |
| P6005-D13,60R | 1                     | 13,6  | A                 | 3     | 3,6  |       |       |        |    |    |    |    |
| P6005-D13,70R | 1                     | 13,7  | A                 | 3     | 3,6  |       |       |        |    |    |    |    |
| P6005-D13,80R | 1                     | 13,8  | A                 | 3     | 3,6  |       |       |        |    |    |    |    |

Пример заказа: P60.. -D13,00R доступны в геометрии  
 P6006 из сплава WPP25 (ISO P, нелегированные стали); P6006-D13,00R WPP25  
 P6003 из сплава WMP35 (ISO P, ISO M и ISO S); P6003-D13,00R WMP35 или в исполнении  
 P6001 из сплава WPP45C (ISO P); P6001-D13,00R WPP45C  
 Пример заказа инструмента из сплава WPP45C: P6001-D12,00R WPP45C

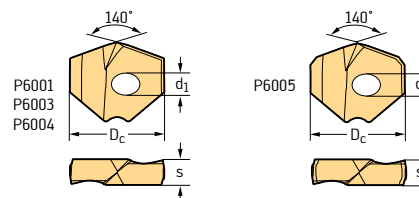
HC = твёрдый сплав с покрытием

**WALTER SELECT**      Оптимальная пластина для → хороших = ☺ → нормальных = 😐 → неблагоприятных = ☹️ условий обработки

B1

## Пластины

## P6001 / P6003 / P6004 / P6005 / P6006



## Сменные пластины

B1

| Обозначение   | Кол-во режущих кромок | D <sub>c</sub><br>mm | Посадочный размер | d <sub>1</sub><br>mm | s<br>mm | P     |       | M      | K     | N      | S    |       |
|---------------|-----------------------|----------------------|-------------------|----------------------|---------|-------|-------|--------|-------|--------|------|-------|
|               |                       |                      |                   |                      |         | HC    | HC    | HC     | HC    | HC     | HC   |       |
|               |                       |                      |                   |                      |         | WPP25 | WMP35 | WPP45C | WMP35 | WKK45C | WN25 | WMP35 |
| P6005-D13,90R | 1                     | 13,9                 | A                 | 3                    | 3,6     |       |       |        | ☒     |        |      |       |
| P6005-D14,00R | 1                     | 14                   | B                 | 3                    | 4       |       |       |        | ☒     |        |      |       |
| P6005-D14,10R | 1                     | 14,1                 | B                 | 3                    | 4       |       |       |        | ☒     |        |      |       |
| P6005-D14,20R | 1                     | 14,2                 | B                 | 3                    | 4       |       |       |        | ☒     |        |      |       |
| P6005-D14,29R | 1                     | 14,29                | B                 | 3                    | 4       |       |       |        | ☒     |        |      |       |
| P6005-D14,30R | 1                     | 14,3                 | B                 | 3                    | 4       |       |       |        | ☒     |        |      |       |
| P6005-D14,40R | 1                     | 14,4                 | B                 | 3                    | 4       |       |       |        | ☒     |        |      |       |
| P6005-D14,50R | 1                     | 14,5                 | B                 | 3                    | 4       |       |       |        | ☒     |        |      |       |
| P6005-D14,60R | 1                     | 14,6                 | B                 | 3                    | 4       |       |       |        | ☒     |        |      |       |
| P6005-D14,68R | 1                     | 14,68                | B                 | 3                    | 4       |       |       |        | ☒     |        |      |       |
| P6005-D14,70R | 1                     | 14,7                 | B                 | 3                    | 4       |       |       |        | ☒     |        |      |       |
| P6005-D14,80R | 1                     | 14,8                 | B                 | 3                    | 4       |       |       |        | ☒     |        |      |       |
| P6005-D14,90R | 1                     | 14,9                 | B                 | 3                    | 4       |       |       |        | ☒     |        |      |       |
| P6005-D15,00R | 1                     | 15                   | B                 | 3                    | 4       |       |       |        | ☒     |        |      |       |
| P6005-D15,08R | 1                     | 15,08                | B                 | 3                    | 4       |       |       |        | ☒     |        |      |       |
| P6005-D15,09R | 1                     | 15,09                | B                 | 3                    | 4       |       |       |        | ☒     |        |      |       |
| P6005-D15,10R | 1                     | 15,1                 | B                 | 3                    | 4       |       |       |        | ☒     |        |      |       |
| P6005-D15,20R | 1                     | 15,2                 | B                 | 3                    | 4       |       |       |        | ☒     |        |      |       |
| P6005-D15,30R | 1                     | 15,3                 | B                 | 3                    | 4       |       |       |        | ☒     |        |      |       |
| P6005-D15,40R | 1                     | 15,4                 | B                 | 3                    | 4       |       |       |        | ☒     |        |      |       |
| P6005-D15,50R | 1                     | 15,5                 | B                 | 3                    | 4       |       |       |        | ☒     |        |      |       |
| P6005-D15,60R | 1                     | 15,6                 | B                 | 3                    | 4       |       |       |        | ☒     |        |      |       |
| P6005-D15,70R | 1                     | 15,7                 | B                 | 3                    | 4       |       |       |        | ☒     |        |      |       |
| P6005-D15,80R | 1                     | 15,8                 | B                 | 3                    | 4       |       |       |        | ☒     |        |      |       |
| P6005-D15,88R | 1                     | 15,88                | B                 | 3                    | 4       |       |       |        | ☒     |        |      |       |
| P6005-D15,90R | 1                     | 15,9                 | B                 | 3                    | 4       |       |       |        | ☒     |        |      |       |
| P6005-D16,00R | 1                     | 16                   | C                 | 4                    | 4,5     |       |       |        | ☒     |        |      |       |
| P6005-D16,13R | 1                     | 16,13                | C                 | 4                    | 4,5     |       |       |        | ☒     |        |      |       |
| P6005-D16,26R | 1                     | 16,26                | C                 | 4                    | 4,5     |       |       |        | ☒     |        |      |       |
| P6005-D16,27R | 1                     | 16,27                | C                 | 4                    | 4,5     |       |       |        | ☒     |        |      |       |
| P6005-D16,43R | 1                     | 16,43                | C                 | 4                    | 4,5     |       |       |        | ☒     |        |      |       |
| P6005-D16,50R | 1                     | 16,5                 | C                 | 4                    | 4,5     |       |       |        | ☒     |        |      |       |
| P6005-D16,66R | 1                     | 16,66                | C                 | 4                    | 4,5     |       |       |        | ☒     |        |      |       |
| P6005-D16,67R | 1                     | 16,67                | C                 | 4                    | 4,5     |       |       |        | ☒     |        |      |       |
| P6005-D16,70R | 1                     | 16,7                 | C                 | 4                    | 4,5     |       |       |        | ☒     |        |      |       |
| P6005-D16,80R | 1                     | 16,8                 | C                 | 4                    | 4,5     |       |       |        | ☒     |        |      |       |
| P6005-D17,00R | 1                     | 17                   | C                 | 4                    | 4,5     |       |       |        | ☒     |        |      |       |
| P6005-D17,07R | 1                     | 17,07                | C                 | 4                    | 4,5     |       |       |        | ☒     |        |      |       |
| P6005-D17,20R | 1                     | 17,2                 | C                 | 4                    | 4,5     |       |       |        | ☒     |        |      |       |
| P6005-D17,45R | 1                     | 17,45                | C                 | 4                    | 4,5     |       |       |        | ☒     |        |      |       |
| P6005-D17,50R | 1                     | 17,5                 | C                 | 4                    | 4,5     |       |       |        | ☒     |        |      |       |
| P6005-D17,70R | 1                     | 17,7                 | C                 | 4                    | 4,5     |       |       |        | ☒     |        |      |       |
| P6005-D17,80R | 1                     | 17,8                 | C                 | 4                    | 4,5     |       |       |        | ☒     |        |      |       |

Пример заказа: P60.. -D13,00R доступны в геометрии

P6006 из сплава WPP25 (ISO P, не легированные стали); P6006-D13,00R WPP25

P6003 из сплава WMP35 (ISO P, ISO M и ISO S); P6003-D13,00R WMP35 или в исполнении

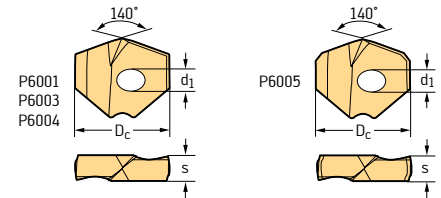
P6001 из сплава WPP45C (ISO P); P6001-D13,00R WPP45C

Пример заказа инструмента из сплава WPP45C: P6001-D12,00R WPP45C

HC = твёрдый сплав с покрытием

# Пластины

## P6001 / P6003 / P6004 / P6005 / P6006



### Сменные пластины

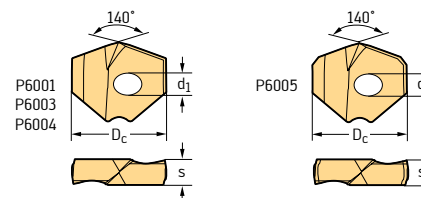
| Обозначение   | Кол-во режущих кромок | D <sub>c</sub> mm | Посадочный размер | d <sub>1</sub> mm | s mm | P     |       | M      | K     | N      | S    |       |
|---------------|-----------------------|-------------------|-------------------|-------------------|------|-------|-------|--------|-------|--------|------|-------|
|               |                       |                   |                   |                   |      | HC    | HC    | HC     | HC    | HC     | HC   |       |
|               |                       |                   |                   |                   |      | WPP25 | WMP35 | WPP45C | WMP35 | WKK45C | WN25 | WMP35 |
| P6005-D17,86R | 1                     | 17,86             | C                 | 4                 | 4,5  |       |       |        | ☼     |        |      |       |
| P6005-D18,00R | 1                     | 18                | D                 | 4                 | 5    |       |       |        | ☼     |        |      |       |
| P6005-D18,24R | 1                     | 18,24             | D                 | 4                 | 5    |       |       |        | ☼     |        |      |       |
| P6005-D18,26R | 1                     | 18,26             | D                 | 4                 | 5    |       |       |        | ☼     |        |      |       |
| P6005-D18,50R | 1                     | 18,5              | D                 | 4                 | 5    |       |       |        | ☼     |        |      |       |
| P6005-D18,65R | 1                     | 18,65             | D                 | 4                 | 5    |       |       |        | ☼     |        |      |       |
| P6005-D18,70R | 1                     | 18,7              | D                 | 4                 | 5    |       |       |        | ☼     |        |      |       |
| P6005-D18,80R | 1                     | 18,8              | D                 | 4                 | 5    |       |       |        | ☼     |        |      |       |
| P6005-D19,00R | 1                     | 19                | D                 | 4                 | 5    |       |       |        | ☼     |        |      |       |
| P6005-D19,05R | 1                     | 19,05             | D                 | 4                 | 5    |       |       |        | ☼     |        |      |       |
| P6005-D19,20R | 1                     | 19,2              | D                 | 4                 | 5    |       |       |        | ☼     |        |      |       |
| P6005-D19,25R | 1                     | 19,25             | D                 | 4                 | 5    |       |       |        | ☼     |        |      |       |
| P6005-D19,30R | 1                     | 19,3              | D                 | 4                 | 5    |       |       |        | ☼     |        |      |       |
| P6005-D19,35R | 1                     | 19,35             | D                 | 4                 | 5    |       |       |        | ☼     |        |      |       |
| P6005-D19,43R | 1                     | 19,43             | D                 | 4                 | 5    |       |       |        | ☼     |        |      |       |
| P6005-D19,50R | 1                     | 19,5              | D                 | 4                 | 5    |       |       |        | ☼     |        |      |       |
| P6005-D19,60R | 1                     | 19,6              | D                 | 4                 | 5    |       |       |        | ☼     |        |      |       |
| P6005-D19,70R | 1                     | 19,7              | D                 | 4                 | 5    |       |       |        | ☼     |        |      |       |
| P6005-D19,80R | 1                     | 19,8              | D                 | 4                 | 5    |       |       |        | ☼     |        |      |       |
| P6005-D19,84R | 1                     | 19,84             | D                 | 4                 | 5    |       |       |        | ☼     |        |      |       |
| P6005-D20,00R | 1                     | 20                | E                 | 5                 | 5,5  |       |       |        | ☼     |        |      |       |
| P6005-D20,20R | 1                     | 20,2              | E                 | 5                 | 5,5  |       |       |        | ☼     |        |      |       |
| P6005-D20,24R | 1                     | 20,24             | E                 | 5                 | 5,5  |       |       |        | ☼     |        |      |       |
| P6005-D20,50R | 1                     | 20,5              | E                 | 5                 | 5,5  |       |       |        | ☼     |        |      |       |
| P6005-D20,62R | 1                     | 20,62             | E                 | 5                 | 5,5  |       |       |        | ☼     |        |      |       |
| P6005-D20,70R | 1                     | 20,7              | E                 | 5                 | 5,5  |       |       |        | ☼     |        |      |       |
| P6005-D21,00R | 1                     | 21                | E                 | 5                 | 5,5  |       |       |        | ☼     |        |      |       |
| P6005-D21,12R | 1                     | 21,12             | E                 | 5                 | 5,5  |       |       |        | ☼     |        |      |       |
| P6005-D21,41R | 1                     | 21,41             | E                 | 5                 | 5,5  |       |       |        | ☼     |        |      |       |
| P6005-D21,43R | 1                     | 21,43             | E                 | 5                 | 5,5  |       |       |        | ☼     |        |      |       |
| P6005-D21,50R | 1                     | 21,5              | E                 | 5                 | 5,5  |       |       |        | ☼     |        |      |       |
| P6005-D21,70R | 1                     | 21,7              | E                 | 5                 | 5,5  |       |       |        | ☼     |        |      |       |
| P6005-D21,83R | 1                     | 21,83             | E                 | 5                 | 5,5  |       |       |        | ☼     |        |      |       |
| P6005-D22,00R | 1                     | 22                | F                 | 5                 | 6    |       |       |        | ☼     |        |      |       |
| P6005-D22,22R | 1                     | 22,22             | F                 | 5                 | 6    |       |       |        | ☼     |        |      |       |
| P6005-D22,23R | 1                     | 22,23             | F                 | 5                 | 6    |       |       |        | ☼     |        |      |       |
| P6005-D22,42R | 1                     | 22,42             | F                 | 5                 | 6    |       |       |        | ☼     |        |      |       |
| P6005-D22,50R | 1                     | 22,5              | F                 | 5                 | 6    |       |       |        | ☼     |        |      |       |
| P6005-D22,70R | 1                     | 22,7              | F                 | 5                 | 6    |       |       |        | ☼     |        |      |       |
| P6005-D22,77R | 1                     | 22,77             | F                 | 5                 | 6    |       |       |        | ☼     |        |      |       |
| P6005-D23,00R | 1                     | 23                | F                 | 5                 | 6    |       |       |        | ☼     |        |      |       |
| P6005-D23,02R | 1                     | 23,02             | F                 | 5                 | 6    |       |       |        | ☼     |        |      |       |
| P6005-D23,39R | 1                     | 23,39             | F                 | 5                 | 6    |       |       |        | ☼     |        |      |       |

Пример заказа: P60.. -D13,00R доступны в геометрии  
 P6006 из сплава WPP25 (ISO P, нелегированные стали); P6006-D13,00R WPP25  
 P6003 из сплава WMP35 (ISO P, ISO M и ISO S); P6003-D13,00R WMP35 или в исполнении  
 P6001 из сплава WPP45C (ISO P); P6001-D13,00R WPP45C  
 Пример заказа инструмента из сплава WPP45C: P6001-D12,00R WPP45C

HC = твёрдый сплав с покрытием

## Пластины

## P6001 / P6003 / P6004 / P6005 / P6006



## Сменные пластины

B1

| Обозначение   | Кол-во режущих кромок | D <sub>c</sub> mm | Посадочный размер | d <sub>1</sub> mm | s mm | P     |       |        | M  | K  | N  | S  |
|---------------|-----------------------|-------------------|-------------------|-------------------|------|-------|-------|--------|----|----|----|----|
|               |                       |                   |                   |                   |      | WPP25 | WMP35 | WPP45C | HC | HC | HC | HC |
| P6005-D23,50R | 1                     | 23,5              | F                 | 5                 | 6    |       |       |        |    | ⊗  |    |    |
| P6005-D23,70R | 1                     | 23,7              | F                 | 5                 | 6    |       |       |        |    | ⊗  |    |    |
| P6005-D23,80R | 1                     | 23,8              | F                 | 5                 | 6    |       |       |        |    | ⊗  |    |    |
| P6005-D23,81R | 1                     | 23,81             | F                 | 5                 | 6    |       |       |        |    | ⊗  |    |    |
| P6005-D24,00R | 1                     | 24                | G                 | 5                 | 6,5  |       |       |        |    | ⊗  |    |    |
| P6005-D24,21R | 1                     | 24,21             | G                 | 5                 | 6,5  |       |       |        |    | ⊗  |    |    |
| P6005-D24,50R | 1                     | 24,5              | G                 | 5                 | 6,5  |       |       |        |    | ⊗  |    |    |
| P6005-D24,59R | 1                     | 24,59             | G                 | 5                 | 6,5  |       |       |        |    | ⊗  |    |    |
| P6005-D24,61R | 1                     | 24,61             | G                 | 5                 | 6,5  |       |       |        |    | ⊗  |    |    |
| P6005-D24,70R | 1                     | 24,7              | G                 | 5                 | 6,5  |       |       |        |    | ⊗  |    |    |
| P6005-D25,00R | 1                     | 25                | G                 | 5                 | 6,5  |       |       |        |    | ⊗  |    |    |
| P6005-D25,25R | 1                     | 25,25             | G                 | 5                 | 6,5  |       |       |        |    | ⊗  |    |    |
| P6005-D25,40R | 1                     | 25,4              | G                 | 5                 | 6,5  |       |       |        |    | ⊗  |    |    |
| P6005-D25,50R | 1                     | 25,5              | G                 | 5                 | 6,5  |       |       |        |    | ⊗  |    |    |
| P6005-D25,70R | 1                     | 25,7              | G                 | 5                 | 6,5  |       |       |        |    | ⊗  |    |    |
| P6005-D25,80R | 1                     | 25,8              | G                 | 5                 | 6,5  |       |       |        |    | ⊗  |    |    |
| P6005-D26,00R | 1                     | 26                | H                 | 6                 | 7,1  |       |       |        |    | ⊗  |    |    |
| P6005-D26,25R | 1                     | 26,25             | H                 | 6                 | 7,1  |       |       |        |    | ⊗  |    |    |
| P6005-D26,50R | 1                     | 26,5              | H                 | 6                 | 7,1  |       |       |        |    | ⊗  |    |    |
| P6005-D26,59R | 1                     | 26,59             | H                 | 6                 | 7,1  |       |       |        |    | ⊗  |    |    |
| P6005-D27,00R | 1                     | 27                | H                 | 6                 | 7,1  |       |       |        |    | ⊗  |    |    |
| P6005-D27,50R | 1                     | 27,5              | H                 | 6                 | 7,1  |       |       |        |    | ⊗  |    |    |
| P6005-D27,78R | 1                     | 27,78             | H                 | 6                 | 7,1  |       |       |        |    | ⊗  |    |    |
| P6005-D28,00R | 1                     | 28                | J                 | 6                 | 7,7  |       |       |        |    | ⊗  |    |    |
| P6005-D28,17R | 1                     | 28,17             | J                 | 6                 | 7,7  |       |       |        |    | ⊗  |    |    |
| P6005-D28,50R | 1                     | 28,5              | J                 | 6                 | 7,7  |       |       |        |    | ⊗  |    |    |
| P6005-D28,57R | 1                     | 28,57             | J                 | 6                 | 7,7  |       |       |        |    | ⊗  |    |    |
| P6005-D29,00R | 1                     | 29                | J                 | 6                 | 7,7  |       |       |        |    | ⊗  |    |    |
| P6005-D29,50R | 1                     | 29,5              | J                 | 6                 | 7,7  |       |       |        |    | ⊗  |    |    |
| P6005-D29,77R | 1                     | 29,77             | J                 | 6                 | 7,7  |       |       |        |    | ⊗  |    |    |
| P6005-D30,00R | 1                     | 30                | K                 | 6                 | 8    |       |       |        |    | ⊗  |    |    |
| P6005-D30,15R | 1                     | 30,15             | K                 | 6                 | 8    |       |       |        |    | ⊗  |    |    |
| P6005-D30,50R | 1                     | 30,5              | K                 | 6                 | 8    |       |       |        |    | ⊗  |    |    |
| P6005-D31,00R | 1                     | 31                | K                 | 6                 | 8    |       |       |        |    | ⊗  |    |    |
| P6005-D31,50R | 1                     | 31,5              | K                 | 6                 | 8    |       |       |        |    | ⊗  |    |    |
| P6005-D31,75R | 1                     | 31,75             | K                 | 6                 | 8    |       |       |        |    | ⊗  |    |    |
| P6005-D31,99R | 1                     | 31,99             | K                 | 6                 | 8    |       |       |        |    | ⊗  |    |    |
| P6005-D32,00R | 1                     | 32                | M                 | 6                 | 8,3  |       |       |        |    | ⊗  |    |    |
| P6005-D32,10R | 1                     | 32,1              | M                 | 6                 | 8,3  |       |       |        |    | ⊗  |    |    |
| P6005-D33,00R | 1                     | 33                | M                 | 6                 | 8,3  |       |       |        |    | ⊗  |    |    |
| P6005-D34,00R | 1                     | 34                | N                 | 6                 | 8,6  |       |       |        |    | ⊗  |    |    |
| P6005-D35,00R | 1                     | 35                | N                 | 6                 | 8,6  |       |       |        |    | ⊗  |    |    |
| P6005-D36,00R | 1                     | 36                | P                 | 6                 | 8,9  |       |       |        |    | ⊗  |    |    |

Пример заказа: P60.. -D13,00R доступны в геометрии

P6006 из сплава WPP25 (ISO P, не легированные стали); P6006-D13,00R WPP25

P6003 из сплава WMP35 (ISO P, ISO M и ISO S); P6003-D13,00R WMP35 или в исполнении

P6001 из сплава WPP45C (ISO P); P6001-D13,00R WPP45C

Пример заказа инструмента из сплава WPP45C: P6001-D12,00R WPP45C

HC = твёрдый сплав с покрытием

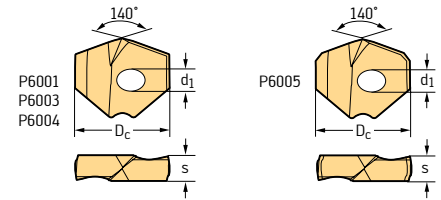
WALTER SELECT

Оптимальная пластина для → хороших = ☺ → нормальных = 😐 → неблагоприятных = ☹️ условий обработки




# Пластины

## P6001 / P6003 / P6004 / P6005 / P6006



### Сменные пластины

| Обозначение   | Кол-во режущих кромок | D <sub>c</sub> mm | Посадочный размер | d <sub>1</sub> mm | s mm | P     |       | M  | K  | N  | S  |
|---|-----------------------|-------------------|-------------------|-------------------|------|-------|-------|----|----|----|----|
|   |                       |                   |                   |                   |      | WPP25 | WMP35 | HC | HC | HC | HC |
| <br>P6005-D37,00R<br>P6005-D37,99R | 1                     | 37                | P                 | 6                 | 8,9  |       |       |    |    |    |    |
|   | 1                     | 37,99             | P                 | 6                 | 8,9  |       |       |    |    |    |    |

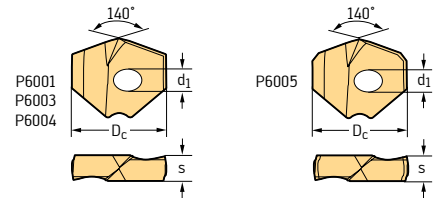
Пример заказа: P60...-D13,00R доступны в геометрии  
 P6006 из сплава WPP25 (ISO P, нелегированные стали); P6006-D13,00R WPP25  
 P6003 из сплава WMP35 (ISO P, ISO M и ISO S); P6003-D13,00R WMP35 или в исполнении  
 P6001 из сплава WPP45C (ISO P); P6001-D13,00R WPP45C  
 Пример заказа инструмента из сплава WPP45C: P6001-D12,00R WPP45C

HC = твёрдый сплав с покрытием

B1

## Пластины

P6001 / P6003 / P6004 / P6005 / P6006



## Сменные пластины

B1

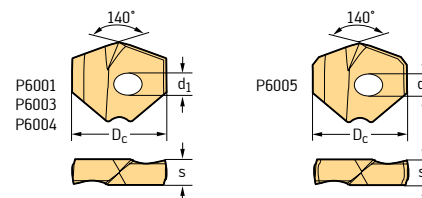
| Обозначение   | Кол-во режущих кромок | D <sub>c</sub><br>mm | Посадочный размер | d <sub>1</sub><br>mm | s<br>mm | P     |       | M      | K     | N      | S     |       |
|---------------|-----------------------|----------------------|-------------------|----------------------|---------|-------|-------|--------|-------|--------|-------|-------|
|               |                       |                      |                   |                      |         | HC    | HC    | HC     | HC    | HC     |       |       |
|               |                       |                      |                   |                      |         | WPP25 | WMP35 | WPP45C | WMP35 | WKK45C | WNN25 | WMP35 |
| P6006-D12,00R | 1                     | 12                   | A                 | 3,4                  | 3,6     | ☺     |       |        |       |        |       |       |
| P6006-D12,10R | 1                     | 12,1                 | A                 | 3,4                  | 3,6     | ☺     |       |        |       |        |       |       |
| P6006-D12,20R | 1                     | 12,2                 | A                 | 3,4                  | 3,6     | ☺     |       |        |       |        |       |       |
| P6006-D12,30R | 1                     | 12,3                 | A                 | 3,4                  | 3,6     | ☺     |       |        |       |        |       |       |
| P6006-D12,40R | 1                     | 12,4                 | A                 | 3,4                  | 3,6     | ☺     |       |        |       |        |       |       |
| P6006-D12,50R | 1                     | 12,5                 | A                 | 3,4                  | 3,6     | ☺     |       |        |       |        |       |       |
| P6006-D12,60R | 1                     | 12,6                 | A                 | 3,4                  | 3,6     | ☺     |       |        |       |        |       |       |
| P6006-D12,70R | 1                     | 12,7                 | A                 | 3,4                  | 3,6     | ☺     |       |        |       |        |       |       |
| P6006-D12,80R | 1                     | 12,8                 | A                 | 3,4                  | 3,6     | ☺     |       |        |       |        |       |       |
| P6006-D12,90R | 1                     | 12,9                 | A                 | 3,4                  | 3,6     | ☺     |       |        |       |        |       |       |
| P6006-D12,95R | 1                     | 12,95                | A                 | 3,4                  | 3,6     | ☺     |       |        |       |        |       |       |
| P6006-D13,00R | 1                     | 13                   | A                 | 3,4                  | 3,6     | ☺     |       |        |       |        |       |       |
| P6006-D13,11R | 1                     | 13,11                | A                 | 3,4                  | 3,6     | ☺     |       |        |       |        |       |       |
| P6006-D13,20R | 1                     | 13,2                 | A                 | 3,4                  | 3,6     | ☺     |       |        |       |        |       |       |
| P6006-D13,25R | 1                     | 13,25                | A                 | 3,4                  | 3,6     | ☺     |       |        |       |        |       |       |
| P6006-D13,30R | 1                     | 13,3                 | A                 | 3,4                  | 3,6     | ☺     |       |        |       |        |       |       |
| P6006-D13,35R | 1                     | 13,35                | A                 | 3,4                  | 3,6     | ☺     |       |        |       |        |       |       |
| P6006-D13,40R | 1                     | 13,4                 | A                 | 3,4                  | 3,6     | ☺     |       |        |       |        |       |       |
| P6006-D13,45R | 1                     | 13,45                | A                 | 3,4                  | 3,6     | ☺     |       |        |       |        |       |       |
| P6006-D13,50R | 1                     | 13,5                 | A                 | 3,4                  | 3,6     | ☺     |       |        |       |        |       |       |
| P6006-D13,60R | 1                     | 13,6                 | A                 | 3,4                  | 3,6     | ☺     |       |        |       |        |       |       |
| P6006-D13,70R | 1                     | 13,7                 | A                 | 3,4                  | 3,6     | ☺     |       |        |       |        |       |       |
| P6006-D13,80R | 1                     | 13,8                 | A                 | 3,4                  | 3,6     | ☺     |       |        |       |        |       |       |
| P6006-D13,89R | 1                     | 13,89                | A                 | 3,4                  | 3,6     | ☺     |       |        |       |        |       |       |
| P6006-D14,00R | 1                     | 14                   | B                 | 3,4                  | 4       | ☺     |       |        |       |        |       |       |
| P6006-D14,10R | 1                     | 14,1                 | B                 | 3,4                  | 4       | ☺     |       |        |       |        |       |       |
| P6006-D14,20R | 1                     | 14,2                 | B                 | 3,4                  | 4       | ☺     |       |        |       |        |       |       |
| P6006-D14,30R | 1                     | 14,3                 | B                 | 3,4                  | 4       | ☺     |       |        |       |        |       |       |
| P6006-D14,40R | 1                     | 14,4                 | B                 | 3,4                  | 4       | ☺     |       |        |       |        |       |       |
| P6006-D14,50R | 1                     | 14,5                 | B                 | 3,4                  | 4       | ☺     |       |        |       |        |       |       |
| P6006-D14,60R | 1                     | 14,6                 | B                 | 3,4                  | 4       | ☺     |       |        |       |        |       |       |
| P6006-D14,68R | 1                     | 14,68                | B                 | 3,4                  | 4       | ☺     |       |        |       |        |       |       |
| P6006-D14,80R | 1                     | 14,8                 | B                 | 3,4                  | 4       | ☺     |       |        |       |        |       |       |
| P6006-D14,90R | 1                     | 14,9                 | B                 | 3,4                  | 4       | ☺     |       |        |       |        |       |       |
| P6006-D15,00R | 1                     | 15                   | B                 | 3,4                  | 4       | ☺     |       |        |       |        |       |       |
| P6006-D15,09R | 1                     | 15,09                | B                 | 3,4                  | 4       | ☺     |       |        |       |        |       |       |
| P6006-D15,20R | 1                     | 15,2                 | B                 | 3,4                  | 4       | ☺     |       |        |       |        |       |       |
| P6006-D15,30R | 1                     | 15,3                 | B                 | 3,4                  | 4       | ☺     |       |        |       |        |       |       |
| P6006-D15,35R | 1                     | 15,35                | B                 | 3,4                  | 4       | ☺     |       |        |       |        |       |       |
| P6006-D15,40R | 1                     | 15,4                 | B                 | 3,4                  | 4       | ☺     |       |        |       |        |       |       |
| P6006-D15,47R | 1                     | 15,47                | B                 | 3,4                  | 4       | ☺     |       |        |       |        |       |       |

Пример заказа: P60...-D13,00R доступны в геометрии  
 P6006 из сплава WPP25 (ISO P, не легированные стали); P6006-D13,00R WPP25  
 P6003 из сплава WMP35 (ISO P, ISO M и ISO S); P6003-D13,00R WMP35 или в исполнении  
 P6001 из сплава WPP45C (ISO P); P6001-D13,00R WPP45C  
 Пример заказа инструмента из сплава WPP45C: P6001-D12,00R WPP45C

HC = твёрдый сплав с покрытием

# Пластины

## P6001 / P6003 / P6004 / P6005 / P6006



### Сменные пластины

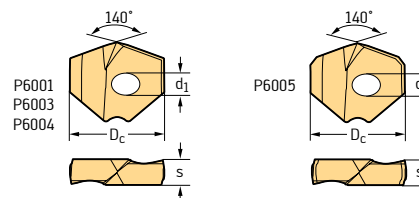
| Обозначение   | Кол-во режущих кромок | Dc mm | Посадочный размер | d1 mm | s mm | P     |       | M      | K     | N      | S    |       |
|---------------|-----------------------|-------|-------------------|-------|------|-------|-------|--------|-------|--------|------|-------|
|               |                       |       |                   |       |      | HC    | HC    | HC     | HC    | HC     | HC   |       |
|               |                       |       |                   |       |      | WPP25 | WMP35 | WPP45C | WMP35 | WKK45C | WN25 | WMP35 |
| P6006-D15,50R | 1                     | 15,5  | B                 | 3,4   | 4    | ☺     |       |        |       |        |      |       |
| P6006-D15,60R | 1                     | 15,6  | B                 | 3,4   | 4    | ☺     |       |        |       |        |      |       |
| P6006-D15,70R | 1                     | 15,7  | B                 | 3,4   | 4    | ☺     |       |        |       |        |      |       |
| P6006-D15,80R | 1                     | 15,8  | B                 | 3,4   | 4    | ☺     |       |        |       |        |      |       |
| P6006-D15,87R | 1                     | 15,87 | B                 | 3,4   | 4    | ☺     |       |        |       |        |      |       |
| P6006-D16,00R | 1                     | 16    | C                 | 4,4   | 4,5  | ☺     |       |        |       |        |      |       |
| P6006-D16,13R | 1                     | 16,13 | C                 | 4,4   | 4,5  | ☺     |       |        |       |        |      |       |
| P6006-D16,26R | 1                     | 16,26 | C                 | 4,4   | 4,5  | ☺     |       |        |       |        |      |       |
| P6006-D16,43R | 1                     | 16,43 | C                 | 4,4   | 4,5  | ☺     |       |        |       |        |      |       |
| P6006-D16,50R | 1                     | 16,5  | C                 | 4,4   | 4,5  | ☺     |       |        |       |        |      |       |
| P6006-D16,66R | 1                     | 16,66 | C                 | 4,4   | 4,5  | ☺     |       |        |       |        |      |       |
| P6006-D16,70R | 1                     | 16,7  | C                 | 4,4   | 4,5  | ☺     |       |        |       |        |      |       |
| P6006-D16,85R | 1                     | 16,85 | C                 | 4,4   | 4,5  | ☺     |       |        |       |        |      |       |
| P6006-D17,00R | 1                     | 17    | C                 | 4,4   | 4,5  | ☺     |       |        |       |        |      |       |
| P6006-D17,07R | 1                     | 17,07 | C                 | 4,4   | 4,5  | ☺     |       |        |       |        |      |       |
| P6006-D17,20R | 1                     | 17,2  | C                 | 4,4   | 4,5  | ☺     |       |        |       |        |      |       |
| P6006-D17,35R | 1                     | 17,35 | C                 | 4,4   | 4,5  | ☺     |       |        |       |        |      |       |
| P6006-D17,45R | 1                     | 17,45 | C                 | 4,4   | 4,5  | ☺     |       |        |       |        |      |       |
| P6006-D17,50R | 1                     | 17,5  | C                 | 4,4   | 4,5  | ☺     |       |        |       |        |      |       |
| P6006-D17,60R | 1                     | 17,6  | C                 | 4,4   | 4,5  | ☺     |       |        |       |        |      |       |
| P6006-D17,70R | 1                     | 17,7  | C                 | 4,4   | 4,5  | ☺     |       |        |       |        |      |       |
| P6006-D17,86R | 1                     | 17,86 | C                 | 4,4   | 4,5  | ☺     |       |        |       |        |      |       |
| P6006-D18,00R | 1                     | 18    | D                 | 4,4   | 5    | ☺     |       |        |       |        |      |       |
| P6006-D18,24R | 1                     | 18,24 | D                 | 4,4   | 5    | ☺     |       |        |       |        |      |       |
| P6006-D18,50R | 1                     | 18,5  | D                 | 4,4   | 5    | ☺     |       |        |       |        |      |       |
| P6006-D18,65R | 1                     | 18,65 | D                 | 4,4   | 5    | ☺     |       |        |       |        |      |       |
| P6006-D18,70R | 1                     | 18,7  | D                 | 4,4   | 5    | ☺     |       |        |       |        |      |       |
| P6006-D18,80R | 1                     | 18,8  | D                 | 4,4   | 5    | ☺     |       |        |       |        |      |       |
| P6006-D19,00R | 1                     | 19    | D                 | 4,4   | 5    | ☺     |       |        |       |        |      |       |
| P6006-D19,05R | 1                     | 19,05 | D                 | 4,4   | 5    | ☺     |       |        |       |        |      |       |
| P6006-D19,10R | 1                     | 19,1  | D                 | 4,4   | 5    | ☺     |       |        |       |        |      |       |
| P6006-D19,20R | 1                     | 19,2  | D                 | 4,4   | 5    | ☺     |       |        |       |        |      |       |
| P6006-D19,25R | 1                     | 19,25 | D                 | 4,4   | 5    | ☺     |       |        |       |        |      |       |
| P6006-D19,30R | 1                     | 19,3  | D                 | 4,4   | 5    | ☺     |       |        |       |        |      |       |
| P6006-D19,35R | 1                     | 19,35 | D                 | 4,4   | 5    | ☺     |       |        |       |        |      |       |
| P6006-D19,43R | 1                     | 19,43 | D                 | 4,4   | 5    | ☺     |       |        |       |        |      |       |
| P6006-D19,50R | 1                     | 19,5  | D                 | 4,4   | 5    | ☺     |       |        |       |        |      |       |
| P6006-D19,60R | 1                     | 19,6  | D                 | 4,4   | 5    | ☺     |       |        |       |        |      |       |
| P6006-D19,70R | 1                     | 19,7  | D                 | 4,4   | 5    | ☺     |       |        |       |        |      |       |
| P6006-D19,84R | 1                     | 19,84 | D                 | 4,4   | 5    | ☺     |       |        |       |        |      |       |
| P6006-D20,00R | 1                     | 20    | E                 | 5,4   | 5,5  | ☺     |       |        |       |        |      |       |
| P6006-D20,20R | 1                     | 20,2  | E                 | 5,4   | 5,5  | ☺     |       |        |       |        |      |       |
| P6006-D20,24R | 1                     | 20,24 | E                 | 5,4   | 5,5  | ☺     |       |        |       |        |      |       |

Пример заказа: P60.. -D13,00R доступны в геометрии  
 P6006 из сплава WPP25 (ISO P, нелегированные стали): P6006-D13,00R WPP25  
 P6003 из сплава WMP35 (ISO P, ISO M и ISO S): P6003-D13,00R WMP35 или в исполнении  
 P6001 из сплава WPP45C (ISO P): P6001-D13,00R WPP45C  
 Пример заказа инструмента из сплава WPP45C: P6001-D12,00R WPP45C

HC = твёрдый сплав с покрытием

## Пластины

## P6001 / P6003 / P6004 / P6005 / P6006



## Сменные пластины

B1

| Обозначение   | Кол-во режущих кромок | D <sub>c</sub><br>mm | Посадочный размер | d <sub>1</sub><br>mm | s<br>mm | P     |       | M  | K  | N  | S  |
|---------------|-----------------------|----------------------|-------------------|----------------------|---------|-------|-------|----|----|----|----|
|               |                       |                      |                   |                      |         | WPP25 | WMP35 | HC | HC | HC | HC |
| P6006-D20,50R | 1                     | 20,5                 | E                 | 5,4                  | 5,5     | ☺     |       |    |    |    |    |
| P6006-D20,62R | 1                     | 20,62                | E                 | 5,4                  | 5,5     | ☺     |       |    |    |    |    |
| P6006-D20,70R | 1                     | 20,7                 | E                 | 5,4                  | 5,5     | ☺     |       |    |    |    |    |
| P6006-D20,85R | 1                     | 20,85                | E                 | 5,4                  | 5,5     | ☺     |       |    |    |    |    |
| P6006-D21,00R | 1                     | 21                   | E                 | 5,4                  | 5,5     | ☺     |       |    |    |    |    |
| P6006-D21,41R | 1                     | 21,41                | E                 | 5,4                  | 5,5     | ☺     |       |    |    |    |    |
| P6006-D21,50R | 1                     | 21,5                 | E                 | 5,4                  | 5,5     | ☺     |       |    |    |    |    |
| P6006-D21,70R | 1                     | 21,7                 | E                 | 5,4                  | 5,5     | ☺     |       |    |    |    |    |
| P6006-D21,83R | 1                     | 21,83                | E                 | 5,4                  | 5,5     | ☺     |       |    |    |    |    |
| P6006-D22,00R | 1                     | 22                   | F                 | 5,4                  | 6       | ☺     |       |    |    |    |    |
| P6006-D22,22R | 1                     | 22,22                | F                 | 5,4                  | 6       | ☺     |       |    |    |    |    |
| P6006-D22,42R | 1                     | 22,42                | F                 | 5,4                  | 6       | ☺     |       |    |    |    |    |
| P6006-D22,47R | 1                     | 22,47                | F                 | 5,4                  | 6       | ☺     |       |    |    |    |    |
| P6006-D22,50R | 1                     | 22,5                 | F                 | 5,4                  | 6       | ☺     |       |    |    |    |    |
| P6006-D22,60R | 1                     | 22,6                 | F                 | 5,4                  | 6       | ☺     |       |    |    |    |    |
| P6006-D22,62R | 1                     | 22,62                | F                 | 5,4                  | 6       | ☺     |       |    |    |    |    |
| P6006-D22,70R | 1                     | 22,7                 | F                 | 5,4                  | 6       | ☺     |       |    |    |    |    |
| P6006-D22,77R | 1                     | 22,77                | F                 | 5,4                  | 6       | ☺     |       |    |    |    |    |
| P6006-D23,00R | 1                     | 23                   | F                 | 5,4                  | 6       | ☺     |       |    |    |    |    |
| P6006-D23,10R | 1                     | 23,1                 | F                 | 5,4                  | 6       | ☺     |       |    |    |    |    |
| P6006-D23,39R | 1                     | 23,39                | F                 | 5,4                  | 6       | ☺     |       |    |    |    |    |
| P6006-D23,50R | 1                     | 23,5                 | F                 | 5,4                  | 6       | ☺     |       |    |    |    |    |
| P6006-D23,70R | 1                     | 23,7                 | F                 | 5,4                  | 6       | ☺     |       |    |    |    |    |
| P6006-D23,80R | 1                     | 23,8                 | F                 | 5,4                  | 6       | ☺     |       |    |    |    |    |
| P6006-D24,00R | 1                     | 24                   | G                 | 5,4                  | 6,5     | ☺     |       |    |    |    |    |
| P6006-D24,21R | 1                     | 24,21                | G                 | 5,4                  | 6,5     | ☺     |       |    |    |    |    |
| P6006-D24,50R | 1                     | 24,5                 | G                 | 5,4                  | 6,5     | ☺     |       |    |    |    |    |
| P6006-D24,59R | 1                     | 24,59                | G                 | 5,4                  | 6,5     | ☺     |       |    |    |    |    |
| P6006-D24,70R | 1                     | 24,7                 | G                 | 5,4                  | 6,5     | ☺     |       |    |    |    |    |
| P6006-D25,00R | 1                     | 25                   | G                 | 5,4                  | 6,5     | ☺     |       |    |    |    |    |
| P6006-D25,25R | 1                     | 25,25                | G                 | 5,4                  | 6,5     | ☺     |       |    |    |    |    |
| P6006-D25,40R | 1                     | 25,4                 | G                 | 5,4                  | 6,5     | ☺     |       |    |    |    |    |
| P6006-D25,50R | 1                     | 25,5                 | G                 | 5,4                  | 6,5     | ☺     |       |    |    |    |    |
| P6006-D25,60R | 1                     | 25,6                 | G                 | 5,4                  | 6,5     | ☺     |       |    |    |    |    |
| P6006-D25,65R | 1                     | 25,65                | G                 | 5,4                  | 6,5     | ☺     |       |    |    |    |    |
| P6006-D25,70R | 1                     | 25,7                 | G                 | 5,4                  | 6,5     | ☺     |       |    |    |    |    |
| P6006-D25,80R | 1                     | 25,8                 | G                 | 5,4                  | 6,5     | ☺     |       |    |    |    |    |
| P6006-D26,00R | 1                     | 26                   | H                 | 6,4                  | 7,1     | ☺     |       |    |    |    |    |
| P6006-D26,25R | 1                     | 26,25                | H                 | 6,4                  | 7,1     | ☺     |       |    |    |    |    |
| P6006-D26,50R | 1                     | 26,5                 | H                 | 6,4                  | 7,1     | ☺     |       |    |    |    |    |
| P6006-D26,59R | 1                     | 26,59                | H                 | 6,4                  | 7,1     | ☺     |       |    |    |    |    |
| P6006-D27,00R | 1                     | 27                   | H                 | 6,4                  | 7,1     | ☺     |       |    |    |    |    |
| P6006-D27,38R | 1                     | 27,38                | H                 | 6,4                  | 7,1     | ☺     |       |    |    |    |    |

Пример заказа: P60...-D13,00R доступны в геометрии

P6006 из сплава WPP25 (ISO P, не легированные стали): P6006-D13,00R WPP25

P6003 из сплава WMP35 (ISO P, ISO M и ISO S): P6003-D13,00R WMP35 или в исполнении

P6001 из сплава WPP45C (ISO P): P6001-D13,00R WPP45C

Пример заказа инструмента из сплава WPP45C: P6001-D12,00R WPP45C

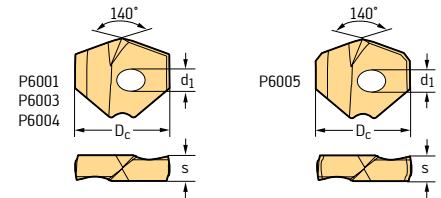
HC = твёрдый сплав с покрытием

WALTER SELECT

Оптимальная пластина для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки

# Пластины

## P6001 / P6003 / P6004 / P6005 / P6006



### Сменные пластины

| Обозначение   | Кол-во режущих кромок | D <sub>c</sub> mm | Посадочный размер | d <sub>1</sub> mm | s mm | P     |       | M      | K     | N      | S    |
|---------------|-----------------------|-------------------|-------------------|-------------------|------|-------|-------|--------|-------|--------|------|
|               |                       |                   |                   |                   |      | HC    |       | HC     | HC    | HC     | HC   |
|               |                       |                   |                   |                   |      | WPP25 | WMP35 | WPP45C | WMP35 | WKK45C | WN25 |
| P6006-D27,50R | 1                     | 27,5              | H                 | 6,4               | 7,1  | ☺     |       |        |       |        |      |
| P6006-D27,78R | 1                     | 27,78             | H                 | 6,4               | 7,1  | ☺     |       |        |       |        |      |
| P6006-D28,00R | 1                     | 28                | J                 | 6,4               | 7,7  | ☺     |       |        |       |        |      |
| P6006-D28,17R | 1                     | 28,17             | J                 | 6,4               | 7,7  | ☺     |       |        |       |        |      |
| P6006-D28,35R | 1                     | 28,35             | J                 | 6,4               | 7,7  | ☺     |       |        |       |        |      |
| P6006-D28,50R | 1                     | 28,5              | J                 | 6,4               | 7,7  | ☺     |       |        |       |        |      |
| P6006-D28,57R | 1                     | 28,57             | J                 | 6,4               | 7,7  | ☺     |       |        |       |        |      |
| P6006-D29,00R | 1                     | 29                | J                 | 6,4               | 7,7  | ☺     |       |        |       |        |      |
| P6006-D29,10R | 1                     | 29,1              | J                 | 6,4               | 7,7  | ☺     |       |        |       |        |      |
| P6006-D29,37R | 1                     | 29,37             | J                 | 6,4               | 7,7  | ☺     |       |        |       |        |      |
| P6006-D29,50R | 1                     | 29,5              | J                 | 6,4               | 7,7  | ☺     |       |        |       |        |      |
| P6006-D29,77R | 1                     | 29,77             | J                 | 6,4               | 7,7  | ☺     |       |        |       |        |      |
| P6006-D30,00R | 1                     | 30                | K                 | 6,4               | 8    | ☺     |       |        |       |        |      |
| P6006-D30,15R | 1                     | 30,15             | K                 | 6,4               | 8    | ☺     |       |        |       |        |      |
| P6006-D30,50R | 1                     | 30,5              | K                 | 6,4               | 8    | ☺     |       |        |       |        |      |
| P6006-D31,00R | 1                     | 31                | K                 | 6,4               | 8    | ☺     |       |        |       |        |      |
| P6006-D31,35R | 1                     | 31,35             | K                 | 6,4               | 8    | ☺     |       |        |       |        |      |
| P6006-D31,50R | 1                     | 31,5              | K                 | 6,4               | 8    | ☺     |       |        |       |        |      |
| P6006-D31,75R | 1                     | 31,75             | K                 | 6,4               | 8    | ☺     |       |        |       |        |      |
| P6006-D31,99R | 1                     | 31,99             | K                 | 6,4               | 8    | ☺     |       |        |       |        |      |
| P6006-D32,00R | 1                     | 32                | M                 | 6,4               | 8,3  | ☺     |       |        |       |        |      |
| P6006-D32,10R | 1                     | 32,1              | M                 | 6,4               | 8,3  | ☺     |       |        |       |        |      |
| P6006-D33,00R | 1                     | 33                | M                 | 6,4               | 8,3  | ☺     |       |        |       |        |      |
| P6006-D34,00R | 1                     | 34                | N                 | 6,4               | 8,6  | ☺     |       |        |       |        |      |
| P6006-D34,10R | 1                     | 34,1              | N                 | 6,4               | 8,6  | ☺     |       |        |       |        |      |
| P6006-D34,60R | 1                     | 34,6              | N                 | 6,4               | 8,6  | ☺     |       |        |       |        |      |
| P6006-D35,00R | 1                     | 35                | N                 | 6,4               | 8,6  | ☺     |       |        |       |        |      |
| P6006-D36,00R | 1                     | 36                | P                 | 6,4               | 8,9  | ☺     |       |        |       |        |      |
| P6006-D37,00R | 1                     | 37                | P                 | 6,4               | 8,9  | ☺     |       |        |       |        |      |
| P6006-D37,99R | 1                     | 37,99             | P                 | 6,4               | 8,9  | ☺     |       |        |       |        |      |

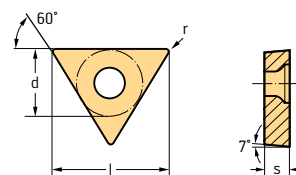
Пример заказа: P60...-D13,00R доступны в геометрии  
 P6006 из сплава WPP25 (ISO P, нелегированные стали); P6006-D13,00R WPP25  
 P6003 из сплава WMP35 (ISO P, ISO M и ISO S); P6003-D13,00R WMP35 или в исполнении  
 P6001 из сплава WPP45C (ISO P); P6001-D13,00R WPP45C  
 Пример заказа инструмента из сплава WPP45C: P6001-D12,00R WPP45C

HC = твёрдый сплав с покрытием

B1

# Токарные пластины Пластины с задними углами 60°

## ТСМТ / ТСМВ



### Пластины

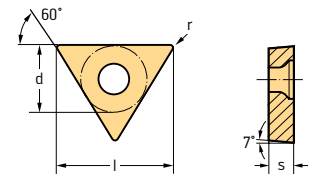
B1

| Обозначение    | l<br>mm | r<br>mm | P      |        |        | M      |        |        |        |        | K      |       |        | S      |        |        |        |        |       |
|----------------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|-------|
|                |         |         | HC     |        |        | HC     |        |        |        |        | HC     |       |        | HC     |        |        |        |        |       |
|                |         |         | WKP01G | WPP10G | WPP20G | WMP20S | WPP30G | WEP10C | WSM10S | WMP20S | WSM20S | WSM21 | WSM30S | WKP01G | WKK10S | WKK20S | WSM10S | WSM20S | WSM21 |
| TCMT110204-FK6 | 11      | 0,4     |        |        |        |        |        |        |        |        |        | ☉     | ☉      |        |        |        |        |        |       |
| TCMT110208-FK6 | 11      | 0,8     |        |        |        |        |        |        |        |        |        | ☉     | ☉      | ☉      |        |        |        |        |       |
| TCMT16T304-FK6 | 16,5    | 0,4     |        |        |        |        |        |        |        |        |        | ☉     | ☉      |        |        |        |        |        |       |
| TCMT16T308-FK6 | 16,5    | 0,8     |        |        |        |        |        |        |        |        |        | ☉     | ☉      | ☉      |        |        |        |        |       |
| TCMT06T102-FM4 | 6,87    | 0,2     |        |        |        |        |        |        |        |        | ☉      |       |        |        |        |        |        |        | ☉     |
| TCMT06T104-FM4 | 6,87    | 0,4     |        |        |        |        |        |        |        |        | ☉      |       |        |        |        |        |        |        | ☉     |
| TCMT090202-FM4 | 9,62    | 0,2     |        |        |        |        |        |        |        | ☉      | ☉      |       |        |        |        |        | ☉      | ☉      |       |
| TCMT090204-FM4 | 9,62    | 0,4     |        |        |        |        |        |        |        | ☉      | ☉      |       |        |        |        |        | ☉      | ☉      |       |
| TCMT090208-FM4 | 9,62    | 0,8     |        |        |        |        |        |        |        | ☉      | ☉      |       |        |        |        |        | ☉      | ☉      |       |
| TCMT110202-FM4 | 11      | 0,2     |        |        |        |        |        |        |        | ☉      | ☉      |       |        |        |        |        | ☉      | ☉      |       |
| TCMT110204-FM4 | 11      | 0,4     |        |        |        | ☉      |        |        |        | ☉      | ☉      |       |        |        |        |        | ☉      | ☉      | ☉     |
| TCMT110208-FM4 | 11      | 0,8     |        |        |        | ☉      | ☉      | ☉      |        | ☉      | ☉      |       |        |        |        |        | ☉      | ☉      | ☉     |
| TCMT16T302-FM4 | 16,5    | 0,2     |        |        |        | ☉      |        |        |        | ☉      | ☉      |       |        |        |        |        | ☉      | ☉      |       |
| TCMT16T304-FM4 | 16,5    | 0,4     |        |        |        | ☉      | ☉      | ☉      |        | ☉      | ☉      |       |        |        |        |        | ☉      | ☉      | ☉     |
| TCMT16T308-FM4 | 16,5    | 0,8     |        |        |        | ☉      | ☉      | ☉      |        | ☉      | ☉      |       |        |        |        |        | ☉      | ☉      | ☉     |
| TCMT06T102-FP4 | 6,87    | 0,2     |        |        | ☉      |        |        |        |        |        |        |       |        |        |        |        |        |        |       |
| TCMT06T104-FP4 | 6,87    | 0,4     |        |        | ☉      |        |        | ☉      |        |        |        |       |        |        |        |        |        |        |       |
| TCMT090202-FP4 | 9,62    | 0,2     |        |        | ☉      |        |        |        |        |        |        |       |        |        |        |        |        |        |       |
| TCMT090204-FP4 | 9,62    | 0,4     | ☉      | ☉      | ☉      |        |        |        |        |        |        | ☉     |        |        |        |        |        |        |       |
| TCMT090208-FP4 | 9,62    | 0,8     | ☉      | ☉      | ☉      |        |        |        |        |        |        | ☉     |        |        |        |        |        |        |       |
| TCMT110202-FP4 | 11      | 0,2     |        |        | ☉      |        |        |        |        |        |        |       |        |        |        |        |        |        |       |
| TCMT110204-FP4 | 11      | 0,4     | ☉      | ☉      | ☉      |        |        |        |        |        |        | ☉     |        |        |        |        |        |        |       |
| TCMT110208-FP4 | 11      | 0,8     | ☉      | ☉      | ☉      |        |        |        |        |        |        | ☉     |        |        |        |        |        |        |       |
| TCMT16T302-FP4 | 16,5    | 0,2     |        |        | ☉      |        |        |        |        |        |        |       |        |        |        |        |        |        |       |
| TCMT16T304-FP4 | 16,5    | 0,4     | ☉      | ☉      | ☉      |        |        |        |        |        |        | ☉     |        |        |        |        |        |        |       |
| TCMT16T308-FP4 | 16,5    | 0,8     | ☉      | ☉      | ☉      |        |        |        |        |        |        | ☉     |        |        |        |        |        |        |       |
| TCMT110204-FP6 | 11      | 0,4     |        |        | ☉      |        |        |        |        |        |        |       |        |        |        |        |        |        |       |
| TCMT110208-FP6 | 11      | 0,8     |        |        | ☉      |        |        |        |        |        |        |       |        |        |        |        |        |        |       |
| TCMT16T304-FP6 | 16,5    | 0,4     |        |        | ☉      |        |        |        |        |        |        |       |        |        |        |        |        |        |       |
| TCMT16T308-FP6 | 16,5    | 0,8     |        |        | ☉      |        |        |        |        |        |        |       |        |        |        |        |        |        |       |
| TCMT090204-MK4 | 9,62    | 0,4     |        |        |        |        |        |        |        |        |        | ☉     | ☉      |        |        |        |        |        |       |
| TCMT090208-MK4 | 9,62    | 0,8     |        |        |        |        |        |        |        |        |        | ☉     | ☉      | ☉      |        |        |        |        |       |
| TCMT110204-MK4 | 11      | 0,4     |        |        |        |        |        |        |        |        |        | ☉     | ☉      | ☉      |        |        |        |        |       |
| TCMT110208-MK4 | 11      | 0,8     |        |        |        |        |        |        |        |        |        | ☉     | ☉      | ☉      |        |        |        |        |       |
| TCMT16T304-MK4 | 16,5    | 0,4     |        |        |        |        |        |        |        |        |        | ☉     | ☉      | ☉      |        |        |        |        |       |
| TCMT16T308-MK4 | 16,5    | 0,8     |        |        |        |        |        |        |        |        |        | ☉     | ☉      | ☉      |        |        |        |        |       |
| TCMT090204-MM4 | 9,62    | 0,4     |        |        |        |        |        |        |        | ☉      | ☉      |       |        |        |        |        | ☉      | ☉      |       |
| TCMT090208-MM4 | 9,62    | 0,8     |        |        |        |        |        |        |        | ☉      | ☉      |       |        |        |        |        | ☉      | ☉      |       |
| TCMT110204-MM4 | 11      | 0,4     |        |        |        |        |        |        |        | ☉      | ☉      |       |        |        |        |        | ☉      | ☉      |       |
| TCMT110208-MM4 | 11      | 0,8     |        |        |        |        |        |        |        | ☉      | ☉      |       |        |        |        |        | ☉      | ☉      |       |
| TCMT16T304-MM4 | 16,5    | 0,4     |        |        |        | ☉      |        |        |        | ☉      | ☉      |       |        |        |        |        | ☉      | ☉      |       |
| TCMT16T308-MM4 | 16,5    | 0,8     |        |        |        | ☉      |        |        |        | ☉      | ☉      |       |        |        |        |        | ☉      | ☉      |       |

Размеры пластин см. в разделе «Система обозначений по ISO 1832»  
 Пример заказа инструмента из сплава WKK10S: TCMT110204-FK6 WKK10S

HC = твёрдый сплав с покрытием  
 HE = кермет с покрытием

# Токарные пластины Пластины с задними углами 60° TCMT / TCMW



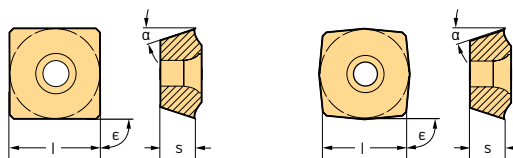
## Пластины

| Обозначение | l<br>mm        | r<br>mm | P      |        |        | M      |        |        |        |        | K      |       |        | S      |        |        |        |        |       |        |   |
|-------------|----------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|-------|--------|---|
|             |                |         | HC     | HE     | HC     | HC     | HC     | HC     | HC     | HC     | HC     |       |        |        |        |        |        |        |       |        |   |
|             |                |         | WKP01G | WPP10G | WPP20G | WMP20S | WPP30G | WEP10C | WSM10S | WMP20S | WSM20S | WSMZ1 | WSM30S | WKP01G | WKK10S | WKK20S | WSM10S | WSM20S | WSMZ1 | WSM30S |   |
|             | TCMT090204-MP4 | 9,62    |        |        | ☺      |        |        |        |        |        |        |       |        |        |        |        |        |        |       |        |   |
|             | TCMT090208-MP4 | 9,62    |        |        | ☺      |        |        |        |        |        |        |       |        |        |        |        |        |        |       |        |   |
|             | TCMT110204-MP4 | 11      |        |        | ☺      | ☺      |        |        |        |        |        |       |        |        |        |        |        |        |       |        |   |
|             | TCMT110208-MP4 | 11      |        |        | ☺      | ☺      |        |        |        |        |        |       |        |        |        |        |        |        |       |        |   |
|             | TCMT16T304-MP4 | 16,5    |        |        | ☺      | ☺      |        |        |        |        |        |       |        |        |        |        |        |        |       |        |   |
|             | TCMT16T308-MP4 | 16,5    |        |        | ☺      | ☺      |        |        |        |        |        |       |        |        |        |        |        |        |       |        |   |
|             | TCMT220408-MP4 | 22      |        |        |        | ☺      |        |        |        |        |        |       |        |        |        |        |        |        |       |        |   |
|             | TCMT090204-RK4 | 9,62    |        |        |        |        |        |        |        |        |        |       |        |        |        | ☺      |        |        |       |        |   |
|             | TCMT090208-RK4 | 9,62    |        |        |        |        |        |        |        |        |        |       |        |        |        | ☺      | ☺      |        |       |        |   |
|             | TCMT110204-RK4 | 11      |        |        |        |        |        |        |        |        |        |       |        |        |        | ☺      | ☺      |        |       |        |   |
|             | TCMT110208-RK4 | 11      |        |        |        |        |        |        |        |        |        |       |        |        |        | ☺      | ☺      |        |       |        |   |
|             | TCMT16T304-RK4 | 16,5    |        |        |        |        |        |        |        |        |        |       |        |        |        | ☺      | ☺      |        |       |        |   |
|             | TCMT16T308-RK4 | 16,5    |        |        |        |        |        |        |        |        |        |       |        |        |        | ☺      | ☺      |        |       |        |   |
|             | TCMT16T312-RK4 | 16,5    |        |        |        |        |        |        |        |        |        |       |        |        |        | ☺      | ☺      |        |       |        |   |
|             | TCMT090204-RM4 | 9,62    |        |        |        |        |        |        |        |        | ☺      |       | ☺      |        |        |        |        |        | ☺     |        | ☺ |
|             | TCMT090208-RM4 | 9,62    |        |        |        |        |        |        |        |        | ☺      |       | ☺      |        |        |        |        |        | ☺     |        | ☺ |
|             | TCMT110204-RM4 | 11      |        |        |        |        |        |        |        | ☺      | ☺      | ☺     | ☺      |        |        |        |        |        | ☺     |        | ☺ |
|             | TCMT110208-RM4 | 11      |        |        |        |        |        |        |        | ☺      | ☺      | ☺     | ☺      |        |        |        |        |        | ☺     |        | ☺ |
|             | TCMT16T304-RM4 | 16,5    |        |        |        |        |        |        |        | ☺      | ☺      | ☺     | ☺      |        |        |        |        |        | ☺     |        | ☺ |
|             | TCMT16T308-RM4 | 16,5    |        |        |        |        |        |        |        | ☺      | ☺      | ☺     | ☺      |        |        |        |        |        | ☺     |        | ☺ |
|             | TCMT16T312-RM4 | 16,5    |        |        |        |        |        |        |        |        | ☺      | ☺     | ☺      |        |        |        |        |        | ☺     |        | ☺ |
|             | TCMT090204-RP4 | 9,62    |        |        | ☺      |        | ☺      |        |        |        |        |       |        |        |        |        |        |        |       |        |   |
|             | TCMT090208-RP4 | 9,62    |        |        | ☺      | ☺      | ☺      |        |        |        |        |       |        |        |        |        |        |        |       |        |   |
|             | TCMT110204-RP4 | 11      |        |        | ☺      | ☺      | ☺      |        |        |        |        |       |        |        |        |        |        |        |       |        |   |
|             | TCMT110208-RP4 | 11      |        |        | ☺      | ☺      | ☺      |        |        |        |        |       |        |        |        |        |        |        |       |        |   |
|             | TCMT16T304-RP4 | 16,5    |        |        | ☺      | ☺      | ☺      |        |        |        |        |       |        |        |        |        |        |        |       |        |   |
|             | TCMT16T308-RP4 | 16,5    |        |        | ☺      | ☺      | ☺      |        |        |        |        |       |        |        |        |        |        |        |       |        |   |
|             | TCMT16T312-RP4 | 16,5    |        |        | ☺      | ☺      | ☺      |        |        |        |        |       |        |        |        |        |        |        |       |        |   |
|             | TCMW110204-RK6 | 11      |        |        |        |        |        |        |        |        |        |       |        |        | ☺      | ☺      |        |        |       |        |   |
|             | TCMW110208-RK6 | 11      |        |        |        |        |        |        |        |        |        |       |        |        | ☺      | ☺      |        |        |       |        |   |
|             | TCMW16T304-RK6 | 16,5    |        |        |        |        |        |        |        |        |        |       |        |        | ☺      | ☺      |        |        |       |        |   |
|             | TCMW16T308-RK6 | 16,5    |        |        |        |        |        |        |        |        |        |       |        |        | ☺      | ☺      |        |        |       |        |   |

Размеры пластин см. в разделе «Система обозначений по ISO 1832»  
Пример заказа инструмента из сплава WKK10S: TCMT110204-FK6 WKK10S

HC = твёрдый сплав с покрытием  
HE = кермет с покрытием

# Пластины квадратные P284..



## Пластины

B1

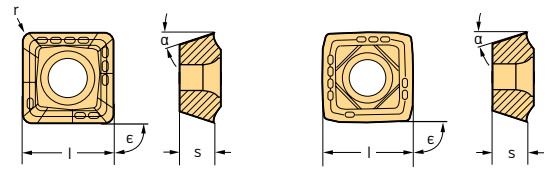
| Обозначение   | Кол-во режущих кромок | l mm | s mm | α   | ε   | Размер | P      |        |       |        | M     |        | K      |        | N    |      | S      |
|---------------|-----------------------|------|------|-----|-----|--------|--------|--------|-------|--------|-------|--------|--------|--------|------|------|--------|
|               |                       |      |      |     |     |        | HC     |        |       |        | HC    |        | HC     |        | HC   | HW   | HC     |
|               |                       |      |      |     |     |        | WKP25S | WKP35S | WXP40 | WSP45G | WXP40 | WSP45G | WKP25S | WKP35S | WN15 | WN15 | WSP45G |
| P2840S-1N-A57 | 4                     | 6.35 | 2.4  | 14° | 90° | 1      | ☑      | ☑      | ☑     | ☑      | ☑     | ☑      | ☑      |        |      |      | ☑      |
| P2840S-2N-A57 | 4                     | 7.8  | 3.2  | 14° | 90° | 02     | ☑      | ☑      | ☑     | ☑      | ☑     | ☑      | ☑      |        |      |      | ☑      |
| P2840S-3N-A57 | 4                     | 9.52 | 4    | 11° | 96° | 03     | ☑      | ☑      | ☑     | ☑      | ☑     | ☑      | ☑      |        |      |      | ☑      |
| P2840S-4N-A57 | 4                     | 11   | 4    | 11° | 96° | 4      | ☑      | ☑      | ☑     | ☑      | ☑     | ☑      | ☑      |        |      |      | ☑      |
| P2840S-5N-A57 | 4                     | 12.7 | 4.8  | 11° | 96° | 5      | ☑      | ☑      | ☑     | ☑      | ☑     | ☑      | ☑      |        |      |      | ☑      |
| P2840S-6N-A57 | 4                     | 15   | 4.8  | 11° | 96° | 6      | ☑      | ☑      | ☑     | ☑      | ☑     | ☑      | ☑      |        |      |      | ☑      |
| P2840S-7N-A57 | 4                     | 17.6 | 5.6  | 11° | 96° | 7      | ☑      | ☑      | ☑     | ☑      | ☑     | ☑      | ☑      |        |      |      | ☑      |
| P2840S-1N-E67 | 4                     | 6.35 | 2.4  | 14° | 90° | 1      | ☑      | ☑      | ☑     | ☑      | ☑     | ☑      | ☑      |        |      |      | ☑      |
| P2840S-2N-E67 | 4                     | 7.8  | 3.2  | 14° | 90° | 02     | ☑      | ☑      | ☑     | ☑      | ☑     | ☑      | ☑      |        |      |      | ☑      |
| P2840S-3N-E67 | 4                     | 9.52 | 4    | 11° | 96° | 03     | ☑      | ☑      | ☑     | ☑      | ☑     | ☑      | ☑      |        |      |      | ☑      |
| P2840S-4N-E67 | 4                     | 11   | 4    | 11° | 96° | 4      | ☑      | ☑      | ☑     | ☑      | ☑     | ☑      | ☑      |        |      |      | ☑      |
| P2840S-5N-E67 | 4                     | 12.7 | 4.8  | 11° | 96° | 5      | ☑      | ☑      | ☑     | ☑      | ☑     | ☑      | ☑      |        |      |      | ☑      |
| P2840S-6N-E67 | 4                     | 15   | 4.8  | 11° | 96° | 6      | ☑      | ☑      | ☑     | ☑      | ☑     | ☑      | ☑      |        |      |      | ☑      |
| P2840S-7N-E67 | 4                     | 17.6 | 5.6  | 11° | 96° | 7      | ☑      | ☑      | ☑     | ☑      | ☑     | ☑      | ☑      |        |      |      | ☑      |
| P2841S-1N-A57 | 4                     | 6.35 | 2.4  | 14° | 90° | 1      | ☑      | ☑      | ☑     | ☑      | ☑     | ☑      | ☑      |        |      |      | ☑      |
| P2841S-2N-A57 | 4                     | 7.8  | 3.2  | 14° | 90° | 02     | ☑      | ☑      | ☑     | ☑      | ☑     | ☑      | ☑      |        |      |      | ☑      |
| P2841S-3N-A57 | 4                     | 9.52 | 4    | 11° | 96° | 03     | ☑      | ☑      | ☑     | ☑      | ☑     | ☑      | ☑      |        |      |      | ☑      |
| P2841S-4N-A57 | 4                     | 11   | 4    | 11° | 96° | 4      | ☑      | ☑      | ☑     | ☑      | ☑     | ☑      | ☑      |        |      |      | ☑      |
| P2841S-5N-A57 | 4                     | 12.7 | 4.8  | 11° | 96° | 5      | ☑      | ☑      | ☑     | ☑      | ☑     | ☑      | ☑      |        |      |      | ☑      |
| P2841S-6N-A57 | 4                     | 15   | 4.8  | 11° | 96° | 6      | ☑      | ☑      | ☑     | ☑      | ☑     | ☑      | ☑      |        |      |      | ☑      |
| P2841S-7N-A57 | 4                     | 17.6 | 5.6  | 11° | 96° | 7      | ☑      | ☑      | ☑     | ☑      | ☑     | ☑      | ☑      |        |      |      | ☑      |
| P2841S-1N-E57 | 4                     | 6.35 | 2.4  | 14° | 90° | 1      | ☑      | ☑      | ☑     | ☑      | ☑     | ☑      | ☑      |        |      |      | ☑      |
| P2841S-2N-E57 | 4                     | 7.8  | 3.2  | 14° | 90° | 02     | ☑      | ☑      | ☑     | ☑      | ☑     | ☑      | ☑      |        |      |      | ☑      |
| P2841S-3N-E57 | 4                     | 9.52 | 4    | 11° | 96° | 03     | ☑      | ☑      | ☑     | ☑      | ☑     | ☑      | ☑      |        |      |      | ☑      |
| P2841S-4N-E57 | 4                     | 11   | 4    | 11° | 96° | 4      | ☑      | ☑      | ☑     | ☑      | ☑     | ☑      | ☑      |        |      |      | ☑      |
| P2841S-5N-E57 | 4                     | 12.7 | 4.8  | 11° | 96° | 5      | ☑      | ☑      | ☑     | ☑      | ☑     | ☑      | ☑      |        |      |      | ☑      |
| P2841S-6N-E57 | 4                     | 15   | 4.8  | 11° | 96° | 6      | ☑      | ☑      | ☑     | ☑      | ☑     | ☑      | ☑      |        |      |      | ☑      |
| P2841S-7N-E57 | 4                     | 17.6 | 5.6  | 11° | 96° | 7      | ☑      | ☑      | ☑     | ☑      | ☑     | ☑      | ☑      |        |      |      | ☑      |
| P2841S-1N-E67 | 4                     | 6.35 | 2.4  | 14° | 90° | 1      | ☑      | ☑      | ☑     | ☑      | ☑     | ☑      | ☑      |        |      |      | ☑      |
| P2841S-2N-E67 | 4                     | 7.8  | 3.2  | 14° | 90° | 02     | ☑      | ☑      | ☑     | ☑      | ☑     | ☑      | ☑      |        |      |      | ☑      |
| P2841S-3N-E67 | 4                     | 9.52 | 4    | 11° | 96° | 03     | ☑      | ☑      | ☑     | ☑      | ☑     | ☑      | ☑      |        |      |      | ☑      |
| P2841S-4N-E67 | 4                     | 11   | 4    | 11° | 96° | 4      | ☑      | ☑      | ☑     | ☑      | ☑     | ☑      | ☑      |        |      |      | ☑      |
| P2841S-5N-E67 | 4                     | 12.7 | 4.8  | 11° | 96° | 5      | ☑      | ☑      | ☑     | ☑      | ☑     | ☑      | ☑      |        |      |      | ☑      |
| P2841S-6N-E67 | 4                     | 15   | 4.8  | 11° | 96° | 6      | ☑      | ☑      | ☑     | ☑      | ☑     | ☑      | ☑      |        |      |      | ☑      |
| P2841S-7N-E67 | 4                     | 17.6 | 5.6  | 11° | 96° | 7      | ☑      | ☑      | ☑     | ☑      | ☑     | ☑      | ☑      |        |      |      | ☑      |
| P2840S-1N-E77 | 4                     | 6.35 | 2.4  | 14° | 90° | 1      |        |        |       |        |       |        |        |        |      | ☑    | ☑      |
| P2840S-2N-E77 | 4                     | 7.8  | 3.2  | 14° | 90° | 02     |        |        |       |        |       |        |        |        |      | ☑    | ☑      |
| P2840S-3N-E77 | 4                     | 9.52 | 4    | 11° | 96° | 03     |        |        |       |        |       |        |        |        |      | ☑    | ☑      |
| P2840S-4N-E77 | 4                     | 11   | 4    | 11° | 96° | 4      |        |        |       |        |       |        |        |        |      | ☑    | ☑      |
| P2840S-5N-E77 | 4                     | 12.7 | 4.8  | 11° | 96° | 5      |        |        |       |        |       |        |        |        |      | ☑    | ☑      |
| P2840S-6N-E77 | 4                     | 15   | 4.8  | 11° | 96° | 6      |        |        |       |        |       |        |        |        |      | ☑    | ☑      |
| P2840S-7N-E77 | 4                     | 17.6 | 5.6  | 11° | 96° | 7      |        |        |       |        |       |        |        |        |      | ☑    | ☑      |

Пример заказа инструмента из сплава WKP25S: P2840S-1N-A57 WKP25S  
 Пример заказа инструмента из сплава WKP35S: P2840S-1N-A57 WKP35S  
 Пример заказа инструмента из сплава WSP45G: P2840S-1N-A57 WSP45G





HC = твёрдый сплав с покрытием  
 HW = твёрдый сплав без покрытия



## Пластины квадратные P484 .



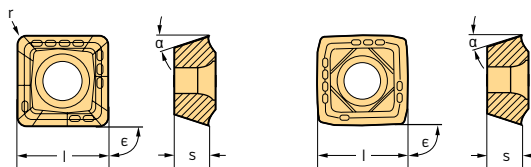
### Пластины

| Обозначение   | Кол-во режущих кромок | l mm  | s mm | r mm | α   | ε   | Размер | P      |        | M      | K      | N      |        | S    |
|---|-----------------------|-------|------|------|-----|-----|--------|--------|--------|--------|--------|--------|--------|------|
|   |                       |       |      |      |     |     |        | HC     |        | HC     | HC     | HC     | HW     | HC   |
|   |                       |       |      |      |     |     |        | WKP25S | WKP35S | WSP45G | WSP45G | WKP25S | WKP35S | WN15 |
|  P4840P-1R-A57   | 4                     | 4,55  | 2    | 0,29 | 11° | 90° | 1      | ☉      | ☉      | ☉      | ☉      | ☉      | ☉      | ☉    |
| P4840P-2R-A57   | 4                     | 5,52  | 2,3  | 0,34 | 11° | 90° | 02     | ☉      | ☉      | ☉      | ☉      | ☉      | ☉      | ☉    |
| P4840P-3R-A57   | 4                     | 6,5   | 2,8  | 0,4  | 11° | 90° | 03     | ☉      | ☉      | ☉      | ☉      | ☉      | ☉      | ☉    |
| P4840P-4R-A57   | 4                     | 7,8   | 3,4  | 0,48 | 11° | 90° | 4      | ☉      | ☉      | ☉      | ☉      | ☉      | ☉      | ☉    |
| P4840P-5R-A57   | 4                     | 9,56  | 4,1  | 0,59 | 11° | 90° | 5      | ☉      | ☉      | ☉      | ☉      | ☉      | ☉      | ☉    |
| P4840P-6R-A57   | 4                     | 11,75 | 4,9  | 0,7  | 11° | 90° | 6      | ☉      | ☉      | ☉      | ☉      | ☉      | ☉      | ☉    |
| P4840P-7R-A57   | 4                     | 14,03 | 5,5  | 0,8  | 11° | 90° | 7      | ☉      | ☉      | ☉      | ☉      | ☉      | ☉      | ☉    |
| P4840P-8R-A57   | 4                     | 16,5  | 5,5  | 1    | 11° | 90° | 8      | ☉      | ☉      | ☉      | ☉      | ☉      | ☉      | ☉    |
|  P4840P-1R-E57   | 4                     | 4,55  | 2    | 0,29 | 11° | 90° | 1      | ☉      | ☉      | ☉      | ☉      | ☉      | ☉      | ☉    |
| P4840P-2R-E57   | 4                     | 5,52  | 2,3  | 0,34 | 11° | 90° | 02     | ☉      | ☉      | ☉      | ☉      | ☉      | ☉      | ☉    |
| P4840P-3R-E57   | 4                     | 6,5   | 2,8  | 0,4  | 11° | 90° | 03     | ☉      | ☉      | ☉      | ☉      | ☉      | ☉      | ☉    |
| P4840P-4R-E57   | 4                     | 7,8   | 3,4  | 0,48 | 11° | 90° | 4      | ☉      | ☉      | ☉      | ☉      | ☉      | ☉      | ☉    |
| P4840P-5R-E57   | 4                     | 9,56  | 4,1  | 0,59 | 11° | 90° | 5      | ☉      | ☉      | ☉      | ☉      | ☉      | ☉      | ☉    |
| P4840P-6R-E57   | 4                     | 11,75 | 4,9  | 0,7  | 11° | 90° | 6      | ☉      | ☉      | ☉      | ☉      | ☉      | ☉      | ☉    |
| P4840P-7R-E57   | 4                     | 14,03 | 5,5  | 0,8  | 11° | 90° | 7      | ☉      | ☉      | ☉      | ☉      | ☉      | ☉      | ☉    |
| P4840P-8R-E57   | 4                     | 16,5  | 5,5  | 1    | 11° | 90° | 8      | ☉      | ☉      | ☉      | ☉      | ☉      | ☉      | ☉    |
|  P4840P-1R-E67 | 4                     | 4,55  | 2    | 0,29 | 11° | 90° | 1      | ☉      | ☉      | ☉      | ☉      | ☉      | ☉      | ☉    |
| P4840P-2R-E67   | 4                     | 5,52  | 2,3  | 0,34 | 11° | 90° | 02     | ☉      | ☉      | ☉      | ☉      | ☉      | ☉      | ☉    |
| P4840P-3R-E67   | 4                     | 6,5   | 2,8  | 0,4  | 11° | 90° | 03     | ☉      | ☉      | ☉      | ☉      | ☉      | ☉      | ☉    |
| P4840P-4R-E67   | 4                     | 7,8   | 3,4  | 0,48 | 11° | 90° | 4      | ☉      | ☉      | ☉      | ☉      | ☉      | ☉      | ☉    |
| P4840P-5R-E67   | 4                     | 9,56  | 4,1  | 0,59 | 11° | 90° | 5      | ☉      | ☉      | ☉      | ☉      | ☉      | ☉      | ☉    |
| P4840P-6R-E67   | 4                     | 11,75 | 4,9  | 0,7  | 11° | 90° | 6      | ☉      | ☉      | ☉      | ☉      | ☉      | ☉      | ☉    |
| P4840P-7R-E67   | 4                     | 14,03 | 5,5  | 0,8  | 11° | 90° | 7      | ☉      | ☉      | ☉      | ☉      | ☉      | ☉      | ☉    |
| P4840P-8R-E67   | 4                     | 16,5  | 5,5  | 1    | 11° | 90° | 8      | ☉      | ☉      | ☉      | ☉      | ☉      | ☉      | ☉    |
|  P4840P-1R-E77 | 4                     | 4,55  | 2    | 0,29 | 11° | 90° | 1      | ☉      | ☉      | ☉      | ☉      | ☉      | ☉      | ☉    |
| P4840P-2R-E77   | 4                     | 5,52  | 2,3  | 0,34 | 11° | 90° | 02     | ☉      | ☉      | ☉      | ☉      | ☉      | ☉      | ☉    |
| P4840P-3R-E77   | 4                     | 6,5   | 2,8  | 0,4  | 11° | 90° | 03     | ☉      | ☉      | ☉      | ☉      | ☉      | ☉      | ☉    |
| P4840P-4R-E77   | 4                     | 7,8   | 3,4  | 0,48 | 11° | 90° | 4      | ☉      | ☉      | ☉      | ☉      | ☉      | ☉      | ☉    |
| P4840P-5R-E77   | 4                     | 9,56  | 4,1  | 0,59 | 11° | 90° | 5      | ☉      | ☉      | ☉      | ☉      | ☉      | ☉      | ☉    |
| P4840P-6R-E77   | 4                     | 11,75 | 4,9  | 0,7  | 11° | 90° | 6      | ☉      | ☉      | ☉      | ☉      | ☉      | ☉      | ☉    |
| P4840P-7R-E77   | 4                     | 14,03 | 5,5  | 0,8  | 11° | 90° | 7      | ☉      | ☉      | ☉      | ☉      | ☉      | ☉      | ☉    |
| P4840P-8R-E77   | 4                     | 16,5  | 5,5  | 1    | 11° | 90° | 8      | ☉      | ☉      | ☉      | ☉      | ☉      | ☉      | ☉    |

Пример заказа инструмента из сплава WKP25S: P4840P-1R-A57 WKP25S  
 Пример заказа инструмента из сплава WKP35S: P4840P-1R-A57 WKP35S  
 Пример заказа инструмента из сплава WSP45G: P4840P-1R-A57 WSP45G

HC = твёрдый сплав с покрытием  
 HW = твёрдый сплав без покрытия

## Пластины квадратные P484 .



### Пластины

B1

| Обозначение   | Кол-во режущих кромок | l mm  | s mm | r mm | α   | ε   | Размер | P      |        | M      |        | K      |       | N     |        | S |
|---------------|-----------------------|-------|------|------|-----|-----|--------|--------|--------|--------|--------|--------|-------|-------|--------|---|
|               |                       |       |      |      |     |     |        | HC     | HC     | HC     | HC     | HC     | HW    | HC    |        |   |
|               |                       |       |      |      |     |     |        | WKP25S | WKP35S | WSP45G | WKP25S | WKP35S | WNN15 | WNN15 | WSP45G |   |
| P4841P-1R-A57 | 4                     | 4,55  | 2    | 0,29 | 11° | 90° | 1      | ☑      | ☑      | ☑      | ☑      | ☑      |       |       | ☑      |   |
| P4841P-2R-A57 | 4                     | 5,52  | 2,3  | 0,34 | 11° | 90° | 02     | ☑      | ☑      | ☑      | ☑      | ☑      |       |       | ☑      |   |
| P4841P-3R-A57 | 4                     | 6,5   | 2,8  | 0,4  | 11° | 90° | 03     | ☑      | ☑      | ☑      | ☑      | ☑      |       |       | ☑      |   |
| P4841P-4R-A57 | 4                     | 7,8   | 3,4  | 0,48 | 11° | 90° | 4      | ☑      | ☑      | ☑      | ☑      | ☑      |       |       | ☑      |   |
| P4841P-5R-A57 | 4                     | 9,56  | 4,1  | 0,59 | 11° | 90° | 5      | ☑      | ☑      | ☑      | ☑      | ☑      |       |       | ☑      |   |
| P4841P-6R-A57 | 4                     | 11,75 | 4,9  | 0,7  | 11° | 90° | 6      | ☑      | ☑      | ☑      | ☑      | ☑      |       |       | ☑      |   |
| P4841P-7R-A57 | 4                     | 14,03 | 5,5  | 0,8  | 11° | 90° | 7      | ☑      | ☑      | ☑      | ☑      | ☑      |       |       | ☑      |   |
| P4841P-8R-A57 | 4                     | 16,5  | 5,5  | 1    | 11° | 90° | 8      | ☑      | ☑      | ☑      | ☑      | ☑      |       |       | ☑      |   |
| P4841P-1R-E57 | 4                     | 4,55  | 2    | 0,29 | 11° | 90° | 1      | ☑      | ☑      | ☑      | ☑      | ☑      |       |       | ☑      |   |
| P4841P-2R-E57 | 4                     | 5,52  | 2,3  | 0,34 | 11° | 90° | 02     | ☑      | ☑      | ☑      | ☑      | ☑      |       |       | ☑      |   |
| P4841P-3R-E57 | 4                     | 6,5   | 2,8  | 0,4  | 11° | 90° | 03     | ☑      | ☑      | ☑      | ☑      | ☑      |       |       | ☑      |   |
| P4841P-4R-E57 | 4                     | 7,8   | 3,4  | 0,48 | 11° | 90° | 4      | ☑      | ☑      | ☑      | ☑      | ☑      |       |       | ☑      |   |
| P4841P-5R-E57 | 4                     | 9,56  | 4,1  | 0,59 | 11° | 90° | 5      | ☑      | ☑      | ☑      | ☑      | ☑      |       |       | ☑      |   |
| P4841P-6R-E57 | 4                     | 11,75 | 4,9  | 0,7  | 11° | 90° | 6      | ☑      | ☑      | ☑      | ☑      | ☑      |       |       | ☑      |   |
| P4841P-7R-E57 | 4                     | 14,03 | 5,5  | 0,8  | 11° | 90° | 7      | ☑      | ☑      | ☑      | ☑      | ☑      |       |       | ☑      |   |
| P4841P-8R-E57 | 4                     | 16,5  | 5,5  | 1    | 11° | 90° | 8      | ☑      | ☑      | ☑      | ☑      | ☑      |       |       | ☑      |   |

Пример заказа инструмента из сплава WKP25S: P4840P-1R-A57 WKP25S

Пример заказа инструмента из сплава WKP35S: P4840P-1R-A57 WKP35S

Пример заказа инструмента из сплава WSP45G: P4840P-1R-A57 WSP45G

HC = твёрдый сплав с покрытием

HW = твёрдый сплав без покрытия

### Пластины

| Обозначение   | Кол-во режущих кромок | l mm  | s mm | r mm | α   | ε   | Размер | P      |       | M      |       | K      |        | N     |       | S      |
|---------------|-----------------------|-------|------|------|-----|-----|--------|--------|-------|--------|-------|--------|--------|-------|-------|--------|
|               |                       |       |      |      |     |     |        | HC     | HC    | HC     | HC    | HC     | HW     | HC    |       |        |
|               |                       |       |      |      |     |     |        | WKP35S | WXP40 | WSP45G | WXP40 | WSP45G | WKP35S | WNN15 | WNN15 | WSP45G |
| P4841C-1R-A57 | 4                     | 4,9   | 2    | 0,29 | 11° | 90° | 1      | ☑      | ☑     | ☑      | ☑     | ☑      | ☑      |       |       | ☑      |
| P4841C-2R-A57 | 4                     | 5,95  | 2,4  | 0,34 | 11° | 90° | 02     | ☑      | ☑     | ☑      | ☑     | ☑      | ☑      |       |       | ☑      |
| P4841C-3R-A57 | 4                     | 7     | 2,8  | 0,4  | 11° | 90° | 03     | ☑      | ☑     | ☑      | ☑     | ☑      | ☑      |       |       | ☑      |
| P4841C-4R-A57 | 4                     | 8,4   | 3,4  | 0,48 | 11° | 90° | 4      | ☑      | ☑     | ☑      | ☑     | ☑      | ☑      |       |       | ☑      |
| P4841C-5R-A57 | 4                     | 10,29 | 4,1  | 0,59 | 11° | 90° | 5      | ☑      | ☑     | ☑      | ☑     | ☑      | ☑      |       |       | ☑      |
| P4841C-6R-A57 | 4                     | 12,24 | 4,9  | 0,7  | 11° | 90° | 6      | ☑      | ☑     | ☑      | ☑     | ☑      | ☑      |       |       | ☑      |
| P4841C-7R-A57 | 4                     | 14,69 | 5,5  | 0,8  | 11° | 90° | 7      | ☑      | ☑     | ☑      | ☑     | ☑      | ☑      |       |       | ☑      |
| P4841C-8R-A57 | 4                     | 17,49 | 5,6  | 1    | 11° | 90° | 8      | ☑      | ☑     | ☑      | ☑     | ☑      | ☑      |       |       | ☑      |
| P4841C-1R-E57 | 4                     | 4,9   | 2    | 0,29 | 11° | 90° | 1      | ☑      | ☑     | ☑      | ☑     | ☑      | ☑      |       |       | ☑      |
| P4841C-2R-E57 | 4                     | 5,95  | 2,4  | 0,34 | 11° | 90° | 02     | ☑      | ☑     | ☑      | ☑     | ☑      | ☑      |       |       | ☑      |
| P4841C-3R-E57 | 4                     | 7     | 2,8  | 0,4  | 11° | 90° | 03     | ☑      | ☑     | ☑      | ☑     | ☑      | ☑      |       |       | ☑      |
| P4841C-4R-E57 | 4                     | 8,4   | 3,4  | 0,48 | 11° | 90° | 4      | ☑      | ☑     | ☑      | ☑     | ☑      | ☑      |       |       | ☑      |
| P4841C-5R-E57 | 4                     | 10,29 | 4,1  | 0,59 | 11° | 90° | 5      | ☑      | ☑     | ☑      | ☑     | ☑      | ☑      |       |       | ☑      |
| P4841C-6R-E57 | 4                     | 12,24 | 4,9  | 0,7  | 11° | 90° | 6      | ☑      | ☑     | ☑      | ☑     | ☑      | ☑      |       |       | ☑      |
| P4841C-7R-E57 | 4                     | 14,69 | 5,5  | 0,8  | 11° | 90° | 7      | ☑      | ☑     | ☑      | ☑     | ☑      | ☑      |       |       | ☑      |
| P4841C-8R-E57 | 4                     | 17,49 | 5,6  | 1    | 11° | 90° | 8      | ☑      | ☑     | ☑      | ☑     | ☑      | ☑      |       |       | ☑      |

Пример заказа инструмента из сплава WKP35S: P4841C-1R-A57 WKP35S

Пример заказа инструмента из сплава WSP45G: P4841C-1R-A57 WSP45G

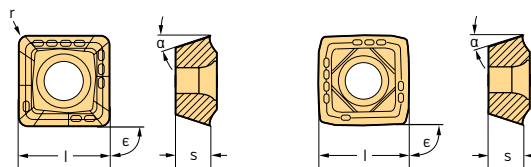
HC = твёрдый сплав с покрытием

HW = твёрдый сплав без покрытия



**WALTER SELECT**

Оптимальная пластина для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☒ условий обработки

# Пластины квадратные P484 .



## Пластины

| Обозначение   | Кол-во режущих кромок | l mm  | s mm | r mm | α   | ε   | Размер | P      |       | M      |       | K      | N      |    | S  |
|---|-----------------------|-------|------|------|-----|-----|--------|--------|-------|--------|-------|--------|--------|----|----|
|   |                       |       |      |      |     |     |        | WKP355 | WXP40 | WSP45G | WXP40 | WSP45G | WKP355 | HC | HW |
|  P4840C-1R-E67 | 4                     | 4,9   | 2    | 0,29 | 11° | 90° | 1      | ☞      | ☞     | ☞      | ☞     | ☞      |        |    | ☞  |
| P4840C-2R-E67   | 4                     | 5,95  | 2,4  | 0,34 | 11° | 90° | 02     | ☞      | ☞     | ☞      | ☞     | ☞      |        |    | ☞  |
| P4840C-3R-E67   | 4                     | 7     | 2,8  | 0,4  | 11° | 90° | 03     | ☞      | ☞     | ☞      | ☞     | ☞      |        |    | ☞  |
| P4840C-4R-E67   | 4                     | 8,4   | 3,4  | 0,48 | 11° | 90° | 4      | ☞      | ☞     | ☞      | ☞     | ☞      |        |    | ☞  |
| P4840C-5R-E67   | 4                     | 10,29 | 4,1  | 0,59 | 11° | 90° | 5      | ☞      | ☞     | ☞      | ☞     | ☞      |        |    | ☞  |
| P4840C-6R-E67   | 4                     | 12,24 | 4,9  | 0,7  | 11° | 90° | 6      | ☞      | ☞     | ☞      | ☞     | ☞      |        |    | ☞  |
| P4840C-7R-E67   | 4                     | 14,69 | 5,5  | 0,8  | 11° | 90° | 7      | ☞      | ☞     | ☞      | ☞     | ☞      |        |    | ☞  |
| P4840C-8R-E67   | 4                     | 17,49 | 5,6  | 1    | 11° | 90° | 8      | ☞      | ☞     | ☞      | ☞     | ☞      |        |    | ☞  |
|  P4840C-1R-E77 | 4                     | 4,9   | 2    | 0,29 | 11° | 90° | 1      |        |       |        |       |        | ☞      | ☞  |    |
| P4840C-2R-E77   | 4                     | 5,95  | 2,4  | 0,34 | 11° | 90° | 02     |        |       |        |       |        | ☞      | ☞  |    |
| P4840C-3R-E77   | 4                     | 7     | 2,8  | 0,4  | 11° | 90° | 03     |        |       |        |       |        | ☞      | ☞  |    |
| P4840C-4R-E77   | 4                     | 8,4   | 3,4  | 0,48 | 11° | 90° | 4      |        |       |        |       |        | ☞      | ☞  |    |
| P4840C-5R-E77   | 4                     | 10,29 | 4,1  | 0,59 | 11° | 90° | 5      |        |       |        |       |        | ☞      | ☞  |    |
| P4840C-6R-E77   | 4                     | 12,24 | 4,9  | 0,7  | 11° | 90° | 6      |        |       |        |       |        | ☞      | ☞  |    |
| P4840C-7R-E77   | 4                     | 14,69 | 5,5  | 0,8  | 11° | 90° | 7      |        |       |        |       |        | ☞      | ☞  |    |
| P4840C-8R-E77   | 4                     | 17,49 | 5,6  | 1    | 11° | 90° | 8      |        |       |        |       |        | ☞      | ☞  |    |

Пример заказа инструмента из сплава WKP355: P4841C-1R-A57 WKP355

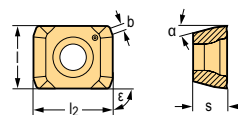
Пример заказа инструмента из сплава WSP45G: P4841C-1R-A57 WSP45G

HC = твёрдый сплав с покрытием


HW = твёрдый сплав без покрытия

B1

## Пластины прямоугольные LCGX



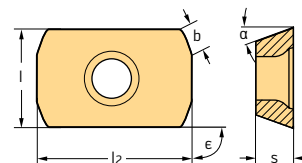
### Пластины

| Обозначение  | Кол-во режущих кромок | l mm | l <sub>2</sub> mm | s mm | α  | ε   | b mm | N    |      |
|--|-----------------------|------|-------------------|------|----|-----|------|------|------|
|  |                       |      |                   |      |    |     |      | HC   | HW   |
|  |                       |      |                   |      |    |     |      | WN15 | WN15 |
|  LCGX050203-E77<br>LCGX06T204-E77 | 2                     | 4    | 5,2               | 2,4  | 7° | 90° | 0,6  | ☺    | ☺    |
|  | 2                     | 5,2  | 6,6               | 2,8  | 7° | 90° | 0,8  | ☹    | ☹    |




Пример заказа инструмента из сплава WN15: LCGX050203-E77 WN15

 HC = твёрдый сплав с покрытием  
 HW = твёрдый сплав без покрытия

## Пластины прямоугольные LCMX



### Пластины

| Обозначение  | Кол-во режущих кромок | l mm | l <sub>2</sub> mm | s mm | α  | ε   | b mm | P      |        | M     |        | K     |        | S      |        |        |
|--|-----------------------|------|-------------------|------|----|-----|------|--------|--------|-------|--------|-------|--------|--------|--------|--------|
|  |                       |      |                   |      |    |     |      | HC     | HC     | HC    | HC     | HC    | HC     |        |        |        |
|  |                       |      |                   |      |    |     |      | WKP25S | WKP35S | WXP40 | WSP45G | WXP40 | WSP45G | WKP25S | WKP35S | WSP45G |
|  LCMX050203-B57<br>LCMX06T204-B57 | 2                     | 4    | 5,2               | 2,4  | 7° | 90° | 0,6  | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺      | ☺      |
|  | 2                     | 5,2  | 6,6               | 2,8  | 7° | 90° | 0,8  | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺      | ☺      |
|  LCMX050203-D57<br>LCMX06T204-D57 | 2                     | 4    | 5,2               | 2,4  | 7° | 90° | 0,6  | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺      | ☺      |
|  | 2                     | 5,2  | 6,6               | 2,8  | 7° | 90° | 0,8  | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺      | ☺      |
|  LCMX050203-E57<br>LCMX06T204-E57 | 2                     | 4    | 5,2               | 2,4  | 7° | 90° | 0,6  | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺      | ☺      |
|  | 2                     | 5,2  | 6,6               | 2,8  | 7° | 90° | 0,8  | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺      | ☺      |

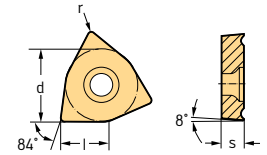
Пример заказа инструмента из сплава WKP25S: LCMX050203-B57 WKP25S

Пример заказа инструмента из сплава WKP35S: LCMX050203-B57 WKP35S

Пример заказа инструмента из сплава WSP45G: LCMX050203-B57 WSP45G

HC = твёрдый сплав с покрытием

# Пластины треугольные WOMX / WOEX



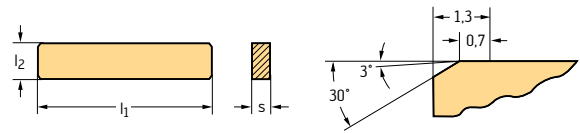
## Пластины

| Обозначение    | Кол-во режущих кромок | l mm  | s mm | r mm | α   | ε   | P      |        |       | M      |       | K      |       | S      |        |
|----------------|-----------------------|-------|------|------|-----|-----|--------|--------|-------|--------|-------|--------|-------|--------|--------|
|                |                       |       |      |      |     |     | HC     |        |       | HC     |       | HC     |       | HC     |        |
|                |                       |       |      |      |     |     | WKP255 | WKP355 | WXP40 | WSP45G | WXP40 | WSP45G | WAK15 | WKP255 | WKP355 |
|                | WOMX030204-B57        | 3     | 3,31 | 2,3  | 0,4 | 8°  | 84°    | ☉      | ☉     | ☉      | ☉     | ☉      | ☉     | ☉      | ☉      |
|                | WOMX040304-B57        | 3     | 4,2  | 3,2  | 0,4 | 8°  | 84°    | ☉      | ☉     | ☉      | ☉     | ☉      | ☉     | ☉      | ☉      |
|                | WOMX05T304-B57        | 3     | 5,29 | 3,8  | 0,4 | 8°  | 84°    | ☉      | ☉     | ☉      | ☉     | ☉      | ☉     | ☉      | ☉      |
|                | WOMX06T304-B57        | 3     | 6,62 | 3,8  | 0,4 | 8°  | 84°    | ☉      | ☉     | ☉      | ☉     | ☉      | ☉     | ☉      | ☉      |
|                | WOMX080408-B57        | 3     | 7,94 | 4,8  | 0,8 | 8°  | 84°    | ☉      | ☉     | ☉      | ☉     | ☉      | ☉     | ☉      | ☉      |
|                | WOMX100508-B57        | 3     | 9,92 | 5,3  | 0,8 | 8°  | 84°    | ☉      | ☉     | ☉      | ☉     | ☉      | ☉     | ☉      | ☉      |
| WOMX120608-B57 | 3                     | 11,64 | 6    | 0,8  | 8°  | 84° | ☉      | ☉      | ☉     | ☉      | ☉     | ☉      | ☉     | ☉      |        |
|                | WOMX030204-D57        | 3     | 3,31 | 2,3  | 0,4 | 8°  | 84°    | ☉      | ☉     | ☉      | ☉     | ☉      | ☉     | ☉      | ☉      |
|                | WOMX040304-D57        | 3     | 4,2  | 3,2  | 0,4 | 8°  | 84°    | ☉      | ☉     | ☉      | ☉     | ☉      | ☉     | ☉      | ☉      |
|                | WOMX05T304-D57        | 3     | 5,29 | 3,8  | 0,4 | 8°  | 84°    | ☉      | ☉     | ☉      | ☉     | ☉      | ☉     | ☉      | ☉      |
|                | WOMX06T304-D57        | 3     | 6,62 | 3,8  | 0,4 | 8°  | 84°    | ☉      | ☉     | ☉      | ☉     | ☉      | ☉     | ☉      | ☉      |
|                | WOMX080408-D57        | 3     | 7,94 | 4,8  | 0,8 | 8°  | 84°    | ☉      | ☉     | ☉      | ☉     | ☉      | ☉     | ☉      | ☉      |
|                | WOMX100508-D57        | 3     | 9,92 | 5,3  | 0,8 | 8°  | 84°    | ☉      | ☉     | ☉      | ☉     | ☉      | ☉     | ☉      | ☉      |
| WOMX120608-D57 | 3                     | 11,64 | 6    | 0,8  | 8°  | 84° | ☉      | ☉      | ☉     | ☉      | ☉     | ☉      | ☉     | ☉      |        |
|                | WOEX030204-E57        | 3     | 3,31 | 2,3  | 0,4 | 8°  | 84°    | ☉      | ☉     | ☉      | ☉     | ☉      | ☉     | ☉      | ☉      |
|                | WOEX040304-E57        | 3     | 4,2  | 3,2  | 0,4 | 8°  | 84°    | ☉      | ☉     | ☉      | ☉     | ☉      | ☉     | ☉      | ☉      |
|                | WOEX05T304-E57        | 3     | 5,29 | 3,8  | 0,4 | 8°  | 84°    | ☉      | ☉     | ☉      | ☉     | ☉      | ☉     | ☉      | ☉      |
|                | WOEX06T304-E57        | 3     | 6,62 | 3,8  | 0,4 | 8°  | 84°    | ☉      | ☉     | ☉      | ☉     | ☉      | ☉     | ☉      | ☉      |
|                | WOEX080408-E57        | 3     | 7,94 | 4,8  | 0,8 | 8°  | 84°    | ☉      | ☉     | ☉      | ☉     | ☉      | ☉     | ☉      | ☉      |
|                | WOEX100508-E57        | 3     | 9,92 | 5,3  | 0,8 | 8°  | 84°    | ☉      | ☉     | ☉      | ☉     | ☉      | ☉     | ☉      | ☉      |
| WOEX120608-E57 | 3                     | 11,64 | 6    | 0,8  | 8°  | 84° | ☉      | ☉      | ☉     | ☉      | ☉     | ☉      | ☉     | ☉      |        |

Пример заказа инструмента из сплава WKP355: WOMX030204-B57 WKP355  
 Пример заказа инструмента из сплава WSP45G: WOMX030204-B57 WSP45G

HC = твёрдый сплав с покрытием

# Пластины с задними углами, P6500



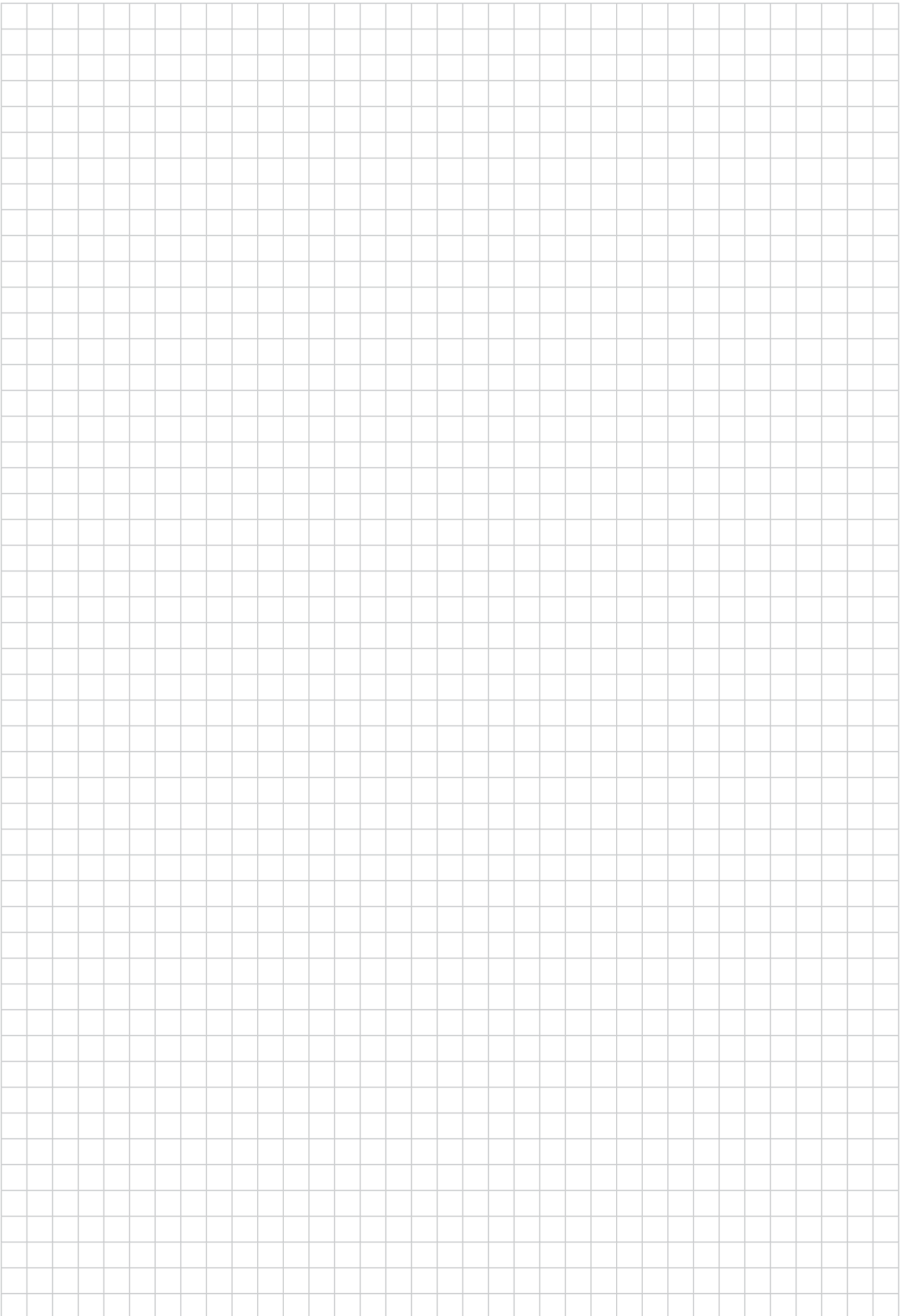
## Пластины

В1

| Обозначение | Кол-во режущих кромок | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | s<br>mm | Заборный конус | P K   |       |
|-------------|-----------------------|----------------------|----------------------|---------|----------------|-------|-------|
|             |                       |                      |                      |         |                | HC    | HC    |
|             |                       |                      |                      |         |                | WXP15 | WXP05 |
|             | P6500-1R-A88-E1       | 2                    | 20                   | 3       | 1,5            | E1    | ☺     |
|             | P6500-2R-A88-E1       | 2                    | 20                   | 4,5     | 4,5            | E1    | ☺     |
|             | P6500-4R-A88-E1       | 2                    | 25                   | 7       | 2,3            | E1    | ☺     |
|             | P6500-0R-B88-E1       | 2                    | 20                   | 2,5     | 1,2            | E1    | ☺     |
|             | P6500-1R-B88-E1       | 2                    | 20                   | 3       | 1,5            | E1    | ☺     |
|             | P6500-2R-B88-E1       | 2                    | 20                   | 4,5     | 4,5            | E1    | ☺     |
|             | P6500-4R-B88-E1       | 2                    | 25                   | 7       | 2,3            | E1    | ☺     |
|             | P6500-1R-B88-E5       | 2                    | 20                   | 3       | 1,5            | E5    | ☺     |
|             | P6500-2R-B88-E5       | 2                    | 20                   | 4,5     | 4,5            | E5    | ☺     |
|             | P6500-4R-B88-E5       | 2                    | 25                   | 7       | 2,3            | E5    | ☺     |

Пример заказа инструмента из сплава WXP15: P6500-1R-A88-E1 WXP15

HC = твёрдый сплав с покрытием

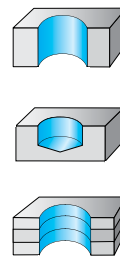
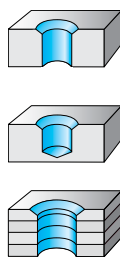


B1

## Свёрла с пластинами

B1

Вид обработки



Глубина сверления

 $2,5 \times D_C$ 
 $1,3 \times D_C$ 
 $3 \times D_C$ 
 $3 \times D_C$ 
 $5 \times D_C$ 


Обозначение

 D4240  
Drion-tec®

 D4140  
Drion-tec®

 D4140  
Drion-tec®

 D4140  
Drion-tec®

 D4140  
Drion-tec®

Рабочие режущие кромки

2

2

2

2

2

Диапазон Ø

[mm]

12–29

12–25,99

0,472–1,22

0,472–1,496

0,472–1,22

[inch]

P Сталь

●●

●●

●●

●●

●●

M Нержавеющая сталь

●●

●●

●●

●●

●●

K Чугун

●●

●●

●●

●●

●●

N Цветные металлы

●●

●●

●●

●●

●●

S Жаропрочные сплавы

●●

●●

●●

●●

●

H Материалы высокой твёрдости

O Прочее

Тип пластин



P600 .

Кол-во режущих кромок

1

1

1

1

1

Страница в каталоге

B 230

B 232

B 236

B 234

B 242

QR-код


[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

D4240

D4140

D4140

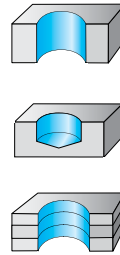
D4140

D4140



## Свёрла с пластинами

Вид обработки



|                   |                    |                    |                    |                     |
|-------------------|--------------------|--------------------|--------------------|---------------------|
| Глубина сверления | 5 x D <sub>C</sub> | 7 x D <sub>C</sub> | 7 x D <sub>C</sub> | 10 x D <sub>C</sub> |
|-------------------|--------------------|--------------------|--------------------|---------------------|



|             |                     |                     |                     |                     |
|-------------|---------------------|---------------------|---------------------|---------------------|
| Обозначение | D4140<br>Drion-tec® | D4140<br>Drion-tec® | D4140<br>Drion-tec® | D4140<br>Drion-tec® |
|-------------|---------------------|---------------------|---------------------|---------------------|

|                        |   |   |   |   |
|------------------------|---|---|---|---|
| Рабочие режущие кромки | 2 | 2 | 2 | 2 |
|------------------------|---|---|---|---|

|            |             |            |             |             |
|------------|-------------|------------|-------------|-------------|
| Диапазон Ø |             |            |             |             |
| [mm]       | 12–37,99    | 12–31,99   | 12–37,99    | 12–25,99    |
| [inch]     | 0,472–1,496 | 0,472–1,22 | 0,472–1,496 | 0,472–1,023 |

|                                      |    |    |    |    |
|--------------------------------------|----|----|----|----|
| <b>P</b> Сталь                       | ●● | ●● | ●● | ●● |
| <b>M</b> Нержавеющая сталь           | ●● | ●  | ●  | ●  |
| <b>K</b> Чугун                       | ●● | ●● | ●● | ●● |
| <b>N</b> Цветные металлы             | ●● | ●● | ●● | ●● |
| <b>S</b> Жаропрочные сплавы          | ●  | ●  | ●  | ●  |
| <b>H</b> Материалы высокой твердости |    |    |    |    |
| <b>O</b> Прочее                      |    |    |    |    |

Тип пластин



P600 .

|                       |   |   |   |   |
|-----------------------|---|---|---|---|
| Кол-во режущих кромок | 1 | 1 | 1 | 1 |
|-----------------------|---|---|---|---|

|                     |       |       |       |       |
|---------------------|-------|-------|-------|-------|
| Страница в каталоге | B 242 | B 250 | B 250 | B 256 |
|---------------------|-------|-------|-------|-------|

QR-код

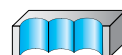
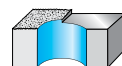
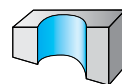


|  |       |       |       |       |
|--|-------|-------|-------|-------|
| <a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a> | D4140 | D4140 | D4140 | D4140 |
|--|-------|-------|-------|-------|

## Свёрла с пластинами

B1

Вид обработки



Глубина сверления

 3 x D<sub>C</sub>

 2 x D<sub>C</sub>

 3 x D<sub>C</sub>

 4 x D<sub>C</sub>

 5 x D<sub>C</sub>


Обозначение

 D4170  
Drion-tec®

 D4120  
Drion-tec®

 D4120  
Drion-tec®

 D4120  
Drion-tec®

 D4120  
Drion-tec®

Рабочие режущие кромки

1

1

1

1

1

Диапазон Ø

[mm]

65–80

13,5–59

13,5–59

16,5–59

16,5–59

[inch]

0,531–2,250

0,531–2,250

0,656–2,250

0,656–2,250

P Сталь

●●

●●

●●

●●

●●

M Нержавеющая сталь

●●

●●

●●

●

K Чугун

●●

●●

●●

●●

●●

N Цветные металлы

●●

●●

●●

●●

●●

S Жаропрочные сплавы

●●

●●

●●

●

H Материалы высокой твёрдости

O Прочее

Тип пластин



P484 .C



P484 .P

Кол-во режущих кромок

4

4

4

4

4

Страница в каталоге

B 296

B 264

B 274

B 266

B 266

QR-код


[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

D4170

D4120

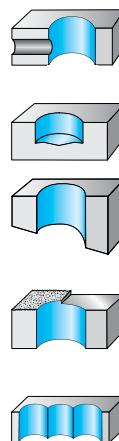
D4120

D4120

D4120

## Свёрла с пластинами

Вид обработки



|                   |                    |                    |                    |                    |                    |
|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Глубина сверления | 2 x D <sub>C</sub> | 3 x D <sub>C</sub> | 4 x D <sub>C</sub> | 2 x D <sub>C</sub> | 2 x D <sub>C</sub> |
|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|



|             |                     |                     |                     |       |       |
|-------------|---------------------|---------------------|---------------------|-------|-------|
| Обозначение | D3120<br>Drion-tec® | D3120<br>Drion-tec® | D3120<br>Drion-tec® | B3212 | B3212 |
|-------------|---------------------|---------------------|---------------------|-------|-------|

|                        |   |   |   |   |   |
|------------------------|---|---|---|---|---|
| Рабочие режущие кромки | 1 | 1 | 1 | 1 | 1 |
|------------------------|---|---|---|---|---|

Диапазон Ø

|        |       |             |             |       |             |
|--------|-------|-------------|-------------|-------|-------------|
| [mm]   | 16–42 | 16–58       | 16–42       | 10–18 |             |
| [inch] |       | 0,750–1,500 | 0,750–1,500 |       | 0,391–0,625 |

|                                      |    |    |    |    |    |
|--------------------------------------|----|----|----|----|----|
| <b>P</b> Сталь                       | ●● | ●● | ●● | ●● | ●● |
| <b>M</b> Нержавеющая сталь           | ●● | ●● | ●  | ●● | ●● |
| <b>K</b> Чугун                       | ●● | ●● | ●● | ●● | ●● |
| <b>N</b> Цветные металлы             | ●● | ●● | ●● | ●● | ●● |
| <b>S</b> Жаропрочные сплавы          | ●● | ●● | ●  | ●● | ●● |
| <b>H</b> Материалы высокой твердости |    |    |    |    |    |
| <b>O</b> Прочее                      |    |    |    |    |    |

Тип пластин



P284 S



LC

|                       |   |   |   |       |       |
|-----------------------|---|---|---|-------|-------|
| Кол-во режущих кромок | 4 | 4 | 4 | B 312 | B 314 |
|-----------------------|---|---|---|-------|-------|

|                     |       |       |       |       |       |
|---------------------|-------|-------|-------|-------|-------|
| Страница в каталоге | B 298 | B 300 | B 308 | B 312 | B 314 |
|---------------------|-------|-------|-------|-------|-------|

QR-код

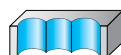
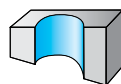


|                           |       |       |       |       |       |
|---------------------------|-------|-------|-------|-------|-------|
| www.walter-tools.com/woc/ | D3120 | D3120 | D3120 | B3212 | B3212 |
|---------------------------|-------|-------|-------|-------|-------|

## Свёрла с пластинами

B1

Вид обработки



Глубина сверления

 3 x D<sub>C</sub>

 3 x D<sub>C</sub>

 4 x D<sub>C</sub>


Обозначение

B3213

B3213

B3214

Рабочие режущие кромки

1

1

1

Диапазон Ø

[mm]

10–18

10–18

[inch]

0,391–0,64

P Сталь

●●

●●

M Нержавеющая сталь

●●

●●

K Чугун

●●

●●

●●

N Цветные металлы

●●

●●

●●

S Жаропрочные сплавы

●●

●●

H Материалы высокой твёрдости

O Прочее

Тип пластин



LC

Кол-во режущих кромок

B 316

B 316

B 320

Страница в каталоге

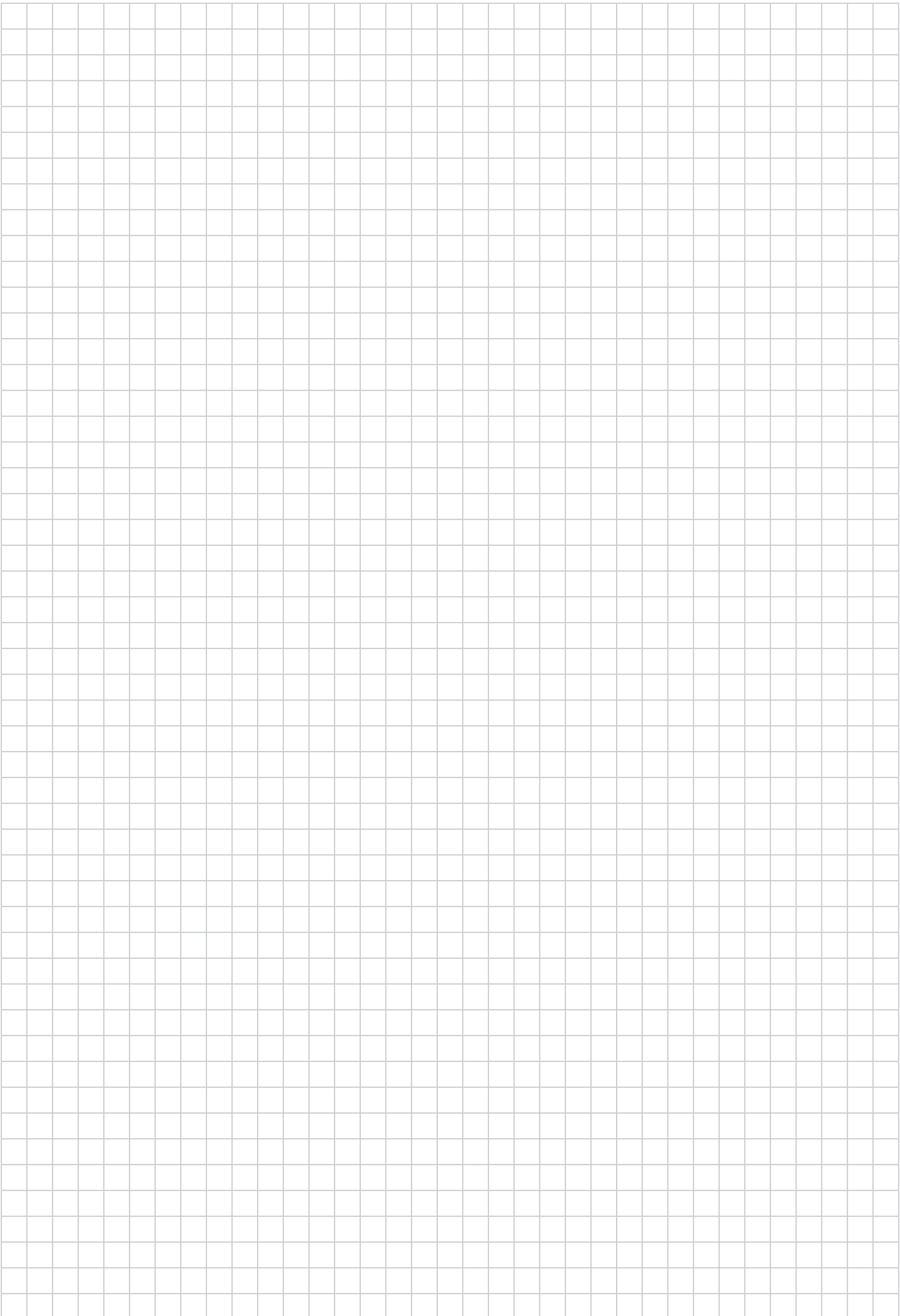
QR-код


[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

B3213

B3213

B3214



B1

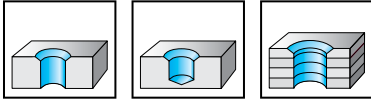
## Сверла с пластинами

 D4240 

Drion-tec®



B1

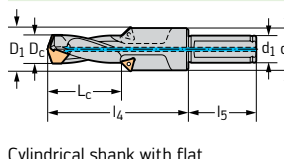


|                       |                  |     |      |     |
|-----------------------|------------------|-----|------|-----|
| $D_c$<br>12–<br>29,99 | $2,5 \times D_c$ | 90° | 140° | Z=2 |
|-----------------------|------------------|-----|------|-----|

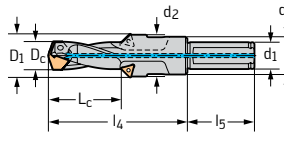
|       |    |    |    |    |    |   |   |
|-------|----|----|----|----|----|---|---|
|       | P  | M  | K  | N  | S  | H | O |
| D4240 | ●● | ●● | ●● | ●● | ●● |   |   |

## Инструмент

| Обозначение         | $D_c$<br>mm | $D_1$<br>mm | $L_c$<br>mm | $l_4$<br>mm | $l_5$<br>mm | $d_1$<br>mm | $d_4$<br>mm | kg   | Кол-во<br>пластин | Поса-<br>дочный<br>размер | Тип             |
|---------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------|-------------------|---------------------------|-----------------|
| D4240-02-12.00F20-A | 12          | 23,7        | 36,5        | 68          | 50          | 20          | 30          | 0,22 | 1                 | A                         | P600 . -D12, .. |
| D4240-02-14.00F20-B | 14          | 25,7        | 40,6        | 76          | 50          | 20          | 30          | 0,25 | 1                 | B                         | P600 . -D14, .. |
| D4240-02-15.00F20-B | 15          | 26,7        | 47,8        | 80          | 50          | 20          | 30          | 0,25 | 1                 | B                         | P600 . -D15, .. |
| D4240-02-17.00F20-C | 17          | 28,7        | 48,2        | 88          | 50          | 20          | 30          | 0,3  | 1                 | C                         | P600 . -D17, .. |
| D4240-02-19.00F20-D | 19          | 30,7        | 53,4        | 96          | 50          | 20          | 30          | 0,34 | 1                 | D                         | P600 . -D19, .. |
| D4240-02-21.00F20-E | 21          | 32,7        | 54,6        | 104         | 50          | 20          | 30          | 0,37 | 1                 | E                         | P600 . -D21, .. |
| D4240-02-24.00F25-G | 24          | 43,4        | 61,7        | 117         | 56          | 25          | 35          | 0,63 | 1                 | G                         | P600 . -D24, .. |
| D4240-02-26.00F25-H | 26          | 45,4        | 67,3        | 125         | 56          | 25          | 35          | 0,64 | 1                 | H                         | P600 . -D26, .. |
| D4240-02-29.00F32-J | 29          | 48,4        | 69,2        | 138         | 60          | 32          | 42          | 1,08 | 1                 | J                         | P600 . -D29, .. |



Cylindrical shank with flat



Cylindrical shank with flat

Корпус и сборочные детали входят в комплект поставки

### Сборочные детали

| D <sub>c</sub> [mm]                                      | 12                      | 14-15                   | 17                      | 19                      | 21                      | 24                     | 26                       | 29                       |
|--|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|--------------------------|--------------------------|
| Винт для технологического центра Р600.<br>Момент затяжки | FS1396 (T7IP)<br>1,2 Nm | FS1397 (T8IP)<br>2 Nm   | FS1398 (T8IP)<br>2 Nm   | FS1399 (T15IP)<br>4 Nm  | FS1400 (T20IP)<br>5 Nm  | FS1402 (T20IP)<br>5 Nm | FS1403 (T25IP)<br>5,5 Nm | FS1404 (T25IP)<br>5,5 Nm |
| Винт фасочной пластины TC..<br>Момент затяжки            | FS2061 (T7IP)<br>0,9 Nm | FS2061 (T7IP)<br>0,9 Nm | FS2061 (T7IP)<br>0,9 Nm | FS2061 (T7IP)<br>0,9 Nm | FS2061 (T7IP)<br>0,9 Nm | FS2063 (T15IP)<br>3 Nm | FS2063 (T15IP)<br>3 Nm   | FS2063 (T15IP)<br>3 Nm   |

### Комплектующие

| D <sub>c</sub> [mm]                | 12            | 14-17         | 19             | 21-24          | 26-29          |
|------------------------------------|---------------|---------------|----------------|----------------|----------------|
| Динамометрические воротки          |               |               |                |                | FS2041         |
| Динамометрический ключ, аналоговый | FS2001        | FS2003        | FS2003         | FS2003         |                |
| Вставка                            | FS2011 (T7IP) | FS2012 (T8IP) | FS2014 (T15IP) | FS2015 (T20IP) | FS2049 (T25IP) |
| Отвёртка                           | FS2088 (T7IP) | FS1483 (T8IP) | FS1485 (T15IP) | FS1486 (T20IP) | FS1487 (T25IP) |

### Сменные пластины

| Обозначение    | l mm | D <sub>c</sub> mm | r mm | P     |        | M     |        | K      |       | N      |        | S      |       |       |        |
|----------------|------|-------------------|------|-------|--------|-------|--------|--------|-------|--------|--------|--------|-------|-------|--------|
|                |      |                   |      | HC    | HC     | HC    | HC     | HC     | HC    | HC     | HC     |        |       |       |        |
|                |      |                   |      | WMP35 | WPP20G | WPP25 | WPP45C | WSM20S | WMP35 | WSM20S | WKK20S | WKK45C | WNN25 | WMP35 | WSM20S |
| P6001-D..      |      | 12-29,8           |      |       |        |       |        |        |       |        |        |        |       |       |        |
| P6003-D..      |      | 12-29,8           |      | ☞     |        |       |        |        |       |        |        |        |       |       |        |
| P6004-D..      |      | 12-29,5           |      |       |        |       |        |        |       |        |        |        |       |       |        |
| P6005-D..      |      | 12-29,8           |      |       |        |       |        |        |       |        | ☞      |        |       |       |        |
| P6006-D..      |      | 12-29,8           |      |       | ☞      |       |        |        |       |        |        |        |       |       |        |
| TCGT110208-MP4 | 11   |                   | 0,8  |       | ☞      |       |        |        |       |        |        |        |       |       |        |
| TCGT16T308-MK4 | 16,5 |                   | 0,8  |       |        |       |        |        |       |        |        |        |       |       |        |
| TCGT16T308-MM4 | 16,5 |                   | 0,8  |       |        |       |        |        |       |        |        |        |       |       | ☞      |
| TCMT110208-MK4 | 11   |                   | 0,8  |       |        |       |        |        |       |        |        |        |       |       |        |
| TCMT110208-MM4 | 11   |                   | 0,8  |       |        |       |        |        |       |        |        |        |       |       | ☞      |
| TCMT110208-MP4 | 11   |                   | 0,8  |       | ☞      |       |        |        |       |        |        |        |       |       |        |
| TCMT16T308-MK4 | 16,5 |                   | 0,8  |       |        |       |        |        |       |        |        |        |       |       |        |
| TCMT16T308-MM4 | 16,5 |                   | 0,8  |       |        |       |        |        |       |        |        |        |       |       | ☞      |
| TCMT16T308-MP4 | 16,5 |                   | 0,8  |       | ☞      |       |        |        |       |        |        |        |       |       |        |

HC = Coated carbide

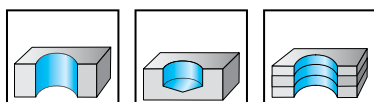
## Сверла с пластинами

 D4140 

Drion-tec®



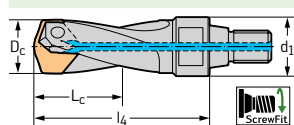
B1



|                       |                  |      |     |
|-----------------------|------------------|------|-----|
| $D_c$<br>12–<br>25,99 | $1,3 \times D_c$ | 140° | Z=2 |
|-----------------------|------------------|------|-----|

|       |    |    |    |    |    |   |   |
|-------|----|----|----|----|----|---|---|
|       | P  | M  | K  | N  | S  | H | O |
| D4140 | ●● | ●● | ●● | ●● | ●● |   |   |

## Инструмент



ScrewFit

| Обозначение         | $D_c$<br>mm | $L_c$<br>mm | $l_4$<br>mm | $d_1$ | Z | kg   | Кол-во<br>пластин | Поса-<br>дочный<br>размер | Тип             |
|---------------------|-------------|-------------|-------------|-------|---|------|-------------------|---------------------------|-----------------|
| D4140-01-12.00T14-A | 12          | 18          | 48          | T14   | 2 | 0,05 | 1                 | A                         | P600 . -D12, .. |
| D4140-01-13.00T14-A | 13          | 19          | 50          | T14   | 2 | 0,05 | 1                 | A                         | P600 . -D13, .. |
| D4140-01-14.00T14-B | 14          | 21          | 52          | T14   | 2 | 0,06 | 1                 | B                         | P600 . -D14, .. |
| D4140-01-15.00T18-B | 15          | 22          | 55          | T18   | 2 | 0,08 | 1                 | B                         | P600 . -D15, .. |
| D4140-01-16.00T18-C | 16          | 24          | 57          | T18   | 2 | 0,08 | 1                 | C                         | P600 . -D16, .. |
| D4140-01-17.00T18-C | 17          | 25          | 59          | T18   | 2 | 0,09 | 1                 | C                         | P600 . -D17, .. |
| D4140-01-18.00T18-D | 18          | 27          | 61          | T18   | 2 | 0,1  | 1                 | D                         | P600 . -D18, .. |
| D4140-01-19.00T22-D | 19          | 28          | 64          | T22   | 2 | 0,12 | 1                 | D                         | P600 . -D19, .. |
| D4140-01-20.00T22-E | 20          | 30          | 66          | T22   | 2 | 0,13 | 1                 | E                         | P600 . -D20, .. |
| D4140-01-21.00T22-E | 21          | 31          | 68          | T22   | 2 | 0,14 | 1                 | E                         | P600 . -D21, .. |
| D4140-01-22.00T22-F | 22          | 33          | 72          | T22   | 2 | 0,16 | 1                 | F                         | P600 . -D22, .. |
| D4140-01-23.00T28-F | 23          | 34          | 74          | T28   | 2 | 0,23 | 1                 | F                         | P600 . -D23, .. |
| D4140-01-24.00T28-G | 24          | 36          | 76          | T28   | 2 | 0,24 | 1                 | G                         | P600 . -D24, .. |
| D4140-01-25.00T28-G | 25          | 37          | 79          | T28   | 2 | 0,25 | 1                 | G                         | P600 . -D25, .. |

Корпус и сборочные детали входят в комплект поставки



### Сборочные детали

| D <sub>c</sub> [mm]                                | 12-13                   | 14-15                 | 16-17                 | 18-19                  | 20-21                  | 22-23                  | 24-25                  |
|--|-------------------------|-----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|
| Винт для технологического центра<br>Момент затяжки | FS1396 (T7IP)<br>1,2 Nm | FS1397 (T8IP)<br>2 Nm | FS1398 (T8IP)<br>2 Nm | FS1399 (T15IP)<br>4 Nm | FS1400 (T20IP)<br>5 Nm | FS1401 (T20IP)<br>5 Nm | FS1402 (T20IP)<br>5 Nm |

### Комплектующие

| D <sub>c</sub> [mm]                | 12-13         | 14-17         | 18-19          | 20-25          |
|------------------------------------|---------------|---------------|----------------|----------------|
| Динамометрический ключ, аналоговый | FS2001        | FS2003        | FS2003         | FS2003         |
| Вставка                            | FS2011 (T7IP) | FS2012 (T8IP) | FS2014 (T15IP) | FS2015 (T20IP) |
| Отвёртка                           | FS2088 (T7IP) | FS1483 (T8IP) | FS1485 (T15IP) | FS1486 (T20IP) |

### Сменные пластины

| Обозначение | D <sub>c</sub> mm | P     |       | M      | K      | N     | S     |
|-------------|-------------------|-------|-------|--------|--------|-------|-------|
|             |                   | WMP35 | WPP25 | WPP45C | WKK45C | WNN25 | WMP35 |
| P6001-D..   | 12-25,8           |       |       | ☺      |        |       |       |
| P6003-D..   | 12-25,8           | ☺     |       | ☺      |        |       | ☺     |
| P6004-D..   | 12-25,5           |       |       |        |        | ☺     |       |
| P6005-D..   | 12-25,8           |       |       |        | ☺      |       |       |
| P6006-D..   | 12-25,8           | ☺     |       |        |        |       |       |

HC = Coated carbide

B1

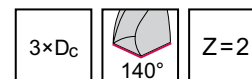
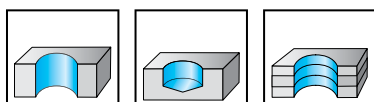
## Сверла с пластинами

 D4140 

Drion-tec®

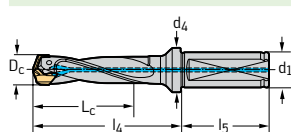


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|       |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|
|       | P | M | K | N | S | H | O |
| D4140 | ● | ● | ● | ● | ● |   |   |

## Инструмент




Cylindrical shank with flat

| Обозначение         | D <sub>c</sub><br>mm | L <sub>c</sub><br>mm | l <sub>4</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>mm | d <sub>4</sub><br>mm | kg   | Кол-во<br>пластин | Поса-<br>дочный<br>размер | Тип             |
|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|------|-------------------|---------------------------|-----------------|
| D4140-03-12.00F16-A | 12                   | 36                   | 68                   | 48                   | 16                   | 20                   | 0,13 | 1                 | A                         | P600 . -D12, .. |
| D4140-03-13.00F16-A | 13                   | 41                   | 72                   | 48                   | 16                   | 20                   | 0,14 | 1                 | A                         | P600 . -D13, .. |
| D4140-03-14.00F16-B | 14                   | 45                   | 76                   | 48                   | 16                   | 20                   | 0,13 | 1                 | B                         | P600 . -D14, .. |
| D4140-03-15.00F16-B | 15                   | 48                   | 80                   | 48                   | 16                   | 20                   | 0,15 | 1                 | B                         | P600 . -D15, .. |
| D4140-03-16.00F20-C | 16                   | 51                   | 84                   | 50                   | 20                   | 25                   | 0,2  | 1                 | C                         | P600 . -D16, .. |
| D4140-03-17.00F20-C | 17                   | 54                   | 88                   | 50                   | 20                   | 25                   | 0,22 | 1                 | C                         | P600 . -D17, .. |
| D4140-03-18.00F20-D | 18                   | 57                   | 92                   | 50                   | 20                   | 25                   | 0,25 | 1                 | D                         | P600 . -D18, .. |
| D4140-03-19.00F20-D | 19                   | 61                   | 96                   | 50                   | 20                   | 25                   | 0,26 | 1                 | D                         | P600 . -D19, .. |
| D4140-03-20.00F20-E | 20                   | 64                   | 100                  | 50                   | 20                   | 25                   | 0,28 | 1                 | E                         | P600 . -D20, .. |
| D4140-03-21.00F20-E | 21                   | 67                   | 104                  | 50                   | 20                   | 25                   | 0,27 | 1                 | E                         | P600 . -D21, .. |
| D4140-03-22.00F25-F | 22                   | 70                   | 109                  | 56                   | 25                   | 32                   | 0,44 | 1                 | F                         | P600 . -D22, .. |
| D4140-03-23.00F25-F | 23                   | 73                   | 113                  | 56                   | 25                   | 32                   | 0,46 | 1                 | F                         | P600 . -D23, .. |
| D4140-03-24.00F25-G | 24                   | 76                   | 117                  | 56                   | 25                   | 32                   | 0,48 | 1                 | G                         | P600 . -D24, .. |
| D4140-03-25.00F25-G | 25                   | 80                   | 121                  | 56                   | 25                   | 32                   | 0,5  | 1                 | G                         | P600 . -D25, .. |
| D4140-03-26.00F25-H | 26                   | 83                   | 125                  | 56                   | 25                   | 32                   | 0,52 | 1                 | H                         | P600 . -D26, .. |
| D4140-03-27.00F25-H | 27                   | 86                   | 129                  | 56                   | 25                   | 32                   | 0,55 | 1                 | H                         | P600 . -D27, .. |
| D4140-03-28.00F32-J | 28                   | 89                   | 134                  | 60                   | 32                   | 40                   | 0,76 | 1                 | J                         | P600 . -D28, .. |
| D4140-03-29.00F32-J | 29                   | 92                   | 138                  | 60                   | 32                   | 40                   | 0,85 | 1                 | J                         | P600 . -D29, .. |
| D4140-03-30.00F32-K | 30                   | 95                   | 142                  | 60                   | 32                   | 40                   | 0,89 | 1                 | K                         | P600 . -D30, .. |
| D4140-03-31.00F32-K | 31                   | 99                   | 146                  | 60                   | 32                   | 40                   | 0,92 | 1                 | K                         | P600 . -D31, .. |
| D4140-03-32.00F40-M | 32                   | 102                  | 150                  | 70                   | 40                   | 50                   | 1,31 | 1                 | M                         | P600 . -D32, .. |
| D4140-03-33.00F40-M | 33                   | 105                  | 154                  | 70                   | 40                   | 50                   | 1,38 | 1                 | M                         | P600 . -D33, .. |
| D4140-03-34.00F40-N | 34                   | 108                  | 158                  | 70                   | 40                   | 50                   | 1,37 | 1                 | N                         | P600 . -D34, .. |
| D4140-03-35.00F40-N | 35                   | 111                  | 162                  | 70                   | 40                   | 50                   | 1,43 | 1                 | N                         | P600 . -D35, .. |
| D4140-03-36.00F40-P | 36                   | 115                  | 166                  | 70                   | 40                   | 50                   | 1,46 | 1                 | P                         | P600 . -D36, .. |
| D4140-03-37.00F40-P | 37                   | 118                  | 170                  | 70                   | 40                   | 50                   | 1,54 | 1                 | P                         | P600 . -D37, .. |

Корпус и сборочные детали входят в комплект поставки

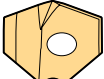
## Сборочные детали

| D <sub>c</sub> [mm]  | 12-13                      | 14-15                    | 16-17                    | 18-19                     | 20-21                     | 22-23                     | 24-25                     | 26-27                       | 28-33                       | 34-37                       |
|--|----------------------------|--------------------------|--------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-----------------------------|-----------------------------|-----------------------------|
|  Винт для технологического центра<br>Момент затяжки | FS1396<br>(T7IP)<br>1,2 Nm | FS1397<br>(T8IP)<br>2 Nm | FS1398<br>(T8IP)<br>2 Nm | FS1399<br>(T15IP)<br>4 Nm | FS1400<br>(T20IP)<br>5 Nm | FS1401<br>(T20IP)<br>5 Nm | FS1402<br>(T20IP)<br>5 Nm | FS1403<br>(T25IP)<br>5,5 Nm | FS1404<br>(T25IP)<br>5,5 Nm | FS2159<br>(T25IP)<br>5,5 Nm |

## Комплектующие

| D <sub>c</sub> [mm]  | 12-13         | 14-17         | 18-19          | 20-25          | 26-37          |
|--|---------------|---------------|----------------|----------------|----------------|
|  Динамометрические воротки          |               |               |                |                | FS2041         |
|  Динамометрический ключ, аналоговый | FS2001        | FS2003        | FS2003         | FS2003         |                |
|  Вставка                            | FS2011 (T7IP) | FS2012 (T8IP) | FS2014 (T15IP) | FS2015 (T20IP) | FS2049 (T25IP) |
|  Отвёртка                           | FS2088 (T7IP) | FS1483 (T8IP) | FS1485 (T15IP) | FS1486 (T20IP) | FS1487 (T25IP) |

## Сменные пластины

| Обозначение  | D <sub>c</sub><br>mm | P     |       | M      | K     | N      | S     |
|--|----------------------|-------|-------|--------|-------|--------|-------|
|  |                      | WMP35 | WPP25 | WPP45C | WMP35 | WKK45C | WNN25 |
|  P6001-D.. | 12-38                |       |       |        |       |        |       |
| P6003-D..  | 12-38                |       |       |        |       |        |       |
| P6004-D..  | 12-31,5              |       |       |        |       |        |       |
| P6005-D..  | 12-38                |       |       |        |       |        |       |
| P6006-D..  | 12-38                |       |       |        |       |        |       |

HC = Coated carbide

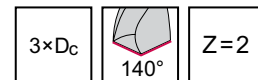
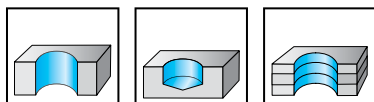
## Сверла с пластинами

 D4140 inch

Drion-tec®

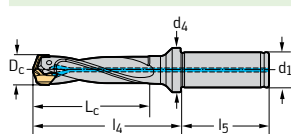


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|       |    |    |    |    |    |   |   |
|-------|----|----|----|----|----|---|---|
|       | P  | M  | K  | N  | S  | H | O |
| D4140 | ●● | ●● | ●● | ●● | ●● |   |   |

## Инструмент




Cylindrical shank with collar




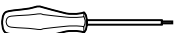
| Обозначение         | D <sub>c</sub><br>inch | L <sub>c</sub><br>inch | l <sub>4</sub><br>inch | l <sub>5</sub><br>inch | d <sub>1</sub><br>inch | d <sub>4</sub><br>inch | lbs   | Кол-во<br>пластин | Поса-<br>дочный<br>размер | Тип             |
|---------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------|-------------------|---------------------------|-----------------|
| D4140.03-12.00A15-A | 0,472                  | 1,496                  | 2,677                  | 1,890                  | 0,625                  | 0,787                  | 0,287 | 1                 | A                         | P600 . -D12, .. |
| D4140.03-13.00A15-A | 0,512                  | 1,614                  | 2,835                  | 1,890                  | 0,625                  | 0,787                  | 0,309 | 1                 | A                         | P600 . -D13, .. |
| D4140.03-14.00A15-B | 0,551                  | 1,772                  | 2,992                  | 1,890                  | 0,625                  | 0,787                  | 0,353 | 1                 | B                         | P600 . -D14, .. |
| D4140.03-15.00A15-B | 0,591                  | 1,890                  | 3,150                  | 1,890                  | 0,625                  | 0,787                  | 0,351 | 1                 | B                         | P600 . -D15, .. |
| D4140.03-16.00A19-C | 0,630                  | 2,008                  | 3,307                  | 2,031                  | 0,750                  | 0,984                  | 0,485 | 1                 | C                         | P600 . -D16, .. |
| D4140.03-17.00A19-C | 0,669                  | 2,126                  | 3,465                  | 2,031                  | 0,750                  | 0,984                  | 0,536 | 1                 | C                         | P600 . -D17, .. |
| D4140.03-18.00A19-D | 0,709                  | 2,244                  | 3,622                  | 2,031                  | 0,750                  | 0,984                  | 0,551 | 1                 | D                         | P600 . -D18, .. |
| D4140.03-19.00A19-D | 0,748                  | 2,362                  | 3,780                  | 2,031                  | 0,750                  | 0,984                  | 0,562 | 1                 | D                         | P600 . -D19, .. |
| D4140.03-20.00A19-E | 0,787                  | 2,48                   | 3,937                  | 2,031                  | 0,750                  | 0,984                  | 0,615 | 1                 | E                         | P600 . -D20, .. |
| D4140.03-21.00A19-E | 0,827                  | 2,598                  | 4,094                  | 2,031                  | 0,750                  | 0,984                  | 0,639 | 1                 | E                         | P600 . -D21, .. |
| D4140.03-22.00A26-F | 0,866                  | 2,756                  | 4,291                  | 2,281                  | 1,000                  | 1,260                  | 1,019 | 1                 | F                         | P600 . -D22, .. |
| D4140.03-24.00A26-G | 0,945                  | 2,992                  | 4,606                  | 2,281                  | 1,000                  | 1,260                  | 1,257 | 1                 | G                         | P600 . -D24, .. |
| D4140.03-26.00A26-H | 1,024                  | 3,268                  | 4,921                  | 2,281                  | 1,000                  | 1,260                  | 1,213 | 1                 | H                         | P600 . -D26, .. |
| D4140.03-28.00A31-J | 1,102                  | 3,504                  | 5,276                  | 2,281                  | 1,250                  | 1,575                  | 1,786 | 1                 | J                         | P600 . -D28, .. |
| D4140.03-30.00A31-K | 1,181                  | 3,74                   | 5,591                  | 2,281                  | 1,250                  | 1,575                  | 1,94  | 1                 | K                         | P600 . -D30, .. |

Корпус и сборочные детали входят в комплект поставки

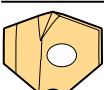
### Сборочные детали

| D <sub>c</sub> [inch]  | 0,472–0,512                | 0,551–0,591                | 0,63–0,669                 | 0,709–0,748                | 0,787–0,827                 | 0,866                       | 0,945                       | 1,024                       | 1,102–1,181                 |
|--|----------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
|  Винт для технологического центра<br>Момент затяжки | FS1396 (T7IP)<br>0,885 lbs | FS1397 (T8IP)<br>1,475 lbs | FS1398 (T8IP)<br>1,475 lbs | FS1399 (T15IP)<br>2,95 lbs | FS1400 (T20IP)<br>3,688 lbs | FS1401 (T20IP)<br>3,688 lbs | FS1402 (T20IP)<br>3,688 lbs | FS1403 (T25IP)<br>4,057 lbs | FS1404 (T25IP)<br>4,057 lbs |

### Комплектующие

| D <sub>c</sub> [inch]  | 0,472–0,512   | 0,551–0,669   | 0,709–0,748    | 0,787–0,945    | 1,024–1,181    |
|--|---------------|---------------|----------------|----------------|----------------|
|  Динамометрические воротки          |               |               |                |                | FS2042         |
|  Динамометрический ключ, аналоговый | FS2002        | FS2004        | FS2004         | FS2004         |                |
|  Вставка                            | FS2011 (T7IP) | FS2012 (T8IP) | FS2014 (T15IP) | FS2015 (T20IP) | FS2049 (T25IP) |
|  Отвёртка                           | FS2088 (T7IP) | FS1483 (T8IP) | FS1485 (T15IP) | FS1486 (T20IP) | FS1487 (T25IP) |

### Сменные пластины

| Обозначение  | D <sub>c</sub> inch | P     |       | M      | K      | N     | S     |
|--|---------------------|-------|-------|--------|--------|-------|-------|
|  |                     | WMP35 | WPP25 | WPP45C | WKK45C | WNN25 | WMP35 |
|  P6001-D.. | 0,472–1,201         |       |       |        |        |       |       |
| P6003-D..  | 0,472–1,201         |       |       |        |        |       |       |
| P6004-D..  | 0,472–1,201         |       |       |        |        |       |       |
| P6005-D..  | 0,472–1,201         |       |       |        |        |       |       |
| P6006-D..  | 0,472–1,201         |       |       |        |        |       |       |

HC = Coated carbide

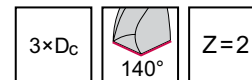
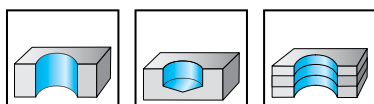
## Сверла с пластинами

 D4140 inch

Drion-tec®

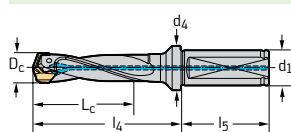


B1



|       |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|
|       | P | M | K | N | S | H | O |
| D4140 | ● | ● | ● | ● | ● |   |   |

## Инструмент




Cylindrical shank with flat




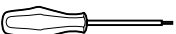
| Обозначение         | D <sub>c</sub><br>inch | L <sub>c</sub><br>inch | l <sub>4</sub><br>inch | l <sub>5</sub><br>inch | d <sub>1</sub><br>inch | d <sub>4</sub><br>inch | lbs   | Кол-во<br>пластин | Поса-<br>дочный<br>размер | Тип             |
|---------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------|-------------------|---------------------------|-----------------|
| D4140.03-12.00F15-A | 0,472                  | 1,496                  | 2,677                  | 1,890                  | 0,625                  | 0,787                  | 0,311 | 1                 | A                         | P600 . -D12, .. |
| D4140.03-13.00F15-A | 0,512                  | 1,614                  | 2,835                  | 1,890                  | 0,625                  | 0,787                  | 0,322 | 1                 | A                         | P600 . -D13, .. |
| D4140.03-14.00F15-B | 0,551                  | 1,772                  | 2,992                  | 1,890                  | 0,625                  | 0,787                  | 0,282 | 1                 | B                         | P600 . -D14, .. |
| D4140.03-15.00F15-B | 0,591                  | 1,890                  | 3,150                  | 1,890                  | 0,625                  | 0,787                  | 0,359 | 1                 | B                         | P600 . -D15, .. |
| D4140.03-16.00F19-C | 0,630                  | 2,008                  | 3,307                  | 2,031                  | 0,750                  | 0,984                  | 0,485 | 1                 | C                         | P600 . -D16, .. |
| D4140.03-17.00F19-C | 0,669                  | 2,126                  | 3,465                  | 2,031                  | 0,750                  | 0,984                  | 0,507 | 1                 | C                         | P600 . -D17, .. |
| D4140.03-18.00F19-D | 0,709                  | 2,244                  | 3,622                  | 2,031                  | 0,750                  | 0,984                  | 0,538 | 1                 | D                         | P600 . -D18, .. |
| D4140.03-19.00F19-D | 0,748                  | 2,362                  | 3,780                  | 2,031                  | 0,750                  | 0,984                  | 0,569 | 1                 | D                         | P600 . -D19, .. |
| D4140.03-20.00F19-E | 0,787                  | 2,520                  | 3,937                  | 2,031                  | 0,750                  | 0,984                  | 0,602 | 1                 | E                         | P600 . -D20, .. |
| D4140.03-21.00F19-E | 0,827                  | 2,638                  | 4,094                  | 2,031                  | 0,750                  | 0,984                  | 0,635 | 1                 | E                         | P600 . -D21, .. |
| D4140.03-22.00F26-F | 0,866                  | 2,756                  | 4,291                  | 2,281                  | 1,000                  | 1,260                  | 0,999 | 1                 | F                         | P600 . -D22, .. |
| D4140.03-23.00F26-F | 0,906                  | 2,874                  | 4,449                  | 2,281                  | 1,000                  | 1,260                  | 1,045 | 1                 | F                         | P600 . -D23, .. |
| D4140.03-24.00F26-G | 0,945                  | 2,992                  | 4,606                  | 2,281                  | 1,000                  | 1,260                  | 1,082 | 1                 | G                         | P600 . -D24, .. |
| D4140.03-25.00F26-G | 0,984                  | 3,150                  | 4,764                  | 2,281                  | 1,000                  | 1,260                  | 1,133 | 1                 | G                         | P600 . -D25, .. |
| D4140.03-26.00F26-H | 1,024                  | 3,268                  | 4,921                  | 2,281                  | 1,000                  | 1,260                  | 1,184 | 1                 | H                         | P600 . -D26, .. |
| D4140.03-27.00F26-H | 1,063                  | 3,386                  | 5,079                  | 2,281                  | 1,000                  | 1,260                  | 1,265 | 1                 | H                         | P600 . -D27, .. |
| D4140.03-28.00F31-J | 1,102                  | 3,504                  | 5,276                  | 2,281                  | 1,250                  | 1,575                  | 1,706 | 1                 | J                         | P600 . -D28, .. |
| D4140.03-29.00F31-J | 1,142                  | 3,622                  | 5,433                  | 2,281                  | 1,250                  | 1,575                  | 1,843 | 1                 | J                         | P600 . -D29, .. |
| D4140.03-30.00F31-K | 1,181                  | 3,74                   | 5,591                  | 2,281                  | 1,250                  | 1,575                  | 1,905 | 1                 | K                         | P600 . -D30, .. |
| D4140.03-31.00F31-K | 1,22                   | 3,898                  | 5,748                  | 2,281                  | 1,250                  | 1,575                  | 1,973 | 1                 | K                         | P600 . -D31, .. |
| D4140.03-32.00F31-M | 1,260                  | 4,016                  | 5,906                  | 2,281                  | 1,250                  | 1,575                  | 2,006 | 1                 | M                         | P600 . -D32, .. |
| D4140.03-33.00F31-M | 1,299                  | 4,134                  | 6,063                  | 2,281                  | 1,250                  | 1,575                  | 2,083 | 1                 | M                         | P600 . -D33, .. |
| D4140.03-34.00F38-N | 1,339                  | 4,252                  | 6,22                   | 2,688                  | 1,500                  | 1,969                  | 2,806 | 1                 | N                         | P600 . -D34, .. |
| D4140.03-35.00F38-N | 1,378                  | 4,37                   | 6,378                  | 2,688                  | 1,500                  | 1,969                  | 2,989 | 1                 | N                         | P600 . -D35, .. |
| D4140.03-36.00F38-P | 1,417                  | 4,528                  | 6,535                  | 2,688                  | 1,500                  | 1,969                  | 2,954 | 1                 | P                         | P600 . -D36, .. |
| D4140.03-37.00F38-P | 1,457                  | 4,646                  | 6,693                  | 2,688                  | 1,500                  | 1,969                  | 3,153 | 1                 | P                         | P600 . -D37, .. |

Корпус и сборочные детали входят в комплект поставки

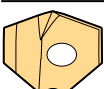
## Сборочные детали

| D <sub>c</sub> [inch]   |  | 0,472–0,512                | 0,551–0,591                | 0,63–0,669                 | 0,709–0,748                | 0,787–0,827                 | 0,866–0,906                 | 0,945–0,984                 | 1,024–1,063                 | 1,102–1,299                 | 1,339–1,457                 |
|---|--|----------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
|  | Винт для технологического центра<br>Момент затяжки | FS1396 (T7IP)<br>0,885 lbs | FS1397 (T8IP)<br>1,475 lbs | FS1398 (T8IP)<br>1,475 lbs | FS1399 (T15IP)<br>2,95 lbs | FS1400 (T20IP)<br>3,688 lbs | FS1401 (T20IP)<br>3,688 lbs | FS1402 (T20IP)<br>3,688 lbs | FS1403 (T25IP)<br>4,057 lbs | FS1404 (T25IP)<br>4,057 lbs | FS2159 (T25IP)<br>4,057 lbs |

## Комплектующие

| D <sub>c</sub> [inch]   |                                    | 0,472–0,512   | 0,551–0,669   | 0,709–0,748    | 0,787–0,984    | 1,024–1,457    |
|---|------------------------------------|---------------|---------------|----------------|----------------|----------------|
|  | Динамометрические воротки          |               |               |                |                | FS2042         |
|  | Динамометрический ключ, аналоговый | FS2002        | FS2004        | FS2004         | FS2004         |                |
|  | Вставка                            | FS2011 (T7IP) | FS2012 (T8IP) | FS2014 (T15IP) | FS2015 (T20IP) | FS2049 (T25IP) |
|  | Отвёртка                           | FS2088 (T7IP) | FS1483 (T8IP) | FS1485 (T15IP) | FS1486 (T20IP) | FS1487 (T25IP) |

## Сменные пластины

| Обозначение  | D <sub>c</sub><br>inch | P     |       | M      |       | K      |       | N     |    | S  |    |
|--|------------------------|-------|-------|--------|-------|--------|-------|-------|----|----|----|
|  |                        | HC    | HC    | HC     | HC    | HC     | HC    | HC    | HC | HC | HC |
|  |                        | WMP35 | WPP25 | WPP45C | WMP35 | WKK45C | WNN25 | WMP35 |    |    |    |
|  | P6001-D..              |       |       | ☺      |       |        |       |       |    |    |    |
|  | P6003-D..              | ☺     |       |        | ☺     |        |       |       |    | ☺  |    |
|  | P6004-D..              |       |       |        |       |        |       |       |    | ☺  |    |
|  | P6005-D..              |       |       |        |       |        | ☺     |       |    |    |    |
|  | P6006-D..              |       | ☺     |        |       |        |       |       |    |    |    |

HC = Coated carbide

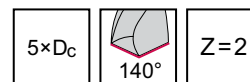
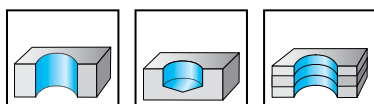
## Сверла с пластинами

 D4140 

Drion-tec®

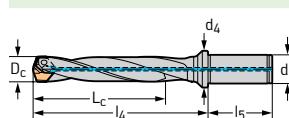


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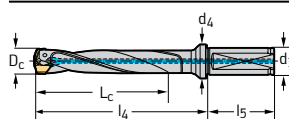
|   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|
| P | M | K | N | S | H | O |
| ● | ● | ● | ● | ● |   |   |

## Инструмент



Cylindrical shank with collar

| Обозначение         | D <sub>c</sub><br>mm | L <sub>c</sub><br>mm | l <sub>4</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>mm | d <sub>4</sub><br>mm | kg   | Кол-во<br>пластин | Посадочный<br>размер | Тип             |
|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|------|-------------------|----------------------|-----------------|
| D4140-05-12.00A16-A | 12                   | 62                   | 92                   | 48                   | 16                   | 20                   | 0,15 | 1                 | A                    | P600 . -D12, .. |
| D4140-05-13.00A16-A | 13                   | 67                   | 98                   | 48                   | 16                   | 20                   | 0,16 | 1                 | A                    | P600 . -D13, .. |
| D4140-05-14.00A16-B | 14                   | 73                   | 104                  | 48                   | 16                   | 20                   | 0,15 | 1                 | B                    | P600 . -D14, .. |
| D4140-05-15.00A16-B | 15                   | 78                   | 110                  | 48                   | 16                   | 20                   | 0,16 | 1                 | B                    | P600 . -D15, .. |
| D4140-05-16.00A20-C | 16                   | 83                   | 116                  | 50                   | 20                   | 25                   | 0,26 | 1                 | C                    | P600 . -D16, .. |
| D4140-05-17.00A20-C | 17                   | 88                   | 122                  | 50                   | 20                   | 25                   | 0,26 | 1                 | C                    | P600 . -D17, .. |
| D4140-05-18.00A20-D | 18                   | 93                   | 128                  | 50                   | 20                   | 25                   | 0,3  | 1                 | D                    | P600 . -D18, .. |
| D4140-05-19.00A20-D | 19                   | 98                   | 134                  | 50                   | 20                   | 25                   | 0,29 | 1                 | D                    | P600 . -D19, .. |
| D4140-05-20.00A20-E | 20                   | 104                  | 140                  | 50                   | 20                   | 25                   | 0,34 | 1                 | E                    | P600 . -D20, .. |
| D4140-05-21.00A20-E | 21                   | 109                  | 146                  | 50                   | 20                   | 25                   | 0,38 | 1                 | E                    | P600 . -D21, .. |
| D4140-05-22.00A25-F | 22                   | 114                  | 153                  | 56                   | 25                   | 32                   | 0,53 | 1                 | F                    | P600 . -D22, .. |
| D4140-05-23.00A25-F | 23                   | 119                  | 159                  | 56                   | 25                   | 32                   | 0,56 | 1                 | F                    | P600 . -D23, .. |
| D4140-05-24.00A25-G | 24                   | 124                  | 165                  | 56                   | 25                   | 32                   | 0,59 | 1                 | G                    | P600 . -D24, .. |
| D4140-05-25.00A25-G | 25                   | 130                  | 171                  | 56                   | 25                   | 32                   | 0,62 | 1                 | G                    | P600 . -D25, .. |
| D4140-05-26.00A25-H | 26                   | 135                  | 177                  | 56                   | 25                   | 32                   | 0,6  | 1                 | H                    | P600 . -D26, .. |
| D4140-05-27.00A25-H | 27                   | 140                  | 183                  | 56                   | 25                   | 32                   | 0,7  | 1                 | H                    | P600 . -D27, .. |
| D4140-05-28.00A32-J | 28                   | 145                  | 190                  | 60                   | 32                   | 40                   | 0,8  | 1                 | J                    | P600 . -D28, .. |
| D4140-05-29.00A32-J | 29                   | 150                  | 196                  | 60                   | 32                   | 40                   | 1    | 1                 | J                    | P600 . -D29, .. |
| D4140-05-30.00A32-K | 30                   | 155                  | 202                  | 60                   | 32                   | 40                   | 1    | 1                 | K                    | P600 . -D30, .. |
| D4140-05-31.00A32-K | 31                   | 161                  | 208                  | 60                   | 32                   | 40                   | 1,14 | 1                 | K                    | P600 . -D31, .. |



Cylindrical shank with flat

|                     |    |     |     |    |    |    |      |   |   |                 |
|---------------------|----|-----|-----|----|----|----|------|---|---|-----------------|
| D4140-05-12.00F16-A | 12 | 62  | 92  | 48 | 16 | 20 | 0,14 | 1 | A | P600 . -D12, .. |
| D4140-05-13.00F16-A | 13 | 67  | 98  | 48 | 16 | 20 | 0,14 | 1 | A | P600 . -D13, .. |
| D4140-05-14.00F16-B | 14 | 73  | 104 | 48 | 16 | 20 | 0,16 | 1 | B | P600 . -D14, .. |
| D4140-05-15.00F16-B | 15 | 78  | 110 | 48 | 16 | 20 | 0,18 | 1 | B | P600 . -D15, .. |
| D4140-05-16.00F20-C | 16 | 83  | 116 | 50 | 20 | 25 | 0,24 | 1 | C | P600 . -D16, .. |
| D4140-05-17.00F20-C | 17 | 88  | 122 | 50 | 20 | 25 | 0,25 | 1 | C | P600 . -D17, .. |
| D4140-05-18.00F20-D | 18 | 93  | 128 | 50 | 20 | 25 | 0,29 | 1 | D | P600 . -D18, .. |
| D4140-05-19.00F20-D | 19 | 98  | 134 | 50 | 20 | 25 | 0,28 | 1 | D | P600 . -D19, .. |
| D4140-05-20.00F20-E | 20 | 104 | 140 | 50 | 20 | 25 | 0,31 | 1 | E | P600 . -D20, .. |
| D4140-05-21.00F20-E | 21 | 109 | 146 | 50 | 20 | 25 | 0,37 | 1 | E | P600 . -D21, .. |
| D4140-05-22.00F25-F | 22 | 114 | 153 | 56 | 25 | 32 | 0,53 | 1 | F | P600 . -D22, .. |
| D4140-05-23.00F25-F | 23 | 119 | 159 | 56 | 25 | 32 | 0,56 | 1 | F | P600 . -D23, .. |
| D4140-05-24.00F25-G | 24 | 124 | 165 | 56 | 25 | 32 | 0,59 | 1 | G | P600 . -D24, .. |
| D4140-05-25.00F25-G | 25 | 130 | 171 | 56 | 25 | 32 | 0,62 | 1 | G | P600 . -D25, .. |
| D4140-05-26.00F25-H | 26 | 135 | 177 | 56 | 25 | 32 | 0,65 | 1 | H | P600 . -D26, .. |


Корпус и сборочные детали входят в комплект поставки

WALTER SELECT

Жёсткость станка, закрепления инструмента и заготовки → очень хорошая = 😊 → хорошая = 😊 → средняя = 😊



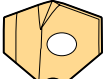
### Сборочные детали

| D <sub>c</sub> [mm]  | 12-13                   | 14-15                 | 16-17                 | 18-19                  | 20-21                  | 22-23                  | 24-25                  | 26-27                    | 28-33                    | 34-37                    |
|--|-------------------------|-----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|--------------------------|--------------------------|--------------------------|
|  Винт для технологического центра<br>Момент затяжки | FS1396 (T7IP)<br>1,2 Nm | FS1397 (T8IP)<br>2 Nm | FS1398 (T8IP)<br>2 Nm | FS1399 (T15IP)<br>4 Nm | FS1400 (T20IP)<br>5 Nm | FS1401 (T20IP)<br>5 Nm | FS1402 (T20IP)<br>5 Nm | FS1403 (T25IP)<br>5,5 Nm | FS1404 (T25IP)<br>5,5 Nm | FS2159 (T25IP)<br>5,5 Nm |

### Комплектующие

| D <sub>c</sub> [mm]  | 12-13         | 14-17         | 18-19          | 20-25          | 26-37          |
|--|---------------|---------------|----------------|----------------|----------------|
|  Динамометрические воротки          |               |               |                |                | FS2041         |
|  Динамометрический ключ, аналоговый | FS2001        | FS2003        | FS2003         | FS2003         |                |
|  Вставка                            | FS2011 (T7IP) | FS2012 (T8IP) | FS2014 (T15IP) | FS2015 (T20IP) | FS2049 (T25IP) |
|  Отвёртка                           | FS2088 (T7IP) | FS1483 (T8IP) | FS1485 (T15IP) | FS1486 (T20IP) | FS1487 (T25IP) |

### Сменные пластины

| Обозначение  | D <sub>c</sub> mm | P     |       | M      |       | K      |       | N     |  | S  |  |
|--|-------------------|-------|-------|--------|-------|--------|-------|-------|--|----|--|
|  |                   | HC    |       | HC     |       | HC     |       | HC    |  | HC |  |
|  |                   | WMP35 | WPP25 | WPP45C | WMP35 | WKK45C | WNN25 | WMP35 |  |    |  |
|  P6001-D.. | 12-38             |       |       |        |       |        |       |       |  |    |  |
| P6003-D..  | 12-38             |       |       |        |       |        |       |       |  |    |  |
| P6004-D..  | 12-31,5           |       |       |        |       |        |       |       |  |    |  |
| P6005-D..  | 12-38             |       |       |        |       |        |       |       |  |    |  |
| P6006-D..  | 12-38             |       |       |        |       |        |       |       |  |    |  |

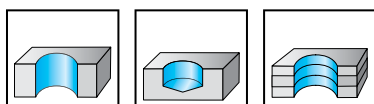
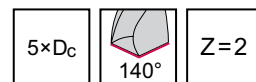
HC = Coated carbide

B1

## Сверла с пластинами

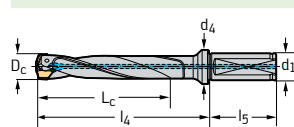
 D4140 

Drion-tec®



|       |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|
|       | P | M | K | N | S | H | O |
| D4140 | ● | ● | ● | ● | ● |   |   |

## Инструмент




Cylindrical shank with flat




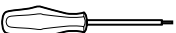
| Обозначение         | Dc<br>mm | Lc<br>mm | l <sub>4</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>mm | d <sub>4</sub><br>mm | kg   | Кол-во<br>пластин | Посадочный<br>размер | Тип             |
|---------------------|----------|----------|----------------------|----------------------|----------------------|----------------------|------|-------------------|----------------------|-----------------|
| D4140-05-27.00F25-H | 27       | 140      | 183                  | 56                   | 25                   | 32                   | 0,69 | 1                 | H                    | P600 . -D27, .. |
| D4140-05-28.00F32-J | 28       | 145      | 190                  | 60                   | 32                   | 40                   | 0,97 | 1                 | J                    | P600 . -D28, .. |
| D4140-05-29.00F32-J | 29       | 150      | 196                  | 60                   | 32                   | 40                   | 1    | 1                 | J                    | P600 . -D29, .. |
| D4140-05-30.00F32-K | 30       | 155      | 202                  | 60                   | 32                   | 40                   | 1,05 | 1                 | K                    | P600 . -D30, .. |
| D4140-05-31.00F32-K | 31       | 161      | 208                  | 60                   | 32                   | 40                   | 1,12 | 1                 | K                    | P600 . -D31, .. |
| D4140-05-32.00F40-M | 32       | 166      | 214                  | 70                   | 40                   | 50                   | 1,51 | 1                 | M                    | P600 . -D32, .. |
| D4140-05-33.00F40-M | 33       | 171      | 220                  | 70                   | 40                   | 50                   | 1,55 | 1                 | M                    | P600 . -D33, .. |
| D4140-05-34.00F40-N | 34       | 176      | 226                  | 70                   | 40                   | 50                   | 1,61 | 1                 | N                    | P600 . -D34, .. |
| D4140-05-35.00F40-N | 35       | 181      | 232                  | 70                   | 40                   | 50                   | 1,66 | 1                 | N                    | P600 . -D35, .. |
| D4140-05-36.00F40-P | 36       | 187      | 238                  | 70                   | 40                   | 50                   | 1,72 | 1                 | P                    | P600 . -D36, .. |
| D4140-05-37.00F40-P | 37       | 192      | 244                  | 70                   | 40                   | 50                   | 1,78 | 1                 | P                    | P600 . -D37, .. |

Корпус и сборочные детали входят в комплект поставки

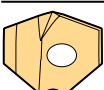
## Сборочные детали

| D <sub>c</sub> [mm]  | 12-13                      | 14-15                    | 16-17                    | 18-19                     | 20-21                     | 22-23                     | 24-25                     | 26-27                       | 28-33                       | 34-37                       |
|--|----------------------------|--------------------------|--------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-----------------------------|-----------------------------|-----------------------------|
|  Винт для технологического центра<br>Момент затяжки | FS1396<br>(T7IP)<br>1,2 Nm | FS1397<br>(T8IP)<br>2 Nm | FS1398<br>(T8IP)<br>2 Nm | FS1399<br>(T15IP)<br>4 Nm | FS1400<br>(T20IP)<br>5 Nm | FS1401<br>(T20IP)<br>5 Nm | FS1402<br>(T20IP)<br>5 Nm | FS1403<br>(T25IP)<br>5,5 Nm | FS1404<br>(T25IP)<br>5,5 Nm | FS2159<br>(T25IP)<br>5,5 Nm |

## Комплектующие

| D <sub>c</sub> [mm]  | 12-13         | 14-17         | 18-19          | 20-25          | 26-37          |
|--|---------------|---------------|----------------|----------------|----------------|
|  Динамометрические воротки          |               |               |                |                | FS2041         |
|  Динамометрический ключ, аналоговый | FS2001        | FS2003        | FS2003         | FS2003         |                |
|  Вставка                            | FS2011 (T7IP) | FS2012 (T8IP) | FS2014 (T15IP) | FS2015 (T20IP) | FS2049 (T25IP) |
|  Отвёртка                           | FS2088 (T7IP) | FS1483 (T8IP) | FS1485 (T15IP) | FS1486 (T20IP) | FS1487 (T25IP) |

## Сменные пластины

| Обозначение  | D <sub>c</sub><br>mm | P     |       | M      |       | K      |       | N     |  | S  |  |
|--|----------------------|-------|-------|--------|-------|--------|-------|-------|--|----|--|
|  |                      | HC    |       | HC     |       | HC     |       | HC    |  | HC |  |
|  |                      | WMP35 | WPP25 | WPP45C | WMP35 | WKK45C | WNN25 | WMP35 |  |    |  |
|  P6001-D.. | 12-38                |       |       |        |       |        |       |       |  |    |  |
| P6003-D..  | 12-38                |       |       |        |       |        |       |       |  |    |  |
| P6004-D..  | 12-31,5              |       |       |        |       |        |       |       |  |    |  |
| P6005-D..  | 12-38                |       |       |        |       |        |       |       |  |    |  |
| P6006-D..  | 12-38                |       |       |        |       |        |       |       |  |    |  |

HC = Coated carbide

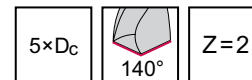
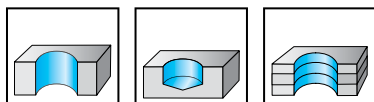
## Сверла с пластинами

 D4140 inch

Drion-tec®



B1



|       |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|
|       | P | M | K | N | S | H | O |
| D4140 | ● | ● | ● | ● | ● |   |   |


## Инструмент

| Обозначение         | D <sub>c</sub><br>inch | L <sub>c</sub><br>inch | l <sub>4</sub><br>inch | l <sub>5</sub><br>inch | d <sub>1</sub><br>inch | d <sub>4</sub><br>inch | lbs   | Кол-во<br>пластин | Посадочный<br>размер | Тип             |
|---------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------|-------------------|----------------------|-----------------|
| D4140.05-12.00A15-A | 0,472                  | 2,441                  | 3,622                  | 1,890                  | 0,625                  | 0,787                  | 0,348 | 1                 | A                    | P600 . -D12, .. |
| D4140.05-13.00A15-A | 0,512                  | 2,638                  | 3,858                  | 1,890                  | 0,625                  | 0,787                  | 0,37  | 1                 | A                    | P600 . -D13, .. |
| D4140.05-14.00A15-B | 0,551                  | 2,874                  | 4,094                  | 1,890                  | 0,625                  | 0,787                  | 0,39  | 1                 | B                    | P600 . -D14, .. |
| D4140.05-15.00A15-B | 0,591                  | 3,071                  | 4,331                  | 1,890                  | 0,625                  | 0,787                  | 0,417 | 1                 | B                    | P600 . -D15, .. |
| D4140.05-16.00A19-C | 0,630                  | 3,268                  | 4,567                  | 2,031                  | 0,750                  | 0,984                  | 0,560 | 1                 | C                    | P600 . -D16, .. |
| D4140.05-17.00A19-C | 0,669                  | 3,465                  | 4,803                  | 2,031                  | 0,750                  | 0,984                  | 0,551 | 1                 | C                    | P600 . -D17, .. |
| D4140.05-18.00A19-D | 0,709                  | 3,661                  | 5,039                  | 2,031                  | 0,750                  | 0,984                  | 0,619 | 1                 | D                    | P600 . -D18, .. |
| D4140.05-19.00A19-D | 0,748                  | 3,858                  | 5,276                  | 2,031                  | 0,750                  | 0,984                  | 0,705 | 1                 | D                    | P600 . -D19, .. |
| D4140.05-20.00A19-E | 0,787                  | 4,094                  | 5,512                  | 2,031                  | 0,750                  | 0,984                  | 0,765 | 1                 | E                    | P600 . -D20, .. |
| D4140.05-21.00A19-E | 0,827                  | 4,291                  | 5,748                  | 2,031                  | 0,750                  | 0,984                  | 0,814 | 1                 | E                    | P600 . -D21, .. |
| D4140.05-22.00A26-F | 0,866                  | 4,488                  | 6,024                  | 2,281                  | 1,000                  | 1,260                  | 1,19  | 1                 | F                    | P600 . -D22, .. |
| D4140.05-24.00A26-G | 0,945                  | 4,882                  | 6,496                  | 2,281                  | 1,000                  | 1,260                  | 1,323 | 1                 | G                    | P600 . -D24, .. |
| D4140.05-26.00A26-H | 1,024                  | 5,315                  | 6,968                  | 2,281                  | 1,000                  | 1,260                  | 1,49  | 1                 | H                    | P600 . -D26, .. |
| D4140.05-28.00A31-J | 1,102                  | 5,709                  | 7,48                   | 2,281                  | 1,250                  | 1,575                  | 1,947 | 1                 | J                    | P600 . -D28, .. |
| D4140.05-30.00A31-K | 1,181                  | 6,102                  | 7,953                  | 2,281                  | 1,250                  | 1,575                  | 2,313 | 1                 | K                    | P600 . -D30, .. |




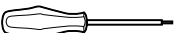
Cylindrical shank with collar

Корпус и сборочные детали входят в комплект поставки

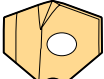
### Сборочные детали

| D <sub>c</sub> [inch]  | 0,472–0,512                | 0,551–0,591                | 0,63–0,669                 | 0,709–0,748                | 0,787–0,827                 | 0,866                       | 0,945                       | 1,024                       | 1,102–1,181                 |
|--|----------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
|  Винт для технологического центра<br>Момент затяжки | FS1396 (T7IP)<br>0,885 lbs | FS1397 (T8IP)<br>1,475 lbs | FS1398 (T8IP)<br>1,475 lbs | FS1399 (T15IP)<br>2,95 lbs | FS1400 (T20IP)<br>3,688 lbs | FS1401 (T20IP)<br>3,688 lbs | FS1402 (T20IP)<br>3,688 lbs | FS1403 (T25IP)<br>4,057 lbs | FS1404 (T25IP)<br>4,057 lbs |

### Комплектующие

| D <sub>c</sub> [inch]  | 0,472–0,512   | 0,551–0,669   | 0,709–0,748    | 0,787–0,945    | 1,024–1,181    |
|--|---------------|---------------|----------------|----------------|----------------|
|  Динамометрические воротки          |               |               |                |                | FS2042         |
|  Динамометрический ключ, аналоговый | FS2002        | FS2004        | FS2004         | FS2004         |                |
|  Вставка                            | FS2011 (T7IP) | FS2012 (T8IP) | FS2014 (T15IP) | FS2015 (T20IP) | FS2049 (T25IP) |
|  Отвёртка                           | FS2088 (T7IP) | FS1483 (T8IP) | FS1485 (T15IP) | FS1486 (T20IP) | FS1487 (T25IP) |

### Сменные пластины

| Обозначение  | D <sub>c</sub> inch | P     |       | M      | K     | N      | S     |
|--|---------------------|-------|-------|--------|-------|--------|-------|
|  |                     | WMP35 | WPP25 | WPP45C | WMP35 | WKK45C | WNN25 |
|  P6001-D.. | 0,472–1,201         |       |       |        |       |        |       |
| P6003-D..  | 0,472–1,201         |       |       |        |       |        |       |
| P6004-D..  | 0,472–1,201         |       |       |        |       |        |       |
| P6005-D..  | 0,472–1,201         |       |       |        |       |        |       |
| P6006-D..  | 0,472–1,201         |       |       |        |       |        |       |

HC = Coated carbide

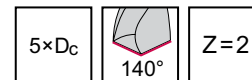
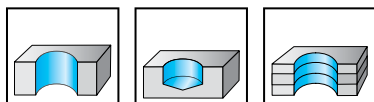
## Сверла с пластинами

 D4140 inch

Drion-tec®

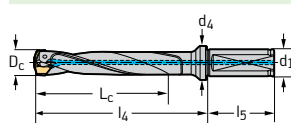


B1



|       |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|
|       | P | M | K | N | S | H | O |
| D4140 | ● | ● | ● | ● | ● |   |   |

## Инструмент




Cylindrical shank with flat




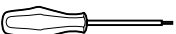
| Обозначение         | D <sub>c</sub><br>inch | L <sub>c</sub><br>inch | l <sub>4</sub><br>inch | l <sub>5</sub><br>inch | d <sub>1</sub><br>inch | d <sub>4</sub><br>inch | lbs   | Кол-во<br>пластин | Посадочный<br>размер | Тип             |
|---------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------|-------------------|----------------------|-----------------|
| D4140.05-12.00F15-A | 0,472                  | 2,441                  | 3,622                  | 1,890                  | 0,625                  | 0,787                  | 0,340 | 1                 | A                    | P600 . -D12, .. |
| D4140.05-13.00F15-A | 0,512                  | 2,638                  | 3,858                  | 1,890                  | 0,625                  | 0,787                  | 0,302 | 1                 | A                    | P600 . -D13, .. |
| D4140.05-14.00F15-B | 0,551                  | 2,874                  | 4,094                  | 1,890                  | 0,625                  | 0,787                  | 0,379 | 1                 | B                    | P600 . -D14, .. |
| D4140.05-15.00F15-B | 0,591                  | 3,071                  | 4,331                  | 1,890                  | 0,625                  | 0,787                  | 0,406 | 1                 | B                    | P600 . -D15, .. |
| D4140.05-16.00F19-C | 0,630                  | 3,268                  | 4,567                  | 2,031                  | 0,750                  | 0,984                  | 0,551 | 1                 | C                    | P600 . -D16, .. |
| D4140.05-17.00F19-C | 0,669                  | 3,465                  | 4,803                  | 2,031                  | 0,750                  | 0,984                  | 0,573 | 1                 | C                    | P600 . -D17, .. |
| D4140.05-18.00F19-D | 0,709                  | 3,661                  | 5,039                  | 2,031                  | 0,750                  | 0,984                  | 0,622 | 1                 | D                    | P600 . -D18, .. |
| D4140.05-19.00F19-D | 0,748                  | 3,858                  | 5,276                  | 2,031                  | 0,750                  | 0,984                  | 0,666 | 1                 | D                    | P600 . -D19, .. |
| D4140.05-20.00F19-E | 0,787                  | 4,094                  | 5,512                  | 2,031                  | 0,750                  | 0,984                  | 0,750 | 1                 | E                    | P600 . -D20, .. |
| D4140.05-21.00F19-E | 0,827                  | 4,291                  | 5,748                  | 2,031                  | 0,750                  | 0,984                  | 0,798 | 1                 | E                    | P600 . -D21, .. |
| D4140.05-22.00F26-F | 0,866                  | 4,488                  | 6,024                  | 2,281                  | 1,000                  | 1,260                  | 1,19  | 1                 | F                    | P600 . -D22, .. |
| D4140.05-23.00F26-F | 0,906                  | 4,685                  | 6,260                  | 2,281                  | 1,000                  | 1,260                  | 1,263 | 1                 | F                    | P600 . -D23, .. |
| D4140.05-24.00F26-G | 0,945                  | 4,882                  | 6,496                  | 2,281                  | 1,000                  | 1,260                  | 1,316 | 1                 | G                    | P600 . -D24, .. |
| D4140.05-25.00F26-G | 0,984                  | 5,118                  | 6,732                  | 2,281                  | 1,000                  | 1,260                  | 1,400 | 1                 | G                    | P600 . -D25, .. |
| D4140.05-26.00F26-H | 1,024                  | 5,315                  | 6,968                  | 2,281                  | 1,000                  | 1,260                  | 1,464 | 1                 | H                    | P600 . -D26, .. |
| D4140.05-27.00F26-H | 1,063                  | 5,512                  | 7,205                  | 2,281                  | 1,000                  | 1,260                  | 1,537 | 1                 | H                    | P600 . -D27, .. |
| D4140.05-28.00F31-J | 1,102                  | 5,709                  | 7,48                   | 2,281                  | 1,250                  | 1,575                  | 2,079 | 1                 | J                    | P600 . -D28, .. |
| D4140.05-29.00F31-J | 1,142                  | 5,906                  | 7,717                  | 2,281                  | 1,250                  | 1,575                  | 2,18  | 1                 | J                    | P600 . -D29, .. |
| D4140.05-30.00F31-K | 1,181                  | 6,339                  | 7,953                  | 2,281                  | 1,250                  | 1,575                  | 2,271 | 1                 | K                    | P600 . -D30, .. |
| D4140.05-31.00F31-K | 1,22                   | 6,339                  | 8,189                  | 2,281                  | 1,250                  | 1,575                  | 2,394 | 1                 | K                    | P600 . -D31, .. |
| D4140.05-32.00F31-M | 1,260                  | 6,535                  | 8,425                  | 2,281                  | 1,250                  | 1,575                  | 2,429 | 1                 | M                    | P600 . -D32, .. |
| D4140.05-33.00F31-M | 1,299                  | 6,732                  | 8,661                  | 2,281                  | 1,250                  | 1,575                  | 2,551 | 1                 | M                    | P600 . -D33, .. |
| D4140.05-34.00F38-N | 1,339                  | 6,929                  | 8,898                  | 2,688                  | 1,500                  | 1,969                  | 3,331 | 1                 | N                    | P600 . -D34, .. |
| D4140.05-35.00F38-N | 1,378                  | 7,126                  | 9,134                  | 2,688                  | 1,500                  | 1,969                  | 3,417 | 1                 | N                    | P600 . -D35, .. |
| D4140.05-36.00F38-P | 1,417                  | 7,362                  | 9,37                   | 2,688                  | 1,500                  | 1,969                  | 3,578 | 1                 | P                    | P600 . -D36, .. |
| D4140.05-37.00F38-P | 1,457                  | 7,559                  | 9,606                  | 2,688                  | 1,500                  | 1,969                  | 3,704 | 1                 | P                    | P600 . -D37, .. |

Корпус и сборочные детали входят в комплект поставки

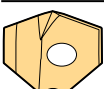
## Сборочные детали

| D <sub>c</sub> [inch]   |  | 0,472–0,512                | 0,551–0,591                | 0,63–0,669                 | 0,709–0,748                | 0,787–0,827                 | 0,866–0,906                 | 0,945–0,984                 | 1,024–1,063                 | 1,102–1,299                 | 1,339–1,457                 |
|---|--|----------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
|  | Винт для технологического центра<br>Момент затяжки | FS1396 (T7IP)<br>0,885 lbs | FS1397 (T8IP)<br>1,475 lbs | FS1398 (T8IP)<br>1,475 lbs | FS1399 (T15IP)<br>2,95 lbs | FS1400 (T20IP)<br>3,688 lbs | FS1401 (T20IP)<br>3,688 lbs | FS1402 (T20IP)<br>3,688 lbs | FS1403 (T25IP)<br>4,057 lbs | FS1404 (T25IP)<br>4,057 lbs | FS2159 (T25IP)<br>4,057 lbs |

## Комплектующие

| D <sub>c</sub> [inch]   |                                    | 0,472–0,512   | 0,551–0,669   | 0,709–0,748    | 0,787–0,984    | 1,024–1,457    |
|---|------------------------------------|---------------|---------------|----------------|----------------|----------------|
|  | Динамометрические воротки          |               |               |                |                | FS2042         |
|  | Динамометрический ключ, аналоговый | FS2002        | FS2004        | FS2004         | FS2004         |                |
|  | Вставка                            | FS2011 (T7IP) | FS2012 (T8IP) | FS2014 (T15IP) | FS2015 (T20IP) | FS2049 (T25IP) |
|  | Отвёртка                           | FS2088 (T7IP) | FS1483 (T8IP) | FS1485 (T15IP) | FS1486 (T20IP) | FS1487 (T25IP) |

## Сменные пластины

| Обозначение  | D <sub>c</sub><br>inch | P     |       | M      |       | K      |       | N     |    | S |   |
|--|------------------------|-------|-------|--------|-------|--------|-------|-------|----|---|---|
|  |                        | HC    | HC    | HC     | HC    | HC     | HC    | HC    | HC |   |   |
|  |                        | WMP35 | WPP25 | WPP45C | WMP35 | WKK45C | WNN25 | WMP35 |    |   |   |
|  | P6001-D..              |       |       | ☺      |       |        |       |       |    |   |   |
|  | P6003-D..              | ☺     |       |        | ☺     |        |       |       |    |   | ☺ |
|  | P6004-D..              |       |       |        |       |        |       |       |    |   | ☺ |
|  | P6005-D..              |       |       |        |       |        |       |       |    |   | ☺ |
|  | P6006-D..              |       | ☺     |        |       |        |       |       |    |   | ☺ |

HC = Coated carbide

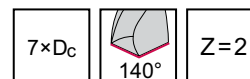
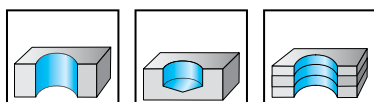
## Сверла с пластинами

 D4140 

Drion-tec®

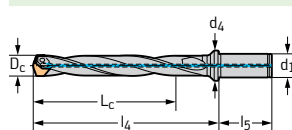


B1



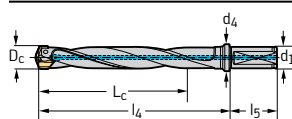
|   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|
| P | M | K | N | S | H | O |
| ● | ● | ● | ● | ● |   |   |

## Инструмент



Cylindrical shank with collar

| Обозначение         | D <sub>c</sub><br>mm | L <sub>c</sub><br>mm | l <sub>4</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>mm | d <sub>4</sub><br>mm | kg   | Кол-во<br>пластин | Посадоч-<br>ный размер | Тип            |
|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|------|-------------------|------------------------|----------------|
| D4140-07-12.00A16-A | 12                   | 86                   | 116                  | 48                   | 16                   | 20                   | 0,17 | 1                 | A                      | P600 .-D12, .. |
| D4140-07-13.00A16-A | 13                   | 93                   | 124                  | 48                   | 16                   | 20                   | 0,18 | 1                 | A                      | P600 .-D13, .. |
| D4140-07-14.00A16-B | 14                   | 101                  | 132                  | 48                   | 16                   | 20                   | 0,2  | 1                 | B                      | P600 .-D14, .. |
| D4140-07-15.00A16-B | 15                   | 108                  | 140                  | 48                   | 16                   | 20                   | 0,23 | 1                 | B                      | P600 .-D15, .. |
| D4140-07-16.00A20-C | 16                   | 115                  | 148                  | 50                   | 20                   | 25                   | 0,31 | 1                 | C                      | P600 .-D16, .. |
| D4140-07-17.00A20-C | 17                   | 122                  | 156                  | 50                   | 20                   | 25                   | 0,33 | 1                 | C                      | P600 .-D17, .. |
| D4140-07-18.00A20-D | 18                   | 133                  | 164                  | 50                   | 20                   | 25                   | 0,35 | 1                 | D                      | P600 .-D18, .. |
| D4140-07-19.00A20-D | 19                   | 136                  | 172                  | 50                   | 20                   | 25                   | 0,37 | 1                 | D                      | P600 .-D19, .. |
| D4140-07-20.00A20-E | 20                   | 144                  | 180                  | 50                   | 20                   | 25                   | 0,4  | 1                 | E                      | P600 .-D20, .. |
| D4140-07-21.00A20-E | 21                   | 151                  | 188                  | 50                   | 20                   | 25                   | 0,43 | 1                 | E                      | P600 .-D21, .. |
| D4140-07-22.00A25-F | 22                   | 158                  | 197                  | 56                   | 25                   | 32                   | 0,61 | 1                 | F                      | P600 .-D22, .. |
| D4140-07-23.00A25-F | 23                   | 165                  | 205                  | 56                   | 25                   | 32                   | 0,65 | 1                 | F                      | P600 .-D23, .. |
| D4140-07-24.00A25-G | 24                   | 172                  | 213                  | 56                   | 25                   | 32                   | 0,69 | 1                 | G                      | P600 .-D24, .. |
| D4140-07-25.00A25-G | 25                   | 180                  | 221                  | 56                   | 25                   | 32                   | 0,76 | 1                 | G                      | P600 .-D25, .. |
| D4140-07-26.00A25-H | 26                   | 187                  | 229                  | 56                   | 25                   | 32                   | 0,8  | 1                 | H                      | P600 .-D26, .. |
| D4140-07-27.00A25-H | 27                   | 194                  | 237                  | 56                   | 25                   | 32                   | 0,84 | 1                 | H                      | P600 .-D27, .. |
| D4140-07-28.00A32-J | 28                   | 201                  | 246                  | 60                   | 32                   | 40                   | 1,04 | 1                 | J                      | P600 .-D28, .. |
| D4140-07-29.00A32-J | 29                   | 208                  | 254                  | 60                   | 32                   | 40                   | 1    | 1                 | J                      | P600 .-D29, .. |
| D4140-07-30.00A32-K | 30                   | 215                  | 262                  | 60                   | 32                   | 40                   | 1,24 | 1                 | K                      | P600 .-D30, .. |
| D4140-07-31.00A32-K | 31                   | 223                  | 270                  | 60                   | 32                   | 40                   | 1,3  | 1                 | K                      | P600 .-D31, .. |



Cylindrical shank with flat

|                     |    |     |     |    |    |    |      |   |   |                |
|---------------------|----|-----|-----|----|----|----|------|---|---|----------------|
| D4140-07-12.00F16-A | 12 | 86  | 116 | 48 | 16 | 20 | 0,16 | 1 | A | P600 .-D12, .. |
| D4140-07-13.00F16-A | 13 | 93  | 124 | 48 | 16 | 20 | 0,17 | 1 | A | P600 .-D13, .. |
| D4140-07-14.00F16-B | 14 | 101 | 132 | 48 | 16 | 20 | 0,19 | 1 | B | P600 .-D14, .. |
| D4140-07-15.00F16-B | 15 | 108 | 140 | 48 | 16 | 20 | 0,2  | 1 | B | P600 .-D15, .. |
| D4140-07-16.00F20-C | 16 | 115 | 148 | 50 | 20 | 25 | 0,3  | 1 | C | P600 .-D16, .. |
| D4140-07-17.00F20-C | 17 | 122 | 156 | 50 | 20 | 25 | 0,32 | 1 | C | P600 .-D17, .. |
| D4140-07-18.00F20-D | 18 | 126 | 164 | 50 | 20 | 25 | 0,34 | 1 | D | P600 .-D18, .. |
| D4140-07-19.00F20-D | 19 | 136 | 172 | 50 | 20 | 25 | 0,37 | 1 | D | P600 .-D19, .. |
| D4140-07-20.00F20-E | 20 | 144 | 180 | 50 | 20 | 25 | 0,39 | 1 | E | P600 .-D20, .. |
| D4140-07-21.00F20-E | 21 | 151 | 188 | 50 | 20 | 25 | 0,43 | 1 | E | P600 .-D21, .. |
| D4140-07-22.00F25-F | 22 | 158 | 197 | 56 | 25 | 32 | 0,6  | 1 | F | P600 .-D22, .. |
| D4140-07-23.00F25-F | 23 | 165 | 205 | 56 | 25 | 32 | 0,64 | 1 | F | P600 .-D23, .. |
| D4140-07-24.00F25-G | 24 | 172 | 213 | 56 | 25 | 32 | 0,68 | 1 | G | P600 .-D24, .. |
| D4140-07-25.00F25-G | 25 | 180 | 221 | 56 | 25 | 32 | 0,71 | 1 | G | P600 .-D25, .. |
| D4140-07-26.00F25-H | 26 | 187 | 229 | 56 | 25 | 32 | 0,78 | 1 | H | P600 .-D26, .. |


Корпус и сборочные детали входят в комплект поставки

WALTER SELECT

Жёсткость станка, закрепления инструмента и заготовки → очень хорошая = 😊 → хорошая = 😊 → средняя = 😊



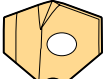
### Сборочные детали

| D <sub>c</sub> [mm]  | 12-13                   | 14-15                 | 16-17                 | 18-19                  | 20-21                  | 22-23                  | 24-25                  | 26-27                    | 28-33                    | 34-37                    |
|--|-------------------------|-----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|--------------------------|--------------------------|--------------------------|
|  Винт для технологического центра<br>Момент затяжки | FS1396 (T7IP)<br>1,2 Nm | FS1397 (T8IP)<br>2 Nm | FS1398 (T8IP)<br>2 Nm | FS1399 (T15IP)<br>4 Nm | FS1400 (T20IP)<br>5 Nm | FS1401 (T20IP)<br>5 Nm | FS1402 (T20IP)<br>5 Nm | FS1403 (T25IP)<br>5,5 Nm | FS1404 (T25IP)<br>5,5 Nm | FS2159 (T25IP)<br>5,5 Nm |

### Комплектующие

| D <sub>c</sub> [mm]  | 12-13         | 14-17         | 18-19          | 20-25          | 26-37          |
|--|---------------|---------------|----------------|----------------|----------------|
|  Динамометрические воротки          |               |               |                |                | FS2041         |
|  Динамометрический ключ, аналоговый | FS2001        | FS2003        | FS2003         | FS2003         |                |
|  Вставка                            | FS2011 (T7IP) | FS2012 (T8IP) | FS2014 (T15IP) | FS2015 (T20IP) | FS2049 (T25IP) |
|  Отвёртка                           | FS2088 (T7IP) | FS1483 (T8IP) | FS1485 (T15IP) | FS1486 (T20IP) | FS1487 (T25IP) |

### Сменные пластины

| Обозначение  | D <sub>c</sub> mm | P     |       | M      |       | K      |       | N     |  | S  |  |
|--|-------------------|-------|-------|--------|-------|--------|-------|-------|--|----|--|
|  |                   | HC    |       | HC     |       | HC     |       | HC    |  | HC |  |
|  |                   | WMP35 | WPP25 | WPP45C | WMP35 | WKK45C | WNN25 | WMP35 |  |    |  |
|  P6001-D.. | 12-38             |       |       |        |       |        |       |       |  |    |  |
| P6003-D..  | 12-38             |       |       |        |       |        |       |       |  |    |  |
| P6004-D..  | 12-31,5           |       |       |        |       |        |       |       |  |    |  |
| P6005-D..  | 12-38             |       |       |        |       |        |       |       |  |    |  |
| P6006-D..  | 12-38             |       |       |        |       |        |       |       |  |    |  |

HC = Coated carbide

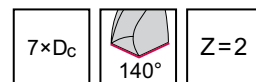
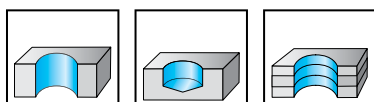
## Сверла с пластинами

 D4140 

Drion-tec®

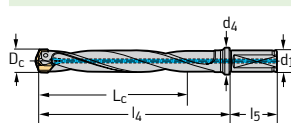


B1



|       |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|
|       | P | M | K | N | S | H | O |
| D4140 | ● | ● | ● | ● | ● |   |   |

## Инструмент




Cylindrical shank with flat

| Обозначение         | D <sub>c</sub><br>mm | L <sub>c</sub><br>mm | l <sub>4</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>mm | d <sub>4</sub><br>mm | kg   | Кол-во<br>пластин | Посадоч-<br>ный размер | Тип             |
|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|------|-------------------|------------------------|-----------------|
| D4140-07-27.00F25-H | 27                   | 194                  | 237                  | 56                   | 25                   | 32                   | 0,82 | 1                 | H                      | P600 . -D27, .. |
| D4140-07-28.00F32-J | 28                   | 201                  | 246                  | 60                   | 32                   | 40                   | 1,04 | 1                 | J                      | P600 . -D28, .. |
| D4140-07-29.00F32-J | 29                   | 208                  | 254                  | 60                   | 32                   | 40                   | 1,14 | 1                 | J                      | P600 . -D29, .. |
| D4140-07-30.00F32-K | 30                   | 215                  | 262                  | 60                   | 32                   | 40                   | 1,24 | 1                 | K                      | P600 . -D30, .. |
| D4140-07-31.00F32-K | 31                   | 223                  | 270                  | 60                   | 32                   | 40                   | 1,28 | 1                 | K                      | P600 . -D31, .. |
| D4140-07-32.00F40-M | 32                   | 230                  | 278                  | 70                   | 40                   | 50                   | 1,8  | 1                 | M                      | P600 . -D32, .. |
| D4140-07-33.00F40-M | 33                   | 237                  | 286                  | 70                   | 40                   | 50                   | 1,86 | 1                 | M                      | P600 . -D33, .. |
| D4140-07-34.00F40-N | 34                   | 244                  | 294                  | 70                   | 40                   | 50                   | 1,94 | 1                 | N                      | P600 . -D34, .. |
| D4140-07-35.00F40-N | 35                   | 251                  | 302                  | 70                   | 40                   | 50                   | 2,06 | 1                 | N                      | P600 . -D35, .. |
| D4140-07-36.00F40-P | 36                   | 259                  | 310                  | 70                   | 40                   | 50                   | 2,09 | 1                 | P                      | P600 . -D36, .. |
| D4140-07-37.00F40-P | 37                   | 266                  | 318                  | 70                   | 40                   | 50                   | 2,21 | 1                 | P                      | P600 . -D37, .. |

Корпус и сборочные детали входят в комплект поставки

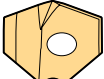
## Сборочные детали

| D <sub>c</sub> [mm]  | 12-13                      | 14-15                    | 16-17                    | 18-19                     | 20-21                     | 22-23                     | 24-25                     | 26-27                       | 28-33                       | 34-37                       |
|--|----------------------------|--------------------------|--------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-----------------------------|-----------------------------|-----------------------------|
|  Винт для технологического центра<br>Момент затяжки | FS1396<br>(T7IP)<br>1,2 Nm | FS1397<br>(T8IP)<br>2 Nm | FS1398<br>(T8IP)<br>2 Nm | FS1399<br>(T15IP)<br>4 Nm | FS1400<br>(T20IP)<br>5 Nm | FS1401<br>(T20IP)<br>5 Nm | FS1402<br>(T20IP)<br>5 Nm | FS1403<br>(T25IP)<br>5,5 Nm | FS1404<br>(T25IP)<br>5,5 Nm | FS2159<br>(T25IP)<br>5,5 Nm |

## Комплектующие

| D <sub>c</sub> [mm]  | 12-13         | 14-17         | 18-19          | 20-25          | 26-37          |
|--|---------------|---------------|----------------|----------------|----------------|
|  Динамометрические воротки          |               |               |                |                | FS2041         |
|  Динамометрический ключ, аналоговый | FS2001        | FS2003        | FS2003         | FS2003         |                |
|  Вставка                            | FS2011 (T7IP) | FS2012 (T8IP) | FS2014 (T15IP) | FS2015 (T20IP) | FS2049 (T25IP) |
|  Отвёртка                           | FS2088 (T7IP) | FS1483 (T8IP) | FS1485 (T15IP) | FS1486 (T20IP) | FS1487 (T25IP) |

## Сменные пластины

| Обозначение  | D <sub>c</sub><br>mm | P     |       | M      |       | K      |       | N     |    | S  |    |
|--|----------------------|-------|-------|--------|-------|--------|-------|-------|----|----|----|
|  |                      | WMP35 | WPP25 | WPP45C | WMP35 | WKK45C | WNN25 | WMP35 | HC | HC | HC |
|  P6001-D.. | 12-38                |       |       |        |       |        |       |       |    |    |    |
| P6003-D..  | 12-38                |       |       |        |       |        |       |       |    |    |    |
| P6004-D..  | 12-31,5              |       |       |        |       |        |       |       |    |    |    |
| P6005-D..  | 12-38                |       |       |        |       |        |       |       |    |    |    |
| P6006-D..  | 12-38                |       |       |        |       |        |       |       |    |    |    |

HC = Coated carbide

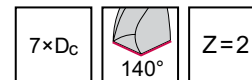
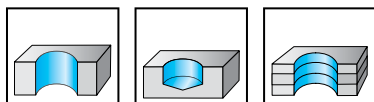
## Сверла с пластинами

 D4140 inch

Drion-tec®

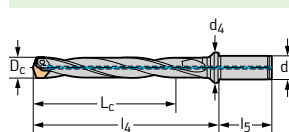


B1



|       |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|
|       | P | M | K | N | S | H | O |
| D4140 | ● | ● | ● | ● | ● |   |   |

## Инструмент




Cylindrical shank with collar




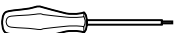
| Обозначение         | D <sub>c</sub><br>inch | L <sub>c</sub><br>inch | l <sub>4</sub><br>inch | l <sub>5</sub><br>inch | d <sub>1</sub><br>inch | d <sub>4</sub><br>inch | lbs   | Кол-во<br>пластин | Посадочный<br>размер | Тип             |
|---------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------|-------------------|----------------------|-----------------|
| D4140.07-12.00A15-A | 0,472                  | 3,386                  | 4,567                  | 1,890                  | 0,625                  | 0,787                  | 0,377 | 1                 | A                    | P600 . -D12, .. |
| D4140.07-13.00A15-A | 0,512                  | 3,661                  | 4,882                  | 1,890                  | 0,625                  | 0,787                  | 0,406 | 1                 | A                    | P600 . -D13, .. |
| D4140.07-14.00A15-B | 0,551                  | 3,976                  | 5,197                  | 1,890                  | 0,625                  | 0,787                  | 0,419 | 1                 | B                    | P600 . -D14, .. |
| D4140.07-15.00A15-B | 0,591                  | 4,252                  | 5,512                  | 1,890                  | 0,625                  | 0,787                  | 0,467 | 1                 | B                    | P600 . -D15, .. |
| D4140.07-16.00A19-C | 0,630                  | 4,528                  | 5,827                  | 2,031                  | 0,750                  | 0,984                  | 0,659 | 1                 | C                    | P600 . -D16, .. |
| D4140.07-17.00A19-C | 0,669                  | 4,803                  | 6,142                  | 2,031                  | 0,750                  | 0,984                  | 0,710 | 1                 | C                    | P600 . -D17, .. |
| D4140.07-18.00A19-D | 0,709                  | 5,079                  | 6,457                  | 2,031                  | 0,750                  | 0,984                  | 0,750 | 1                 | D                    | P600 . -D18, .. |
| D4140.07-19.00A19-D | 0,748                  | 5,354                  | 6,772                  | 2,031                  | 0,750                  | 0,984                  | 0,805 | 1                 | D                    | P600 . -D19, .. |
| D4140.07-20.00A19-E | 0,787                  | 5,669                  | 7,087                  | 2,031                  | 0,750                  | 0,984                  | 0,875 | 1                 | E                    | P600 . -D20, .. |
| D4140.07-21.00A19-E | 0,827                  | 5,945                  | 7,402                  | 2,031                  | 0,750                  | 0,984                  | 0,946 | 1                 | E                    | P600 . -D21, .. |
| D4140.07-22.00A26-F | 0,866                  | 6,22                   | 7,756                  | 2,281                  | 1,000                  | 1,260                  | 1,345 | 1                 | F                    | P600 . -D22, .. |
| D4140.07-24.00A26-G | 0,945                  | 6,772                  | 8,386                  | 2,281                  | 1,000                  | 1,260                  | 1,541 | 1                 | G                    | P600 . -D24, .. |
| D4140.07-26.00A26-H | 1,024                  | 7,362                  | 9,016                  | 2,281                  | 1,000                  | 1,260                  | 1,720 | 1                 | H                    | P600 . -D26, .. |
| D4140.07-28.00A31-J | 1,102                  | 7,913                  | 9,685                  | 2,281                  | 1,250                  | 1,575                  | 2,427 | 1                 | J                    | P600 . -D28, .. |
| D4140.07-30.00A31-K | 1,181                  | 8,465                  | 10,315                 | 2,281                  | 1,250                  | 1,575                  | 2,668 | 1                 | K                    | P600 . -D30, .. |

Корпус и сборочные детали входят в комплект поставки

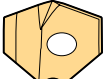
### Сборочные детали

| D <sub>c</sub> [inch]  | 0,472–0,512                | 0,551–0,591                | 0,63–0,669                 | 0,709–0,748                | 0,787–0,827                 | 0,866                       | 0,945                       | 1,024                       | 1,102–1,181                 |
|--|----------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
|  Винт для технологического центра<br>Момент затяжки | FS1396 (T7IP)<br>0,885 lbs | FS1397 (T8IP)<br>1,475 lbs | FS1398 (T8IP)<br>1,475 lbs | FS1399 (T15IP)<br>2,95 lbs | FS1400 (T20IP)<br>3,688 lbs | FS1401 (T20IP)<br>3,688 lbs | FS1402 (T20IP)<br>3,688 lbs | FS1403 (T25IP)<br>4,057 lbs | FS1404 (T25IP)<br>4,057 lbs |

### Комплектующие

| D <sub>c</sub> [inch]  | 0,472–0,512   | 0,551–0,669   | 0,709–0,748    | 0,787–0,945    | 1,024–1,181    |
|--|---------------|---------------|----------------|----------------|----------------|
|  Динамометрические воротки          |               |               |                |                | FS2042         |
|  Динамометрический ключ, аналоговый | FS2002        | FS2004        | FS2004         | FS2004         |                |
|  Вставка                            | FS2011 (T7IP) | FS2012 (T8IP) | FS2014 (T15IP) | FS2015 (T20IP) | FS2049 (T25IP) |
|  Отвёртка                           | FS2088 (T7IP) | FS1483 (T8IP) | FS1485 (T15IP) | FS1486 (T20IP) | FS1487 (T25IP) |

### Сменные пластины

| Обозначение  | D <sub>c</sub> inch | P     |        | M     | K      | N     | S     |
|--|---------------------|-------|--------|-------|--------|-------|-------|
|  |                     | HC    | WMP35  | HC    | HC     | HC    | HC    |
|  |                     | WPP25 | WPP45C | WMP35 | WKK45C | WNN25 | WMP35 |
|  P6001-D.. | 0,472–1,201         |       |        | ☑     |        |       |       |
| P6003-D..  | 0,472–1,201         | ☑     |        |       | ☑      |       | ☑     |
| P6004-D..  | 0,472–1,201         |       |        |       |        | ☑     |       |
| P6005-D..  | 0,472–1,201         |       |        |       | ☑      |       |       |
| P6006-D..  | 0,472–1,201         | ☑     |        |       |        |       |       |

HC = Coated carbide

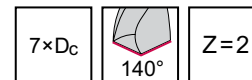
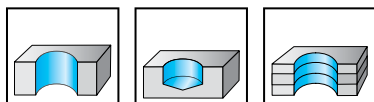
## Сверла с пластинами

D4140 inch

Drion-tec®

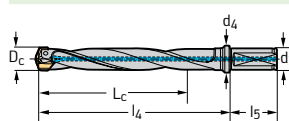


B1



|       |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|
|       | P | M | K | N | S | H | O |
| D4140 | ● | ● | ● | ● | ● |   |   |

## Инструмент




Cylindrical shank with flat




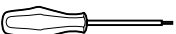
| Обозначение         | D <sub>c</sub><br>inch | L <sub>c</sub><br>inch | l <sub>4</sub><br>inch | l <sub>5</sub><br>inch | d <sub>1</sub><br>inch | d <sub>4</sub><br>inch | lbs   | Кол-во<br>пластин | Посадочный<br>размер | Тип             |
|---------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------|-------------------|----------------------|-----------------|
| D4140.07-12.00F15-A | 0,472                  | 3,386                  | 4,567                  | 1,890                  | 0,625                  | 0,787                  | 0,366 | 1                 | A                    | P600 . -D12, .. |
| D4140.07-13.00F15-A | 0,512                  | 3,661                  | 4,882                  | 1,890                  | 0,625                  | 0,787                  | 0,39  | 1                 | A                    | P600 . -D13, .. |
| D4140.07-14.00F15-B | 0,551                  | 3,976                  | 5,197                  | 1,890                  | 0,625                  | 0,787                  | 0,421 | 1                 | B                    | P600 . -D14, .. |
| D4140.07-15.00F15-B | 0,591                  | 4,252                  | 5,512                  | 1,890                  | 0,625                  | 0,787                  | 0,454 | 1                 | B                    | P600 . -D15, .. |
| D4140.07-16.00F19-C | 0,630                  | 4,528                  | 5,827                  | 2,031                  | 0,750                  | 0,984                  | 0,617 | 1                 | C                    | P600 . -D16, .. |
| D4140.07-17.00F19-C | 0,669                  | 4,803                  | 6,142                  | 2,031                  | 0,750                  | 0,984                  | 0,697 | 1                 | C                    | P600 . -D17, .. |
| D4140.07-18.00F19-D | 0,709                  | 5,079                  | 6,457                  | 2,031                  | 0,750                  | 0,984                  | 0,734 | 1                 | D                    | P600 . -D18, .. |
| D4140.07-19.00F19-D | 0,748                  | 5,354                  | 6,772                  | 2,031                  | 0,750                  | 0,984                  | 0,794 | 1                 | D                    | P600 . -D19, .. |
| D4140.07-20.00F19-E | 0,787                  | 5,669                  | 7,087                  | 2,031                  | 0,750                  | 0,984                  | 0,858 | 1                 | E                    | P600 . -D20, .. |
| D4140.07-21.00F19-E | 0,827                  | 5,945                  | 7,402                  | 2,031                  | 0,750                  | 0,984                  | 0,933 | 1                 | E                    | P600 . -D21, .. |
| D4140.07-22.00F26-F | 0,866                  | 6,22                   | 7,756                  | 2,281                  | 1,000                  | 1,260                  | 1,351 | 1                 | F                    | P600 . -D22, .. |
| D4140.07-23.00F26-F | 0,906                  | 6,496                  | 8,071                  | 2,281                  | 1,000                  | 1,260                  | 1,429 | 1                 | F                    | P600 . -D23, .. |
| D4140.07-24.00F26-G | 0,945                  | 6,772                  | 8,386                  | 2,281                  | 1,000                  | 1,260                  | 1,523 | 1                 | G                    | P600 . -D24, .. |
| D4140.07-25.00F26-G | 0,984                  | 7,087                  | 8,701                  | 2,281                  | 1,000                  | 1,260                  | 1,609 | 1                 | G                    | P600 . -D25, .. |
| D4140.07-26.00F26-H | 1,024                  | 7,362                  | 9,016                  | 2,281                  | 1,000                  | 1,260                  | 1,702 | 1                 | H                    | P600 . -D26, .. |
| D4140.07-27.00F26-H | 1,063                  | 7,638                  | 9,331                  | 2,281                  | 1,000                  | 1,260                  | 1,803 | 1                 | H                    | P600 . -D27, .. |
| D4140.07-28.00F31-J | 1,102                  | 7,913                  | 9,685                  | 2,281                  | 1,250                  | 1,575                  | 2,379 | 1                 | J                    | P600 . -D28, .. |
| D4140.07-29.00F31-J | 1,142                  | 8,189                  | 10,000                 | 2,281                  | 1,250                  | 1,575                  | 2,425 | 1                 | J                    | P600 . -D29, .. |
| D4140.07-30.00F31-K | 1,181                  | 8,465                  | 10,315                 | 2,281                  | 1,250                  | 1,575                  | 2,844 | 1                 | K                    | P600 . -D30, .. |
| D4140.07-31.00F31-K | 1,22                   | 8,780                  | 10,630                 | 2,281                  | 1,250                  | 1,575                  | 2,811 | 1                 | K                    | P600 . -D31, .. |
| D4140.07-32.00F31-M | 1,260                  | 9,055                  | 10,945                 | 2,281                  | 1,250                  | 1,575                  | 2,866 | 1                 | M                    | P600 . -D32, .. |
| D4140.07-33.00F31-M | 1,299                  | 9,331                  | 11,260                 | 2,281                  | 1,250                  | 1,575                  | 3,263 | 1                 | M                    | P600 . -D33, .. |
| D4140.07-34.00F38-N | 1,339                  | 9,606                  | 11,575                 | 2,688                  | 1,500                  | 1,969                  | 4,034 | 1                 | N                    | P600 . -D34, .. |
| D4140.07-35.00F38-N | 1,378                  | 9,882                  | 11,890                 | 2,688                  | 1,500                  | 1,969                  | 4,255 | 1                 | N                    | P600 . -D35, .. |
| D4140.07-36.00F38-P | 1,417                  | 10,197                 | 12,205                 | 2,688                  | 1,500                  | 1,969                  | 4,359 | 1                 | P                    | P600 . -D36, .. |
| D4140.07-37.00F38-P | 1,457                  | 10,433                 | 12,520                 | 2,688                  | 1,500                  | 1,969                  | 4,592 | 1                 | P                    | P600 . -D37, .. |

Корпус и сборочные детали входят в комплект поставки

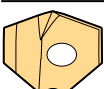
## Сборочные детали

| D <sub>c</sub> [inch]   |  | 0,472–0,512                      | 0,551–0,591                      | 0,63–0,669                       | 0,709–0,748                      | 0,787–0,827                       | 0,866–0,906                       | 0,945–0,984                       | 1,024–1,063                       | 1,102–1,299                       | 1,339–1,457                       |
|---|--|----------------------------------|----------------------------------|----------------------------------|----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
|  | Винт для технологического центра<br>Момент затяжки | FS1396<br>(T7IP)<br>0,885<br>lbs | FS1397<br>(T8IP)<br>1,475<br>lbs | FS1398<br>(T8IP)<br>1,475<br>lbs | FS1399<br>(T15IP)<br>2,95<br>lbs | FS1400<br>(T20IP)<br>3,688<br>lbs | FS1401<br>(T20IP)<br>3,688<br>lbs | FS1402<br>(T20IP)<br>3,688<br>lbs | FS1403<br>(T25IP)<br>4,057<br>lbs | FS1404<br>(T25IP)<br>4,057<br>lbs | FS2159<br>(T25IP)<br>4,057<br>lbs |

## Комплектующие

| D <sub>c</sub> [inch]   |                                    | 0,472–0,512   | 0,551–0,669   | 0,709–0,748    | 0,787–0,984    | 1,024–1,457    |
|---|------------------------------------|---------------|---------------|----------------|----------------|----------------|
|  | Динамометрические воротки          |               |               |                |                | FS2042         |
|  | Динамометрический ключ, аналоговый | FS2002        | FS2004        | FS2004         | FS2004         |                |
|  | Вставка                            | FS2011 (T7IP) | FS2012 (T8IP) | FS2014 (T15IP) | FS2015 (T20IP) | FS2049 (T25IP) |
|  | Отвёртка                           | FS2088 (T7IP) | FS1483 (T8IP) | FS1485 (T15IP) | FS1486 (T20IP) | FS1487 (T25IP) |

## Сменные пластины

| Обозначение  | D <sub>c</sub><br>inch | P     |       | M      |       | K      |       | N     |    | S |   |
|--|------------------------|-------|-------|--------|-------|--------|-------|-------|----|---|---|
|  |                        | HC    | HC    | HC     | HC    | HC     | HC    | HC    | HC |   |   |
|  |                        | WMP35 | WPP25 | WPP45C | WMP35 | WKK45C | WNN25 | WMP35 |    |   |   |
|  | P6001-D..              |       |       | ☺      |       |        |       |       |    |   |   |
|  | P6003-D..              | ☺     |       |        | ☺     |        |       |       |    |   | ☺ |
|  | P6004-D..              |       |       |        |       |        |       |       |    |   | ☺ |
|  | P6005-D..              |       |       |        |       |        |       |       |    |   | ☺ |
|  | P6006-D..              |       | ☺     |        |       |        |       |       |    |   | ☺ |

HC = Coated carbide

WALTER SELECT

Жёсткость станка, закрепления инструмента и заготовки → очень хорошая = ☺ → хорошая = ☹ → средняя = ☹

☺ ☹ ☹ / \* = Новый инструмент

Свёрла с пластинами В 255

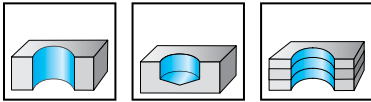
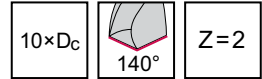
## Сверла с пластинами

 D4140 inch

Drion-tec®

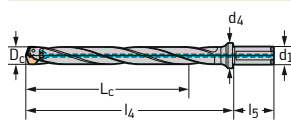


B1

 – P6006 – для использования без обработки пилотных отверстий, глуб. до  $10 \times D_c$ 


|       |    |   |    |    |   |   |   |
|-------|----|---|----|----|---|---|---|
|       | P  | M | K  | N  | S | H | O |
| D4140 | ●● | ● | ●● | ●● | ● |   |   |

## Инструмент




| Обозначение         | $D_c$<br>inch | $L_c$<br>inch | $l_4$<br>inch | $l_5$<br>inch | $d_1$<br>inch | $d_4$<br>inch | lbs   | Кол-во<br>пластин | Поса-<br>дочный<br>размер | Тип             |
|---------------------|---------------|---------------|---------------|---------------|---------------|---------------|-------|-------------------|---------------------------|-----------------|
| D4140.10-12.00F15-A | 0,472         | 4,724         | 5,984         | 1,890         | 0,625         | 0,787         | 0,353 | 1                 | A                         | P600 . -D12, .. |
| D4140.10-15.00F15-B | 0,591         | 5,906         | 7,283         | 1,890         | 0,625         | 0,787         | 0,485 | 1                 | B                         | P600 . -D15, .. |
| D4140.10-19.00F19-D | 0,748         | 7,48          | 9,016         | 2,031         | 0,750         | 0,984         | 0,882 | 1                 | D                         | P600 . -D19, .. |
| D4140.10-22.00F26-F | 0,866         | 8,661         | 10,354        | 2,281         | 1,000         | 1,260         | 1,543 | 1                 | F                         | P600 . -D22, .. |
| D4140.10-25.00F26-G | 0,984         | 9,843         | 11,654        | 2,281         | 1,000         | 1,260         | 1,984 | 1                 | G                         | P600 . -D25, .. |

Cylindrical shank with flat



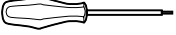
Корпус и сборочные детали входят в комплект поставки



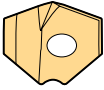
### Сборочные детали

|   | D <sub>c</sub> [inch]                              | 0,472                      | 0,591                      | 0,748                      | 0,866                       | 0,984                       |
|---|--|----------------------------|----------------------------|----------------------------|-----------------------------|-----------------------------|
|  | Винт для технологического центра<br>Момент затяжки | FS1396 (T7IP)<br>0,885 lbs | FS1397 (T8IP)<br>1,475 lbs | FS1399 (T15IP)<br>2,95 lbs | FS1401 (T20IP)<br>3,688 lbs | FS1402 (T20IP)<br>3,688 lbs |

### Комплектующие

|   | D <sub>c</sub> [inch]              | 0,472         | 0,591         | 0,748          | 0,866-0,984    |
|---|------------------------------------|---------------|---------------|----------------|----------------|
|  | Динамометрический ключ, аналоговый | FS2002        | FS2004        | FS2004         | FS2004         |
|  | Вставка                            | FS2011 (T7IP) | FS2012 (T8IP) | FS2014 (T15IP) | FS2015 (T20IP) |
|  | Отвёртка                           | FS2088 (T7IP) | FS1483 (T8IP) | FS1485 (T15IP) | FS1486 (T20IP) |

### Сменные пластины

| Обозначение   | D <sub>c</sub><br>inch | P     |       | M      | K     | N      | S     |       |
|---|------------------------|-------|-------|--------|-------|--------|-------|-------|
|   |                        | HC    | HC    | HC     | HC    | HC     | HC    |       |
|   |                        | WMP35 | WPP25 | WPP45C | WMP35 | WKK45C | WNN25 | WMP35 |
|  P6001-D.. | 0,472-1,016            |       |       | ☼      |       |        |       |       |
| P6003-D..   | 0,472-1,016            | ☼     |       |        | ☼     |        |       | ☼     |
| P6004-D..   | 0,472-1,004            |       |       |        |       |        |       | ☼     |
| P6005-D..   | 0,472-1,016            |       |       |        | ☼     |        |       |       |
| P6006-D..   | 0,472-1,016            | ☼     |       |        |       |        |       |       |

HC = Coated carbide

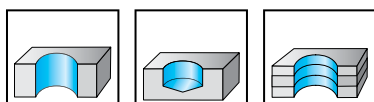
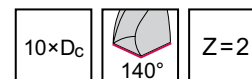
## Сверла с пластинами

 D4140 

Drion-tec®

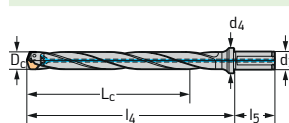


B1

 – P6006 – для использования без обработки пилотных отверстий, глуб. до  $10 \times D_c$ 


|       |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|
|       | P | M | K | N | S | H | O |
| D4140 | ● | ● | ● | ● | ● |   |   |

## Инструмент



Cylindrical shank with flat

| Обозначение         | D <sub>c</sub><br>mm | L <sub>c</sub><br>mm | l <sub>4</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>mm | d <sub>4</sub><br>mm | kg   | Кол-во<br>пластин | Поса-<br>дочный<br>размер | Тип             |
|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|------|-------------------|---------------------------|-----------------|
| D4140-10-12.00F16-A | 12                   | 120                  | 152                  | 48                   | 16                   | 20                   | 0,16 | 1                 | A                         | P600 . -D12, .. |
| D4140-10-13.00F16-A | 13                   | 130                  | 163                  | 48                   | 16                   | 20                   | 0,18 | 1                 | A                         | P600 . -D13, .. |
| D4140-10-14.00F16-B | 14                   | 140                  | 174                  | 48                   | 16                   | 20                   | 0,2  | 1                 | B                         | P600 . -D14, .. |
| D4140-10-15.00F16-B | 15                   | 150                  | 185                  | 48                   | 16                   | 20                   | 0,22 | 1                 | B                         | P600 . -D15, .. |
| D4140-10-16.00F20-C | 16                   | 160                  | 196                  | 50                   | 20                   | 25                   | 0,31 | 1                 | C                         | P600 . -D16, .. |
| D4140-10-17.00F20-C | 17                   | 170                  | 207                  | 50                   | 20                   | 25                   | 0,34 | 1                 | C                         | P600 . -D17, .. |
| D4140-10-18.00F20-D | 18                   | 180                  | 218                  | 50                   | 20                   | 25                   | 0,4  | 1                 | D                         | P600 . -D18, .. |
| D4140-10-19.00F20-D | 19                   | 190                  | 229                  | 50                   | 20                   | 25                   | 0,4  | 1                 | D                         | P600 . -D19, .. |
| D4140-10-20.00F20-E | 20                   | 200                  | 240                  | 50                   | 20                   | 25                   | 0,48 | 1                 | E                         | P600 . -D20, .. |
| D4140-10-21.00F20-E | 21                   | 210                  | 251                  | 50                   | 20                   | 25                   | 0,47 | 1                 | E                         | P600 . -D21, .. |
| D4140-10-22.00F25-F | 22                   | 220                  | 263                  | 56                   | 25                   | 32                   | 0,71 | 1                 | F                         | P600 . -D22, .. |
| D4140-10-23.00F25-F | 23                   | 230                  | 274                  | 56                   | 25                   | 32                   | 0,72 | 1                 | F                         | P600 . -D23, .. |
| D4140-10-24.00F25-G | 24                   | 240                  | 285                  | 56                   | 25                   | 32                   | 0,82 | 1                 | G                         | P600 . -D24, .. |
| D4140-10-25.00F25-G | 25                   | 250                  | 296                  | 56                   | 25                   | 32                   | 0,87 | 1                 | G                         | P600 . -D25, .. |

Корпус и сборочные детали входят в комплект поставки

### Сборочные детали

| D <sub>c</sub> [mm]                                | 12-13                   | 14-15                 | 16-17                 | 18-19                  | 20-21                  | 22-23                  | 24-25                  |
|--|-------------------------|-----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|
| Винт для технологического центра<br>Момент затяжки | FS1396 (T7IP)<br>1,2 Nm | FS1397 (T8IP)<br>2 Nm | FS1398 (T8IP)<br>2 Nm | FS1399 (T15IP)<br>4 Nm | FS1400 (T20IP)<br>5 Nm | FS1401 (T20IP)<br>5 Nm | FS1402 (T20IP)<br>5 Nm |

### Комплектующие

| D <sub>c</sub> [mm]                | 12-13         | 14-17         | 18             | 19             | 20-24          | 21-25          |
|------------------------------------|---------------|---------------|----------------|----------------|----------------|----------------|
| Динамометрический ключ, аналоговый | FS2001        | FS2003        | FS2003         | FS2003         | FS2003         | FS2003         |
| Вставка                            | FS2011 (T7IP) | FS2012 (T8IP) | FS2014 (T15IP) | FS2014 (T15IP) | FS2015 (T20IP) | FS2015 (T20IP) |
| Отвёртка                           | FS2088 (T7IP) | FS1483 (T8IP) | FS1485 (T15IP) | FS1485 (T15IP) | FS1486 (T20IP) | FS1486 (T20IP) |

### Сменные пластины

| Обозначение | D <sub>c</sub> mm | P     |       | M      | K      | N     | S     |
|-------------|-------------------|-------|-------|--------|--------|-------|-------|
|             |                   | WMP35 | WPP25 | WPP45C | WKP45C | WNN25 | WMP35 |
| P6001-D..   | 12-25,8           |       |       | ☺      |        |       |       |
| P6003-D..   | 12-25,8           | ☺     |       | ☺      |        |       | ☺     |
| P6004-D..   | 12-25,5           |       |       |        |        | ☺     |       |
| P6005-D..   | 12-25,8           |       |       |        | ☺      |       |       |
| P6006-D..   | 12-25,8           | ☺     |       |        |        |       |       |

HC = Coated carbide

B1

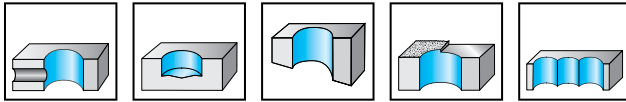
## Сверла с пластинами

 D4120 

Drion-tec®


 2×D<sub>c</sub>

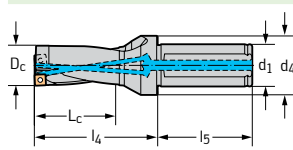
Z = 1



|   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|
| P | M | K | N | S | H | O |
| ● | ● | ● | ● | ● | ● | ● |

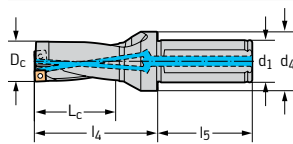
D4120

## Инструмент

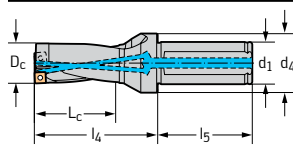


Cylindrical shank with flat

| Обозначение           | D <sub>c</sub><br>mm | L <sub>c</sub><br>mm | l <sub>4</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>mm | d <sub>4</sub><br>mm | kg   | Кол-во<br>пластин | Тип                                  |
|-----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|------|-------------------|--------------------------------------|
| D4120-02-13.50F20-P41 | 13,5                 | 27                   | 47                   | 50                   | 20                   | 25                   | 0,16 | 1 / 1             | P484 . P-1R- ...<br>P484 . C-1R- ... |
| D4120-02-14.00F20-P41 | 14                   | 28                   | 48                   | 50                   | 20                   | 25                   | 0,19 | 1 / 1             |                                      |
| D4120-02-14.50F20-P41 | 14,5                 | 29                   | 49                   | 50                   | 20                   | 25                   | 0,19 | 1 / 1             |                                      |
| D4120-02-15.00F20-P41 | 15                   | 30                   | 50                   | 50                   | 20                   | 25                   | 0,18 | 1 / 1             |                                      |
| D4120-02-15.50F20-P41 | 15,5                 | 31                   | 51                   | 50                   | 20                   | 25                   | 0,21 | 1 / 1             |                                      |
| D4120-02-16.00F25-P41 | 16                   | 32                   | 57                   | 56                   | 25                   | 35                   | 0,33 | 1 / 1             |                                      |
| D4120-02-16.50F25-P42 | 16,5                 | 33                   | 58                   | 56                   | 25                   | 35                   | 0,37 | 1 / 1             | P484 . P-2R- ...<br>P484 . C-2R- ... |
| D4120-02-17.00F25-P42 | 17                   | 34                   | 59                   | 56                   | 25                   | 35                   | 0,37 | 1 / 1             |                                      |
| D4120-02-17.50F25-P42 | 17,5                 | 35                   | 60                   | 56                   | 25                   | 35                   | 0,34 | 1 / 1             |                                      |
| D4120-02-18.00F25-P42 | 18                   | 36                   | 61                   | 56                   | 25                   | 35                   | 0,38 | 1 / 1             |                                      |
| D4120-02-18.50F25-P42 | 18,5                 | 37                   | 62                   | 56                   | 25                   | 35                   | 0,32 | 1 / 1             |                                      |
| D4120-02-19.00F25-P42 | 19                   | 38                   | 63                   | 56                   | 25                   | 35                   | 0,35 | 1 / 1             |                                      |
| D4120-02-19.50F25-P42 | 19,5                 | 39                   | 64                   | 56                   | 25                   | 35                   | 0,4  | 1 / 1             |                                      |
| D4120-02-20.00F25-P42 | 20                   | 40                   | 65                   | 56                   | 25                   | 35                   | 0,4  | 1 / 1             |                                      |
| D4120-02-20.50F25-P43 | 20,5                 | 41                   | 66                   | 56                   | 25                   | 35                   | 0,39 | 1 / 1             | P484 . P-3R- ...<br>P484 . C-3R- ... |
| D4120-02-21.00F25-P43 | 21                   | 42                   | 67                   | 56                   | 25                   | 35                   | 0,4  | 1 / 1             |                                      |
| D4120-02-21.50F25-P43 | 21,5                 | 43                   | 68                   | 56                   | 25                   | 35                   | 0,41 | 1 / 1             |                                      |
| D4120-02-22.00F25-P43 | 22                   | 44                   | 69                   | 56                   | 25                   | 35                   | 0,41 | 1 / 1             |                                      |
| D4120-02-22.50F25-P43 | 22,5                 | 45                   | 70                   | 56                   | 25                   | 35                   | 0,42 | 1 / 1             |                                      |
| D4120-02-23.00F25-P43 | 23                   | 46                   | 71                   | 56                   | 25                   | 35                   | 0,42 | 1 / 1             |                                      |
| D4120-02-23.50F25-P43 | 23,5                 | 47                   | 72                   | 56                   | 25                   | 35                   | 0,43 | 1 / 1             |                                      |
| D4120-02-24.00F25-P43 | 24                   | 48                   | 73                   | 56                   | 25                   | 35                   | 0,43 | 1 / 1             |                                      |
| D4120-02-24.50F25-P44 | 24,5                 | 49                   | 74                   | 56                   | 25                   | 35                   | 0,42 | 1 / 1             | P484 . P-4R- ...<br>P484 . C-4R- ... |
| D4120-02-25.00F25-P44 | 25                   | 50                   | 75                   | 56                   | 25                   | 35                   | 0,42 | 1 / 1             |                                      |
| D4120-02-25.50F32-P44 | 25,5                 | 51                   | 83                   | 60                   | 32                   | 42                   | 0,69 | 1 / 1             |                                      |
| D4120-02-26.00F32-P44 | 26                   | 52                   | 84                   | 60                   | 32                   | 42                   | 0,66 | 1 / 1             |                                      |
| D4120-02-26.50F32-P44 | 26,5                 | 53                   | 85                   | 60                   | 32                   | 42                   | 0,7  | 1 / 1             |                                      |
| D4120-02-27.00F32-P44 | 27                   | 54                   | 86                   | 60                   | 32                   | 42                   | 0,71 | 1 / 1             |                                      |
| D4120-02-27.50F32-P44 | 27,5                 | 55                   | 87                   | 60                   | 32                   | 42                   | 0,75 | 1 / 1             |                                      |
| D4120-02-28.00F32-P44 | 28                   | 56                   | 88                   | 60                   | 32                   | 42                   | 0,69 | 1 / 1             |                                      |
| D4120-02-28.50F32-P44 | 28,5                 | 57                   | 89                   | 60                   | 32                   | 42                   | 0,74 | 1 / 1             |                                      |
| D4120-02-29.00F32-P44 | 29                   | 58                   | 90                   | 60                   | 32                   | 42                   | 0,71 | 1 / 1             |                                      |



Cylindrical shank with flat



Cylindrical shank with flat

Корпус и сборочные детали входят в комплект поставки

WALTER SELECT

Жёсткость станка, закрепления инструмента и заготовки → очень хорошая = 😊 → хорошая = 😊 → средняя = 😊

### Сборочные детали

| D <sub>c</sub> [mm]             | 13,5–16                 | 16,5–20                 | 20,5–24                 | 24,5–29               | 29,5–35                  | 35,5–42                  | 43–59                  |
|---------------------------------|-------------------------|-------------------------|-------------------------|-----------------------|--------------------------|--------------------------|------------------------|
| Винт пластины<br>Момент затяжки | FS2120 (T6IP)<br>0,4 Nm | FS2111 (T7IP)<br>0,9 Nm | FS1454 (T8IP)<br>1,2 Nm | FS1457 (T9IP)<br>2 Nm | FS2080 (T15IP)<br>2,5 Nm | FS1453 (T15IP)<br>3,5 Nm | FS1495 (T20IP)<br>5 Nm |

### Комплектующие

| D <sub>c</sub> [mm]                | 13,5–16       | 16,5–20       | 20,5–24       | 24,5–29       | 29,5–42        | 43–59          |
|------------------------------------|---------------|---------------|---------------|---------------|----------------|----------------|
| Динамометрический ключ, аналоговый | FS2001        | FS2001        | FS2001        | FS2003        | FS2003         | FS2003         |
| Динамометрический ключ, цифровой   |               |               | FS2248        | FS2248        | FS2248         | FS2248         |
| Вставка                            | FS2085 (T6IP) | FS2011 (T7IP) | FS2012 (T8IP) | FS2013 (T9IP) | FS2014 (T15IP) | FS2015 (T20IP) |
| Отвёртка                           | FS2086 (T6IP) | FS2088 (T7IP) | FS1483 (T8IP) | FS1484 (T9IP) | FS1485 (T15IP) | FS1486 (T20IP) |

### Пластины

| Обозначение   | Размер        | P      |        | M      |       | K      |       | N      |        | S     |       |
|---------------|---------------|--------|--------|--------|-------|--------|-------|--------|--------|-------|-------|
|               |               | HC     |        | HC     |       | HC     |       | HC     | HW     | HC    |       |
|               |               | WKP25S | WKP35S | WSP45G | WXP40 | WSP45G | WXP40 | WKP25S | WKP35S | WNI15 | WNI15 |
|               | P4840C-.R-E67 | 1-8    | ☒      | ☒      | ☒     | ☒      | ☒     | ☒      |        |       | ☒     |
|               | P4840C-.R-E77 | 1-8    |        |        |       |        |       |        | ☒      | ☒     |       |
|               | P4841C-.R-A57 | 1-8    | ☒      | ☒      | ☒     | ☒      | ☒     |        |        |       | ☒     |
|               | P4841C-.R-E57 | 1-8    | ☒      | ☒      | ☒     | ☒      | ☒     |        |        |       | ☒     |
|               | P4840C-2R-E67 | 2      | ☒      | ☒      | ☒     | ☒      | ☒     |        |        |       | ☒     |
|               | P4840C-2R-E77 | 2      |        |        |       |        |       |        | ☒      | ☒     |       |
|               | P4841C-2R-A57 | 2      | ☒      | ☒      | ☒     | ☒      | ☒     |        |        |       | ☒     |
|               | P4841C-2R-E57 | 2      | ☒      | ☒      | ☒     | ☒      | ☒     |        |        |       | ☒     |
|               | P4840C-3R-E67 | 3      | ☒      | ☒      | ☒     | ☒      | ☒     |        |        |       | ☒     |
|               | P4840C-3R-E77 | 3      |        |        |       |        |       |        | ☒      | ☒     |       |
|               | P4841C-3R-A57 | 3      | ☒      | ☒      | ☒     | ☒      | ☒     |        |        |       | ☒     |
| P4841C-3R-E57 | 3             | ☒      | ☒      | ☒      | ☒     | ☒      |       |        |        | ☒     |       |
|               | P4840P-.R-A57 | 1-8    | ☒      | ☒      | ☒     | ☒      | ☒     |        |        |       | ☒     |
|               | P4840P-.R-E57 | 1-8    | ☒      | ☒      | ☒     | ☒      | ☒     |        |        |       | ☒     |
|               | P4840P-.R-E67 | 1-8    | ☒      | ☒      | ☒     | ☒      | ☒     |        |        |       | ☒     |
|               | P4840P-.R-E77 | 1-8    |        |        |       |        |       |        | ☒      | ☒     |       |
|               | P4841P-.R-A57 | 1-8    | ☒      | ☒      | ☒     | ☒      | ☒     |        |        |       | ☒     |
|               | P4841P-.R-E57 | 1-8    | ☒      | ☒      | ☒     | ☒      | ☒     |        |        |       | ☒     |
|               | P4840P-2R-A57 | 2      | ☒      | ☒      | ☒     | ☒      | ☒     |        |        |       | ☒     |
|               | P4840P-2R-E57 | 2      | ☒      | ☒      | ☒     | ☒      | ☒     |        |        |       | ☒     |
|               | P4840P-2R-E67 | 2      | ☒      | ☒      | ☒     | ☒      | ☒     |        |        |       | ☒     |
|               | P4840P-2R-E77 | 2      |        |        |       |        |       |        | ☒      | ☒     |       |
|               | P4841P-2R-A57 | 2      | ☒      | ☒      | ☒     | ☒      | ☒     |        |        |       | ☒     |
|               | P4841P-2R-E57 | 2      | ☒      | ☒      | ☒     | ☒      | ☒     |        |        |       | ☒     |
|               | P4840P-3R-A57 | 3      | ☒      | ☒      | ☒     | ☒      | ☒     |        |        |       | ☒     |
|               | P4840P-3R-E57 | 3      | ☒      | ☒      | ☒     | ☒      | ☒     |        |        |       | ☒     |
|               | P4840P-3R-E67 | 3      | ☒      | ☒      | ☒     | ☒      | ☒     |        |        |       | ☒     |
|               | P4840P-3R-E77 | 3      |        |        |       |        |       |        | ☒      | ☒     |       |
|               | P4841P-3R-A57 | 3      | ☒      | ☒      | ☒     | ☒      | ☒     |        |        |       | ☒     |
| P4841P-3R-E57 | 3             | ☒      | ☒      | ☒      | ☒     | ☒      |       |        |        | ☒     |       |

HC = Coated carbide  
HW = Uncoated carbide

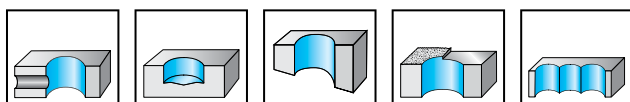
## Сверла с пластинами

 D4120 

Drion-tec®



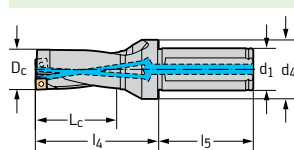
B1

 2×D<sub>c</sub>    Z = 1


|   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|
| P | M | K | N | S | H | O |
| ● | ● | ● | ● | ● | ● | ● |

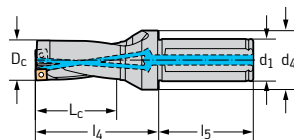
D4120

## Инструмент

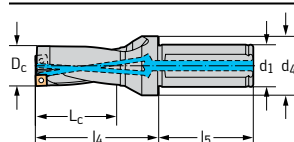


Cylindrical shank with flat

| Обозначение           | D <sub>c</sub><br>mm | L <sub>c</sub><br>mm | l <sub>4</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>mm | d <sub>4</sub><br>mm | kg   | Кол-во<br>пластин | Тип                                |
|-----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|------|-------------------|------------------------------------|
| D4120-02-29.50F32-P45 | 29,5                 | 59                   | 91                   | 60                   | 32                   | 42                   | 0,79 | 1 / 1             | P484 . P-5R- ..<br>P484 . C-5R- .. |
| D4120-02-30.00F32-P45 | 30                   | 60                   | 92                   | 60                   | 32                   | 42                   | 0,73 | 1 / 1             |                                    |
| D4120-02-30.50F32-P45 | 30,5                 | 61                   | 93                   | 60                   | 32                   | 42                   | 0,74 | 1 / 1             |                                    |
| D4120-02-31.00F32-P45 | 31                   | 62                   | 94                   | 60                   | 32                   | 42                   | 0,75 | 1 / 1             |                                    |
| D4120-02-31.50F32-P45 | 31,5                 | 63                   | 95                   | 60                   | 32                   | 42                   | 0,77 | 1 / 1             |                                    |
| D4120-02-32.00F32-P45 | 32                   | 64                   | 96                   | 60                   | 32                   | 42                   | 0,78 | 1 / 1             |                                    |
| D4120-02-32.50F32-P45 | 32,5                 | 65                   | 97                   | 60                   | 32                   | 42                   | 0,79 | 1 / 1             |                                    |
| D4120-02-33.00F32-P45 | 33                   | 66                   | 98                   | 60                   | 32                   | 42                   | 0,84 | 1 / 1             |                                    |
| D4120-02-33.50F32-P45 | 33,5                 | 67                   | 99                   | 60                   | 32                   | 42                   | 0,82 | 1 / 1             |                                    |
| D4120-02-34.00F32-P45 | 34                   | 68                   | 100                  | 60                   | 32                   | 42                   | 0,83 | 1 / 1             |                                    |
| D4120-02-34.50F32-P45 | 34,5                 | 69                   | 101                  | 60                   | 32                   | 42                   | 0,85 | 1 / 1             |                                    |
| D4120-02-35.00F32-P45 | 35                   | 70                   | 102                  | 60                   | 32                   | 42                   | 0,9  | 1 / 1             |                                    |
| D4120-02-35.50F32-P46 | 35,5                 | 71                   | 103                  | 60                   | 32                   | 42                   | 0,84 | 1 / 1             | P484 . P-6R- ..<br>P484 . C-6R- .. |
| D4120-02-36.00F32-P46 | 36                   | 72                   | 104                  | 60                   | 32                   | 42                   | 0,84 | 1 / 1             |                                    |
| D4120-02-36.50F32-P46 | 36,5                 | 73                   | 105                  | 60                   | 32                   | 42                   | 0,87 | 1 / 1             |                                    |
| D4120-02-37.00F40-P46 | 37                   | 74                   | 114                  | 70                   | 40                   | 50                   | 1,43 | 1 / 1             |                                    |
| D4120-02-37.50F40-P46 | 37,5                 | 75                   | 115                  | 70                   | 40                   | 50                   | 1,36 | 1 / 1             |                                    |
| D4120-02-38.00F40-P46 | 38                   | 76                   | 116                  | 70                   | 40                   | 50                   | 1,47 | 1 / 1             |                                    |
| D4120-02-38.50F40-P46 | 38,5                 | 77                   | 117                  | 70                   | 40                   | 50                   | 1,39 | 1 / 1             |                                    |
| D4120-02-39.00F40-P46 | 39                   | 78                   | 118                  | 70                   | 40                   | 50                   | 1,55 | 1 / 1             |                                    |
| D4120-02-39.50F40-P46 | 39,5                 | 79                   | 119                  | 70                   | 40                   | 50                   | 1,43 | 1 / 1             |                                    |
| D4120-02-40.00F40-P46 | 40                   | 80                   | 120                  | 70                   | 40                   | 50                   | 1,45 | 1 / 1             |                                    |
| D4120-02-40.50F40-P46 | 40,5                 | 81                   | 121                  | 70                   | 40                   | 50                   | 1,49 | 1 / 1             |                                    |
| D4120-02-41.00F40-P46 | 41                   | 82                   | 122                  | 70                   | 40                   | 50                   | 1,5  | 1 / 1             |                                    |
| D4120-02-41.50F40-P46 | 41,5                 | 83                   | 123                  | 70                   | 40                   | 50                   | 1,51 | 1 / 1             |                                    |
| D4120-02-42.00F40-P46 | 42                   | 84                   | 124                  | 70                   | 40                   | 50                   | 1,64 | 1 / 1             |                                    |
| D4120-02-43.00F40-P47 | 43                   | 86                   | 126                  | 70                   | 40                   | 50                   | 1,6  | 1 / 1             | P484 . P-7R- ..<br>P484 . C-7R- .. |
| D4120-02-44.00F40-P47 | 44                   | 88                   | 128                  | 70                   | 40                   | 50                   | 1,66 | 1 / 1             |                                    |
| D4120-02-45.00F40-P47 | 45                   | 90                   | 130                  | 70                   | 40                   | 50                   | 1,7  | 1 / 1             |                                    |
| D4120-02-46.00F40-P47 | 46                   | 92                   | 132                  | 70                   | 40                   | 50                   | 1,74 | 1 / 1             |                                    |
| D4120-02-47.00F40-P47 | 47                   | 94                   | 134                  | 70                   | 40                   | 50                   | 1,8  | 1 / 1             |                                    |
| D4120-02-48.00F40-P47 | 48                   | 96                   | 136                  | 70                   | 40                   | 50                   | 1,85 | 1 / 1             |                                    |
| D4120-02-49.00F40-P47 | 49                   | 98                   | 138                  | 70                   | 40                   | 50                   | 1,9  | 1 / 1             |                                    |
| D4120-02-50.00F40-P47 | 50                   | 100                  | 140                  | 70                   | 40                   | 50                   | 1,84 | 1 / 1             |                                    |



Cylindrical shank with flat



Cylindrical shank with flat

Корпус и сборочные детали входят в комплект поставки

WALTER SELECT

Жёсткость станка, закрепления инструмента и заготовки → очень хорошая = ☺ → хорошая = ☹ → средняя = ☹☹

## Сборочные детали

| D <sub>c</sub> [mm] |                                 | 13,5–16                    | 16,5–20                    | 20,5–24                    | 24,5–29                  | 29,5–35                     | 35,5–42                     | 43–59                     |
|---------------------|---------------------------------|----------------------------|----------------------------|----------------------------|--------------------------|-----------------------------|-----------------------------|---------------------------|
|                     | Винт пластины<br>Момент затяжки | FS2120<br>(T6IP)<br>0,4 Nm | FS2111<br>(T7IP)<br>0,9 Nm | FS1454<br>(T8IP)<br>1,2 Nm | FS1457<br>(T9IP)<br>2 Nm | FS2080<br>(T15IP)<br>2,5 Nm | FS1453<br>(T15IP)<br>3,5 Nm | FS1495<br>(T20IP)<br>5 Nm |

## Комплектующие

| D <sub>c</sub> [mm] |                                    | 13,5–16       | 16,5–20       | 20,5–24       | 24,5–29       | 29,5–42        | 43–59          |
|---------------------|------------------------------------|---------------|---------------|---------------|---------------|----------------|----------------|
|                     | Динамометрический ключ, аналоговый | FS2001        | FS2001        | FS2001        | FS2003        | FS2003         | FS2003         |
|                     | Динамометрический ключ, цифровой   |               |               | FS2248        | FS2248        | FS2248         | FS2248         |
|                     | Вставка                            | FS2085 (T6IP) | FS2011 (T7IP) | FS2012 (T8IP) | FS2013 (T9IP) | FS2014 (T15IP) | FS2015 (T20IP) |
|                     | Отвёртка                           | FS2086 (T6IP) | FS2088 (T7IP) | FS1483 (T8IP) | FS1484 (T9IP) | FS1485 (T15IP) | FS1486 (T20IP) |

## Пластины

| Обозначение   | Размер        | P      |        | M      |       | K      |       | N      |        | S     |       |
|---------------|---------------|--------|--------|--------|-------|--------|-------|--------|--------|-------|-------|
|               |               | HC     |        | HC     |       | HC     |       | HC     | HW     | HC    |       |
|               |               | WKP25S | WKP35S | WSP45G | WXP40 | WSP45G | WXP40 | WKP25S | WKP35S | WNI15 | WNI15 |
|               | P4840C-R-E67  | 1-8    | ☑      | ☑      | ☑     | ☑      | ☑     | ☑      |        |       | ☑     |
|               | P4840C-R-E77  | 1-8    |        |        |       |        |       |        | ☑      | ☑     |       |
|               | P4841C-R-A57  | 1-8    | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑     |
|               | P4841C-R-E57  | 1-8    | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑     |
|               | P4840C-2R-E67 | 2      | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑     |
|               | P4840C-2R-E77 | 2      |        |        |       |        |       |        | ☑      | ☑     |       |
|               | P4841C-2R-A57 | 2      | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑     |
|               | P4841C-2R-E57 | 2      | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑     |
|               | P4840C-3R-E67 | 3      | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑     |
|               | P4840C-3R-E77 | 3      |        |        |       |        |       |        | ☑      | ☑     |       |
|               | P4841C-3R-A57 | 3      | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑     |
| P4841C-3R-E57 | 3             | ☑      | ☑      | ☑      | ☑     | ☑      |       |        |        | ☑     |       |
|               | P4840P-R-A57  | 1-8    | ☑      | ☑      | ☑     | ☑      | ☑     | ☑      |        |       | ☑     |
|               | P4840P-R-E57  | 1-8    | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑     |
|               | P4840P-R-E67  | 1-8    | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑     |
|               | P4840P-R-E77  | 1-8    |        |        |       |        |       |        | ☑      | ☑     |       |
|               | P4841P-R-A57  | 1-8    | ☑      | ☑      | ☑     | ☑      | ☑     | ☑      |        |       | ☑     |
|               | P4841P-R-E57  | 1-8    | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑     |
|               | P4840P-2R-A57 | 2      | ☑      | ☑      | ☑     | ☑      | ☑     | ☑      |        |       | ☑     |
|               | P4840P-2R-E57 | 2      | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑     |
|               | P4840P-2R-E67 | 2      | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑     |
|               | P4840P-2R-E77 | 2      |        |        |       |        |       |        | ☑      | ☑     |       |
|               | P4841P-2R-A57 | 2      | ☑      | ☑      | ☑     | ☑      | ☑     | ☑      |        |       | ☑     |
|               | P4841P-2R-E57 | 2      | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑     |
|               | P4840P-3R-A57 | 3      | ☑      | ☑      | ☑     | ☑      | ☑     | ☑      |        |       | ☑     |
|               | P4840P-3R-E57 | 3      | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑     |
|               | P4840P-3R-E67 | 3      | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑     |
|               | P4840P-3R-E77 | 3      |        |        |       |        |       |        | ☑      | ☑     |       |
|               | P4841P-3R-A57 | 3      | ☑      | ☑      | ☑     | ☑      | ☑     | ☑      |        |       | ☑     |
| P4841P-3R-E57 | 3             | ☑      | ☑      | ☑      | ☑     | ☑      |       |        |        | ☑     |       |

HC = Coated carbide  
HW = Uncoated carbide

## WALTER SELECT

Жёсткость станка, закрепления инструмента и заготовки → очень хорошая = ☺ → хорошая = ☹ → средняя = ☹

## Сверла с пластинами

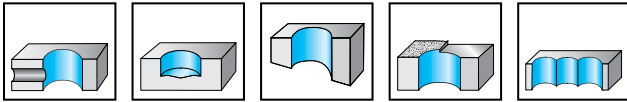
 D4120 

Drion-tec®



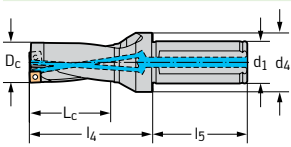
B1

|                  |       |
|------------------|-------|
| 2×D <sub>c</sub> | Z = 1 |
|------------------|-------|



|       |    |    |    |    |    |   |   |
|-------|----|----|----|----|----|---|---|
|       | P  | M  | K  | N  | S  | H | O |
| D4120 | ●● | ●● | ●● | ●● | ●● |   |   |

## Инструмент



Cylindrical shank with flat

| Обозначение           | D <sub>c</sub><br>mm | L <sub>c</sub><br>mm | l <sub>4</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>mm | d <sub>4</sub><br>mm | kg   | Кол-во<br>пластин | Тип             |
|-----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|------|-------------------|-----------------|
| D4120-02-51.00F40-P48 | 51                   | 102                  | 142                  | 70                   | 40                   | 50                   | 2,01 | 1 / 1             | P484 . P-8R-... |
| D4120-02-52.00F40-P48 | 52                   | 104                  | 144                  | 70                   | 40                   | 50                   | 2,04 | 1 / 1             | P484 . C-8R-... |
| D4120-02-53.00F40-P48 | 53                   | 106                  | 146                  | 70                   | 40                   | 50                   | 2,17 | 1 / 1             |                 |
| D4120-02-54.00F40-P48 | 54                   | 108                  | 148                  | 70                   | 40                   | 50                   | 2,24 | 1 / 1             |                 |
| D4120-02-55.00F40-P48 | 55                   | 110                  | 150                  | 70                   | 40                   | 50                   | 2,19 | 1 / 1             |                 |
| D4120-02-56.00F40-P48 | 56                   | 112                  | 152                  | 70                   | 40                   | 50                   | 2,37 | 1 / 1             |                 |
| D4120-02-57.00F40-P48 | 57                   | 114                  | 154                  | 70                   | 40                   | 50                   | 2,45 | 1 / 1             |                 |
| D4120-02-58.00F40-P48 | 58                   | 116                  | 156                  | 70                   | 40                   | 50                   | 2,54 | 1 / 1             |                 |
| D4120-02-59.00F40-P48 | 59                   | 118                  | 158                  | 70                   | 40                   | 50                   | 2,62 | 1 / 1             |                 |

Корпус и сборочные детали входят в комплект поставки



### Сборочные детали

| D <sub>c</sub> [mm]             | 13,5–16                 | 16,5–20                 | 20,5–24                 | 24,5–29               | 29,5–35                  | 35,5–42                  | 43–59                  |
|---------------------------------|-------------------------|-------------------------|-------------------------|-----------------------|--------------------------|--------------------------|------------------------|
| Винт пластины<br>Момент затяжки | FS2120 (T6IP)<br>0,4 Nm | FS2111 (T7IP)<br>0,9 Nm | FS1454 (T8IP)<br>1,2 Nm | FS1457 (T9IP)<br>2 Nm | FS2080 (T15IP)<br>2,5 Nm | FS1453 (T15IP)<br>3,5 Nm | FS1495 (T20IP)<br>5 Nm |

### Комплектующие

| D <sub>c</sub> [mm]                | 13,5–16       | 16,5–20       | 20,5–24       | 24,5–29       | 29,5–42        | 43–59          |
|------------------------------------|---------------|---------------|---------------|---------------|----------------|----------------|
| Динамометрический ключ, аналоговый | FS2001        | FS2001        | FS2001        | FS2003        | FS2003         | FS2003         |
| Динамометрический ключ, цифровой   |               |               | FS2248        | FS2248        | FS2248         | FS2248         |
| Вставка                            | FS2085 (T6IP) | FS2011 (T7IP) | FS2012 (T8IP) | FS2013 (T9IP) | FS2014 (T15IP) | FS2015 (T20IP) |
| Отвёртка                           | FS2086 (T6IP) | FS2088 (T7IP) | FS1483 (T8IP) | FS1484 (T9IP) | FS1485 (T15IP) | FS1486 (T20IP) |

### Пластины

| Обозначение   | Размер        | P            |        | M      |       | K      |       | N      |        | S     |       |        |
|---------------|---------------|--------------|--------|--------|-------|--------|-------|--------|--------|-------|-------|--------|
|               |               | HC           |        | HC     |       | HC     |       | HC     | HW     | HC    |       |        |
|               |               | WKP25S       | WKP35S | WSP45G | WXP40 | WSP45G | WXP40 | WKP25S | WKP35S | WNN15 | WNN15 | WSP45G |
|               | P4840C-R-E67  | 1-8          | ☑      | ☑      | ☑     | ☑      | ☑     | ☑      |        |       | ☑     |        |
|               | P4840C-R-E77  | 1-8          |        |        |       |        |       |        | ☑      | ☑     |       |        |
|               | P4841C-R-A57  | 1-8          | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑     |        |
|               | P4841C-R-E57  | 1-8          | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑     |        |
|               | P4840C-2R-E67 | 2            | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑     |        |
|               | P4840C-2R-E77 | 2            |        |        |       |        |       |        | ☑      | ☑     |       |        |
|               | P4841C-2R-A57 | 2            | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑     |        |
|               | P4841C-2R-E57 | 2            | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑     |        |
|               | P4840C-3R-E67 | 3            | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑     |        |
|               | P4840C-3R-E77 | 3            |        |        |       |        |       |        | ☑      | ☑     |       |        |
|               | P4841C-3R-A57 | 3            | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑     |        |
|               | P4841C-3R-E57 | 3            | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑     |        |
|               |               | P4840P-R-A57 | 1-8    | ☑      | ☑     | ☑      | ☑     | ☑      |        |       |       | ☑      |
|               |               | P4840P-R-E57 | 1-8    | ☑      | ☑     | ☑      | ☑     | ☑      |        |       |       | ☑      |
|               |               | P4840P-R-E67 | 1-8    | ☑      | ☑     | ☑      | ☑     | ☑      |        |       |       | ☑      |
| P4840P-R-E77  |               | 1-8          |        |        |       |        |       |        | ☑      | ☑     |       |        |
| P4841P-R-A57  |               | 1-8          | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑     |        |
| P4841P-R-E57  |               | 1-8          | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑     |        |
| P4840P-2R-A57 |               | 2            | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑     |        |
| P4840P-2R-E57 |               | 2            | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑     |        |
| P4840P-2R-E67 |               | 2            | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑     |        |
| P4840P-2R-E77 |               | 2            |        |        |       |        |       |        | ☑      | ☑     |       |        |
| P4841P-2R-A57 |               | 2            | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑     |        |
| P4841P-2R-E57 |               | 2            | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑     |        |
| P4840P-3R-A57 |               | 3            | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑     |        |
| P4840P-3R-E57 |               | 3            | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑     |        |
| P4840P-3R-E67 |               | 3            | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑     |        |
| P4840P-3R-E77 | 3             |              |        |        |       |        |       | ☑      | ☑      |       |       |        |
| P4841P-3R-A57 | 3             | ☑            | ☑      | ☑      | ☑     | ☑      |       |        |        | ☑     |       |        |
| P4841P-3R-E57 | 3             | ☑            | ☑      | ☑      | ☑     | ☑      |       |        |        | ☑     |       |        |

HC = Coated carbide  
HW = Uncoated carbide

### WALTER SELECT

Жёсткость станка, закрепления инструмента и заготовки → очень хорошая = ☺ → хорошая = ☹ → средняя = ☹

☺ ☹ ☹ / \* = Новый инструмент

## Сверла с пластинами

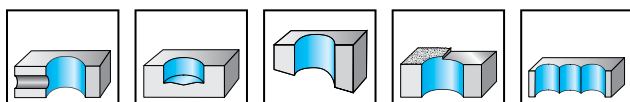
 D4120 inch

Drion-tec®



B1

|                  |       |
|------------------|-------|
| 2×D <sub>C</sub> | Z = 1 |
|------------------|-------|



|       |    |    |    |    |    |   |   |
|-------|----|----|----|----|----|---|---|
| D4120 | P  | M  | K  | N  | S  | H | O |
|       | ●● | ●● | ●● | ●● | ●● |   |   |

## Инструмент

|                                    | Обозначение           | D <sub>c</sub><br>inch | L <sub>c</sub><br>inch | l <sub>4</sub><br>inch | l <sub>5</sub><br>inch | d <sub>1</sub><br>inch | d <sub>4</sub><br>inch | lbs   | Кол-во<br>пластин | Тип                                  |
|------------------------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------|-------------------|--------------------------------------|
| <p>Cylindrical shank with flat</p> | D4120.02-13.49F19-P41 | 0,531                  | 1,062                  | 1,849                  | 2,031                  | 0,750                  | 1,125                  | 0,509 | 1 / 1             | P484 . P-1R- ...<br>P484 . C-1R- ... |
|                                    | D4120.02-13.89F19-P41 | 0,547                  | 1,094                  | 1,881                  | 2,031                  | 0,750                  | 1,125                  | 0,511 | 1 / 1             |                                      |
|                                    | D4120.02-14.27F19-P41 | 0,562                  | 1,124                  | 1,911                  | 2,031                  | 0,750                  | 1,125                  | 0,516 | 1 / 1             |                                      |
|                                    | D4120.02-14.68F19-P41 | 0,578                  | 1,156                  | 1,943                  | 2,031                  | 0,750                  | 1,125                  | 0,419 | 1 / 1             |                                      |
|                                    | D4120.02-15.09F19-P41 | 0,594                  | 1,188                  | 1,975                  | 2,031                  | 0,750                  | 1,125                  | 0,525 | 1 / 1             |                                      |
|                                    | D4120.02-15.47F19-P41 | 0,609                  | 1,218                  | 2,005                  | 2,031                  | 0,750                  | 1,125                  | 0,529 | 1 / 1             |                                      |
|                                    | D4120.02-15.88F19-P41 | 0,625                  | 1,250                  | 2,037                  | 2,031                  | 0,750                  | 1,125                  | 0,437 | 1 / 1             |                                      |
|                                    | D4120.02-16.66F26-P42 | 0,656                  | 1,312                  | 2,310                  | 2,281                  | 1,000                  | 1,375                  | 0,922 | 1 / 1             | P484 . P-2R- ...<br>P484 . C-2R- ... |
|                                    | D4120.02-17.04F26-P42 | 0,671                  | 1,342                  | 2,34                   | 2,281                  | 1,000                  | 1,375                  | 0,926 | 1 / 1             |                                      |
|                                    | D4120.02-17.45F26-P42 | 0,687                  | 1,374                  | 2,37                   | 2,281                  | 1,000                  | 1,375                  | 0,767 | 1 / 1             |                                      |
| <p>Cylindrical shank with flat</p> | D4120.02-17.86F26-P42 | 0,703                  | 1,406                  | 2,410                  | 2,281                  | 1,000                  | 1,375                  | 0,948 | 1 / 1             |                                      |
|                                    | D4120.02-18.24F26-P42 | 0,718                  | 1,436                  | 2,44                   | 2,281                  | 1,000                  | 1,375                  | 0,891 | 1 / 1             |                                      |
|                                    | D4120.02-19.05F26-P42 | 0,750                  | 1,500                  | 2,500                  | 2,281                  | 1,000                  | 1,375                  | 0,895 | 1 / 1             |                                      |
|                                    | D4120.02-19.43F26-P42 | 0,765                  | 1,530                  | 2,530                  | 2,281                  | 1,000                  | 1,375                  | 0,97  | 1 / 1             |                                      |
|                                    | D4120.02-19.84F26-P42 | 0,781                  | 1,562                  | 2,560                  | 2,281                  | 1,000                  | 1,375                  | 0,882 | 1 / 1             |                                      |
|                                    | D4120.02-20.62F26-P43 | 0,812                  | 1,624                  | 2,62                   | 2,281                  | 1,000                  | 1,375                  | 0,097 | 1 / 1             | P484 . P-3R- ...<br>P484 . C-3R- ... |
|                                    | D4120.02-21.41F26-P43 | 0,843                  | 1,686                  | 2,69                   | 2,281                  | 1,000                  | 1,375                  | 0,992 | 1 / 1             |                                      |
|                                    | D4120.02-22.23F31-P43 | 0,875                  | 1,750                  | 2,880                  | 2,281                  | 1,250                  | 1,625                  | 1,433 | 1 / 1             |                                      |
|                                    | D4120.02-23.01F31-P43 | 0,906                  | 1,812                  | 2,94                   | 2,281                  | 1,250                  | 1,625                  | 1,455 | 1 / 1             |                                      |
|                                    | D4120.02-23.39F31-P43 | 0,921                  | 1,842                  | 2,97                   | 2,281                  | 1,250                  | 1,625                  | 1,466 | 1 / 1             |                                      |
| <p>Cylindrical shank with flat</p> | D4120.02-23.80F31-P43 | 0,937                  | 1,874                  | 3,000                  | 2,281                  | 1,250                  | 1,625                  | 1,477 | 1 / 1             |                                      |
|                                    | D4120.02-24.59F31-P44 | 0,968                  | 1,936                  | 3,07                   | 2,281                  | 1,250                  | 1,625                  | 1,554 | 1 / 1             | P484 . P-4R- ...<br>P484 . C-4R- ... |
|                                    | D4120.02-24.99F31-P44 | 0,984                  | 1,968                  | 3,100                  | 2,281                  | 1,250                  | 1,625                  | 1,398 | 1 / 1             |                                      |
|                                    | D4120.02-25.40F31-P44 | 1,000                  | 2,000                  | 3,130                  | 2,281                  | 1,250                  | 1,625                  | 1,576 | 1 / 1             |                                      |
|                                    | D4120.02-26.57F31-P44 | 1,046                  | 2,092                  | 3,22                   | 2,281                  | 1,250                  | 1,625                  | 1,590 | 1 / 1             |                                      |
|                                    | D4120.02-26.97F31-P44 | 1,062                  | 2,124                  | 3,250                  | 2,281                  | 1,250                  | 1,625                  | 1,609 | 1 / 1             |                                      |
| <p>Cylindrical shank with flat</p> | D4120.02-28.17F31-P44 | 1,109                  | 2,218                  | 3,350                  | 2,281                  | 1,250                  | 1,625                  | 1,66  | 1 / 1             |                                      |
|                                    | D4120.02-28.58F31-P44 | 1,125                  | 2,250                  | 3,380                  | 2,281                  | 1,250                  | 1,625                  | 1,698 | 1 / 1             |                                      |
|                                    | D4120.02-29.74F31-P45 | 1,171                  | 2,342                  | 3,47                   | 2,281                  | 1,250                  | 1,625                  | 1,695 | 1 / 1             | P484 . P-5R- ...<br>P484 . C-5R- ... |
|                                    | D4120.02-30.15F31-P45 | 1,187                  | 2,374                  | 3,500                  | 2,281                  | 1,250                  | 1,625                  | 1,737 | 1 / 1             |                                      |
|                                    | D4120.02-31.75F31-P45 | 1,250                  | 2,500                  | 3,630                  | 2,281                  | 1,250                  | 1,625                  | 1,808 | 1 / 1             |                                      |
|                                    | D4120.02-33.32F31-P45 | 1,312                  | 2,624                  | 3,750                  | 2,281                  | 1,250                  | 1,625                  | 1,9   | 1 / 1             |                                      |
| <p>Cylindrical shank with flat</p> | D4120.02-34.11F31-P45 | 1,343                  | 2,686                  | 3,82                   | 2,281                  | 1,250                  | 1,625                  | 1,953 | 1 / 1             |                                      |
|                                    | D4120.02-34.93F31-P45 | 1,375                  | 2,750                  | 3,880                  | 2,281                  | 1,250                  | 1,625                  | 1,993 | 1 / 1             |                                      |

Корпус и сборочные детали входят в комплект поставки

WALTER SELECT

Жёсткость станка, закрепления инструмента и заготовки → очень хорошая = 😊 → хорошая = 😊 → средняя = 😊

### Сборочные детали

| D <sub>c</sub> [inch]           | 0,531–0,625                | 0,656–0,781                | 0,812–0,937                | 0,968–1,125                | 1,171–1,375                 | 1,421–1,625                 | 1,687–2,25                  |
|---------------------------------|----------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|-----------------------------|-----------------------------|
| Винт пластины<br>Момент затяжки | FS2120 (T6IP)<br>0,295 lbs | FS2111 (T7IP)<br>0,664 lbs | FS1454 (T8IP)<br>0,885 lbs | FS1457 (T9IP)<br>1,475 lbs | FS2080 (T15IP)<br>1,844 lbs | FS1453 (T15IP)<br>2,581 lbs | FS1495 (T20IP)<br>3,688 lbs |

### Комплектующие

| D <sub>c</sub> [inch]              | 0,531–0,625   | 0,656–0,781   | 0,812–0,937   | 0,968–1,125   | 1,171–1,625    | 1,687–2,25     |
|------------------------------------|---------------|---------------|---------------|---------------|----------------|----------------|
| Динамометрический ключ, аналоговый | FS2002        | FS2002        | FS2002        | FS2004        | FS2004         | FS2004         |
| Динамометрический ключ, цифровой   |               |               | FS2248        | FS2248        | FS2248         | FS2248         |
| Вставка                            | FS2085 (T6IP) | FS2011 (T7IP) | FS2012 (T8IP) | FS2013 (T9IP) | FS2014 (T15IP) | FS2015 (T20IP) |
| Отвёртка                           | FS2086 (T6IP) | FS2088 (T7IP) | FS1483 (T8IP) | FS1484 (T9IP) | FS1485 (T15IP) | FS1486 (T20IP) |

### Пластины

| Обозначение  | Размер | P      |        | M      |       | K      |       | N      |        | S     |
|--|--------|--------|--------|--------|-------|--------|-------|--------|--------|-------|
|  |        | HC     |        | HC     |       | HC     |       | HC     | HW     | HC    |
|  |        | WKP25S | WKP35S | WSP45G | WXP40 | WSP45G | WXP40 | WKP25S | WKP35S | WNN15 |
| P4840C-.R-E67<br>P4840C-.R-E77<br>P4841C-.R-A57<br>P4841C-.R-E57<br>P4840C-2R-E67<br>P4840C-2R-E77<br>P4841C-2R-A57<br>P4841C-2R-E57<br>P4840C-3R-E67<br>P4840C-3R-E77<br>P4841C-3R-A57<br>P4841C-3R-E57   | 0-0.3  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |
|  | 0-0.3  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |
|  | 0-0.3  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |
|  | 0-0.3  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |
|  | 0.1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |
|  | 0.1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |
|  | 0.1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |
|  | 0.1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |
|  | 0.1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |
|  | 0.1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |
|  | 0.1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |
|  | 0.1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |
| P4840P-.R-A57<br>P4840P-.R-E57<br>P4840P-.R-E67<br>P4840P-.R-E77<br>P4841P-.R-A57<br>P4841P-.R-E57<br>P4840P-2R-A57<br>P4840P-2R-E57<br>P4840P-2R-E67<br>P4840P-2R-E77<br>P4841P-2R-A57<br>P4841P-2R-E57<br>P4840P-3R-A57<br>P4840P-3R-E57<br>P4840P-3R-E67<br>P4840P-3R-E77<br>P4841P-3R-A57<br>P4841P-3R-E57 | 0-0.3  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |
|  | 0-0.3  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |
|  | 0-0.3  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |
|  | 0-0.3  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |
|  | 0-0.3  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |
|  | 0-0.3  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |
|  | 0.1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |
|  | 0.1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |
|  | 0.1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |
|  | 0.1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |
|  | 0.1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |
|  | 0.1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |
|  | 0.1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |
|  | 0.1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |
|  | 0.1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |
|  | 0.1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |
|  | 0.1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |
|  | 0.1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |

P48...C = центральная пластина  
P48...P = периферийная пластина

HC = твёрдый сплав с покрытием  
HW = твёрдый сплав без покрытия

**WALTER SELECT** Жёсткость станка, закрепления инструмента и заготовки → очень хорошая = ☺ → хорошая = ☺ → средняя = ☺

☺ ☺ ☺ / \* = Новый инструмент

## Сверла с пластинами

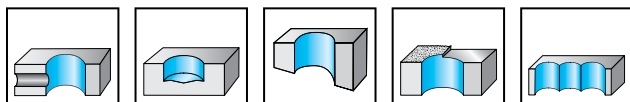
 D4120 inch

Drion-tec®



B1

|                  |       |
|------------------|-------|
| 2×D <sub>c</sub> | Z = 1 |
|------------------|-------|



|       |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|
| D4120 | P | M | K | N | S | H | O |
|       | ● | ● | ● | ● | ● |   |   |

## Инструмент

|                                    | Обозначение           | D <sub>c</sub><br>inch | L <sub>c</sub><br>inch | l <sub>4</sub><br>inch | l <sub>5</sub><br>inch | d <sub>1</sub><br>inch | d <sub>4</sub><br>inch | lbs   | Кол-во<br>пластин | Тип                                  |
|------------------------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------|-------------------|--------------------------------------|
| <p>Cylindrical shank with flat</p> | D4120.02-36.09F31-P46 | 1,421                  | 2,842                  | 3,97                   | 2,281                  | 1,250                  | 1,625                  | 1,94  | 1 / 1             | P484 . P-6R- ...<br>P484 . C-6R- ... |
|                                    | D4120.02-36.50F38-P46 | 1,437                  | 2,874                  | 4,250                  | 2,688                  | 1,500                  | 1,940                  | 2,734 | 1 / 1             |                                      |
|                                    | D4120.02-38.10F38-P46 | 1,500                  | 3,000                  | 4,380                  | 2,688                  | 1,500                  | 1,940                  | 2,939 | 1 / 1             |                                      |
|                                    | D4120.02-39.67F38-P46 | 1,562                  | 3,124                  | 4,500                  | 2,688                  | 1,500                  | 1,940                  | 2,987 | 1 / 1             |                                      |
|                                    | D4120.02-41.28F38-P46 | 1,625                  | 3,250                  | 4,630                  | 2,688                  | 1,500                  | 1,940                  | 3,064 | 1 / 1             |                                      |
| <p>Cylindrical shank with flat</p> | D4120.02-42.85F38-P47 | 1,687                  | 3,374                  | 4,750                  | 2,688                  | 1,500                  | 1,940                  | 3,025 | 1 / 1             | P484 . P-7R- ...<br>P484 . C-7R- ... |
|                                    | D4120.02-44.45F38-P47 | 1,750                  | 3,500                  | 4,880                  | 2,688                  | 1,500                  | 1,940                  | 3,166 | 1 / 1             |                                      |
|                                    | D4120.02-46.02F38-P47 | 1,812                  | 3,624                  | 5,000                  | 2,688                  | 1,500                  | 1,940                  | 3,32  | 1 / 1             |                                      |
|                                    | D4120.02-47.63F38-P47 | 1,875                  | 3,750                  | 5,130                  | 2,688                  | 1,500                  | 1,940                  | 3,499 | 1 / 1             |                                      |
|                                    | D4120.02-49.20F38-P47 | 1,937                  | 3,874                  | 5,250                  | 2,688                  | 1,500                  | 1,940                  | 3,691 | 1 / 1             |                                      |
| <p>Cylindrical shank with flat</p> | D4120.02-50.80F51-P48 | 2,000                  | 4,000                  | 5,62                   | 3,250                  | 2,000                  | 2,440                  | 5,944 | 1 / 1             | P484 . P-8R- ...<br>P484 . C-8R- ... |
|                                    | D4120.02-52.37F51-P48 | 2,062                  | 4,124                  | 5,74                   | 3,250                  | 2,000                  | 2,440                  | 6,169 | 1 / 1             |                                      |
|                                    | D4120.02-53.98F51-P48 | 2,125                  | 4,250                  | 5,87                   | 3,250                  | 2,000                  | 2,440                  | 6,418 | 1 / 1             |                                      |
|                                    | D4120.02-55.55F51-P48 | 2,187                  | 4,374                  | 5,99                   | 3,250                  | 2,000                  | 2,440                  | 6,656 | 1 / 1             |                                      |
|                                    | D4120.02-57.15F51-P48 | 2,250                  | 4,500                  | 6,12                   | 3,250                  | 2,000                  | 2,440                  | 6,925 | 1 / 1             |                                      |

Корпус и сборочные детали входят в комплект поставки

### Сборочные детали

| D <sub>c</sub> [inch]           | 0,531–0,625                | 0,656–0,781                | 0,812–0,937                | 0,968–1,125                | 1,171–1,375                 | 1,421–1,625                 | 1,687–2,25                  |
|---------------------------------|----------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|-----------------------------|-----------------------------|
| Винт пластины<br>Момент затяжки | FS2120 (T6IP)<br>0,295 lbs | FS2111 (T7IP)<br>0,664 lbs | FS1454 (T8IP)<br>0,885 lbs | FS1457 (T9IP)<br>1,475 lbs | FS2080 (T15IP)<br>1,844 lbs | FS1453 (T15IP)<br>2,581 lbs | FS1495 (T20IP)<br>3,688 lbs |

### Комплектующие

| D <sub>c</sub> [inch]              | 0,531–0,625   | 0,656–0,781   | 0,812–0,937   | 0,968–1,125   | 1,171–1,625    | 1,687–2,25     |
|------------------------------------|---------------|---------------|---------------|---------------|----------------|----------------|
| Динамометрический ключ, аналоговый | FS2002        | FS2002        | FS2002        | FS2004        | FS2004         | FS2004         |
| Динамометрический ключ, цифровой   |               |               | FS2248        | FS2248        | FS2248         | FS2248         |
| Вставка                            | FS2085 (T6IP) | FS2011 (T7IP) | FS2012 (T8IP) | FS2013 (T9IP) | FS2014 (T15IP) | FS2015 (T20IP) |
| Отвёртка                           | FS2086 (T6IP) | FS2088 (T7IP) | FS1483 (T8IP) | FS1484 (T9IP) | FS1485 (T15IP) | FS1486 (T20IP) |

### Пластины

| Обозначение | Размер        | P      |        | M      |       | K      |       | N      |        | S     |       |
|-------------|---------------|--------|--------|--------|-------|--------|-------|--------|--------|-------|-------|
|             |               | HC     |        | HC     |       | HC     |       | HC     | HW     | HC    |       |
|             |               | WKP25S | WKP35S | WSP45G | WXP40 | WSP45G | WXP40 | WKP25S | WKP35S | WNN15 | WNN15 |
|             | P4840C-.R-E67 | 0-0.3  | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      |        |       | ☺     |
|             | P4840C-.R-E77 | 0-0.3  |        |        |       |        |       |        | ☺      | ☺     |       |
|             | P4841C-.R-A57 | 0-0.3  | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4841C-.R-E57 | 0-0.3  | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4840C-2R-E67 | 0.1    | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4840C-2R-E77 | 0.1    |        |        |       |        |       |        | ☺      | ☺     |       |
|             | P4841C-2R-A57 | 0.1    | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4841C-2R-E57 | 0.1    | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4840C-3R-E67 | 0.1    | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4840C-3R-E77 | 0.1    |        |        |       |        |       |        | ☺      | ☺     |       |
|             | P4841C-3R-A57 | 0.1    | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4841C-3R-E57 | 0.1    | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4840P-.R-A57 | 0-0.3  | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      |        |       | ☺     |
|             | P4840P-.R-E57 | 0-0.3  | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4840P-.R-E67 | 0-0.3  | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4840P-.R-E77 | 0-0.3  |        |        |       |        |       |        | ☺      | ☺     |       |
|             | P4841P-.R-A57 | 0-0.3  | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4841P-.R-E57 | 0-0.3  | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4840P-2R-A57 | 0.1    | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4840P-2R-E57 | 0.1    | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4840P-2R-E67 | 0.1    | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4840P-2R-E77 | 0.1    |        |        |       |        |       |        | ☺      | ☺     |       |
|             | P4841P-2R-A57 | 0.1    | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4841P-2R-E57 | 0.1    | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4840P-3R-A57 | 0.1    | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4840P-3R-E57 | 0.1    | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4840P-3R-E67 | 0.1    | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4840P-3R-E77 | 0.1    |        |        |       |        |       |        | ☺      | ☺     |       |
|             | P4841P-3R-A57 | 0.1    | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4841P-3R-E57 | 0.1    | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |

P48...C = центральная пластина  
P48...P = периферийная пластина

HC = твёрдый сплав с покрытием  
HW = твёрдый сплав без покрытия

### WALTER SELECT

Жёсткость станка, закрепления инструмента и заготовки → очень хорошая = ☺ → хорошая = ☺ → средняя = ☺

☺ ☺ ☺ / \* = Новый инструмент

Свёрла с пластинами В 269

B1

## Сверла с пластинами

 D4120 

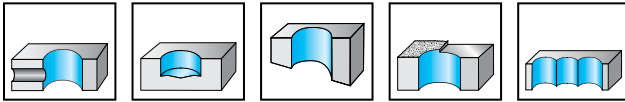
Drion-tec®



B1

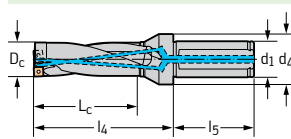
 3×D<sub>c</sub>

Z = 1



|       |     |     |     |     |     |   |   |
|-------|-----|-----|-----|-----|-----|---|---|
| D4120 | P   | M   | K   | N   | S   | H | O |
|       | ●●● | ●●● | ●●● | ●●● | ●●● |   |   |

## Инструмент



Cylindrical shank with flat

| Обозначение           | D <sub>c</sub><br>mm | L <sub>c</sub><br>mm | l <sub>4</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>mm | d <sub>4</sub><br>mm | kg   | Кол-во<br>пластин | Тип                                  |
|-----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|------|-------------------|--------------------------------------|
| D4120-03-13.50F20-P41 | 13,5                 | 40,5                 | 60,5                 | 50                   | 20                   | 25                   | 0,16 | 1 / 1             | P484 . P-1R- ...<br>P484 . C-1R- ... |
| D4120-03-14.00F20-P41 | 14                   | 42                   | 62                   | 50                   | 20                   | 25                   | 0,17 | 1 / 1             |                                      |
| D4120-03-14.50F20-P41 | 14,5                 | 43,5                 | 63,5                 | 50                   | 20                   | 25                   | 0,2  | 1 / 1             |                                      |
| D4120-03-15.00F20-P41 | 15                   | 45                   | 65                   | 50                   | 20                   | 25                   | 0,2  | 1 / 1             |                                      |
| D4120-03-15.50F20-P41 | 15,5                 | 46,5                 | 66,5                 | 50                   | 20                   | 25                   | 0,21 | 1 / 1             |                                      |
| D4120-03-16.00F25-P41 | 16                   | 48                   | 73                   | 56                   | 25                   | 35                   | 0,37 | 1 / 1             |                                      |
| D4120-03-16.50F25-P42 | 16,5                 | 49,5                 | 75                   | 56                   | 25                   | 35                   | 0,2  | 1 / 1             | P484 . P-2R- ...<br>P484 . C-2R- ... |
| D4120-03-17.00F25-P42 | 17                   | 51                   | 76                   | 56                   | 25                   | 35                   | 0,35 | 1 / 1             |                                      |
| D4120-03-17.50F25-P42 | 17,5                 | 52,5                 | 77,5                 | 56                   | 25                   | 35                   | 0,4  | 1 / 1             |                                      |
| D4120-03-18.00F25-P42 | 18                   | 54                   | 79                   | 56                   | 25                   | 35                   | 0,36 | 1 / 1             |                                      |
| D4120-03-18.50F25-P42 | 18,5                 | 55,5                 | 80,5                 | 56                   | 25                   | 35                   | 0,39 | 1 / 1             |                                      |
| D4120-03-19.00F25-P42 | 19                   | 57                   | 82                   | 56                   | 25                   | 35                   | 0,4  | 1 / 1             |                                      |
| D4120-03-19.50F25-P42 | 19,5                 | 58,5                 | 84                   | 56                   | 25                   | 35                   | 0,4  | 1 / 1             |                                      |
| D4120-03-20.00F25-P42 | 20                   | 60                   | 85                   | 56                   | 25                   | 35                   | 0,43 | 1 / 1             |                                      |
| D4120-03-20.50F25-P43 | 20,5                 | 61,5                 | 87                   | 56                   | 25                   | 35                   | 0,43 | 1 / 1             | P484 . P-3R- ...<br>P484 . C-3R- ... |
| D4120-03-21.00F25-P43 | 21                   | 63                   | 88                   | 56                   | 25                   | 35                   | 0,43 | 1 / 1             |                                      |
| D4120-03-21.50F25-P43 | 21,5                 | 64,5                 | 90                   | 56                   | 25                   | 35                   | 0,44 | 1 / 1             |                                      |
| D4120-03-22.00F25-P43 | 22                   | 66                   | 91                   | 56                   | 25                   | 35                   | 0,43 | 1 / 1             |                                      |
| D4120-03-22.50F25-P43 | 22,5                 | 67,5                 | 93                   | 56                   | 25                   | 35                   | 0,46 | 1 / 1             |                                      |
| D4120-03-23.00F25-P43 | 23                   | 69                   | 94                   | 56                   | 25                   | 35                   | 0,43 | 1 / 1             |                                      |
| D4120-03-23.50F25-P43 | 23,5                 | 70,5                 | 96                   | 56                   | 25                   | 35                   | 0,51 | 1 / 1             |                                      |
| D4120-03-24.00F25-P43 | 24                   | 72                   | 97                   | 56                   | 25                   | 35                   | 0,49 | 1 / 1             |                                      |
| D4120-03-24.50F25-P44 | 24,5                 | 73,5                 | 99                   | 56                   | 25                   | 35                   | 0,47 | 1 / 1             | P484 . P-4R- ...<br>P484 . C-4R- ... |
| D4120-03-25.00F25-P44 | 25                   | 75                   | 100                  | 56                   | 25                   | 35                   | 0,48 | 1 / 1             |                                      |
| D4120-03-25.50F32-P44 | 25,5                 | 76,5                 | 109                  | 60                   | 32                   | 42                   | 0,78 | 1 / 1             |                                      |
| D4120-03-26.00F32-P44 | 26                   | 78                   | 110                  | 60                   | 32                   | 42                   | 0,71 | 1 / 1             |                                      |
| D4120-03-26.50F32-P44 | 26,5                 | 79,5                 | 112                  | 60                   | 32                   | 42                   | 0,77 | 1 / 1             |                                      |
| D4120-03-27.00F32-P44 | 27                   | 81                   | 113                  | 60                   | 32                   | 42                   | 0,74 | 1 / 1             |                                      |
| D4120-03-27.50F32-P44 | 27,5                 | 82,5                 | 115                  | 60                   | 32                   | 42                   | 0,83 | 1 / 1             |                                      |
| D4120-03-28.00F32-P44 | 28                   | 84                   | 116                  | 60                   | 32                   | 42                   | 0,83 | 1 / 1             |                                      |
| D4120-03-28.50F32-P44 | 28,5                 | 85,5                 | 118                  | 60                   | 32                   | 42                   | 0,78 | 1 / 1             |                                      |
| D4120-03-29.00F32-P44 | 29                   | 87                   | 119                  | 60                   | 32                   | 42                   | 0,87 | 1 / 1             |                                      |

Корпус и сборочные детали входят в комплект поставки

WALTER SELECT

Жёсткость станка, закрепления инструмента и заготовки → очень хорошая = 😊 → хорошая = 😊 → средняя = 😊

### Сборочные детали

| D <sub>c</sub> [mm]             | 13,5–16                 | 16,5–20                 | 20,5–24                 | 24,5–29               | 29,5–35                  | 35,5–42                  | 43–59                  |
|---------------------------------|-------------------------|-------------------------|-------------------------|-----------------------|--------------------------|--------------------------|------------------------|
| Винт пластины<br>Момент затяжки | FS2120 (T6IP)<br>0,4 Nm | FS2111 (T7IP)<br>0,9 Nm | FS1454 (T8IP)<br>1,2 Nm | FS1457 (T9IP)<br>2 Nm | FS2080 (T15IP)<br>2,5 Nm | FS1453 (T15IP)<br>3,5 Nm | FS1495 (T20IP)<br>5 Nm |

### Комплектующие

| D <sub>c</sub> [mm]                | 13,5–16       | 16,5–20       | 20,5–24       | 24,5–29       | 29,5–42        | 43–59          |
|------------------------------------|---------------|---------------|---------------|---------------|----------------|----------------|
| Динамометрический ключ, аналоговый | FS2001        | FS2001        | FS2001        | FS2003        | FS2003         | FS2003         |
| Динамометрический ключ, цифровой   |               |               | FS2248        | FS2248        | FS2248         | FS2248         |
| Вставка                            | FS2085 (T6IP) | FS2011 (T7IP) | FS2012 (T8IP) | FS2013 (T9IP) | FS2014 (T15IP) | FS2015 (T20IP) |
| Отвёртка                           | FS2086 (T6IP) | FS2088 (T7IP) | FS1483 (T8IP) | FS1484 (T9IP) | FS1485 (T15IP) | FS1486 (T20IP) |

### Пластины

| Обозначение | Размер        | P      |        | M      |       | K      |       | N      |        | S     |      |
|-------------|---------------|--------|--------|--------|-------|--------|-------|--------|--------|-------|------|
|             |               | HC     |        | HC     |       | HC     |       | HC     | HW     | HC    |      |
|             |               | WKP25S | WKP35S | WSP45G | WXP40 | WSP45G | WXP40 | WKP25S | WKP35S | WNN15 | WN15 |
|             | P4840C-R-E67  | 1-8    | ☞      | ☞      | ☞     | ☞      | ☞     |        |        |       | ☞    |
|             | P4840C-R-E77  | 1-8    |        |        |       |        |       |        | ☞      | ☞     |      |
|             | P4841C-R-A57  | 1-8    | ☞      | ☞      | ☞     | ☞      | ☞     |        |        |       | ☞    |
|             | P4841C-R-E57  | 1-8    | ☞      | ☞      | ☞     | ☞      | ☞     |        |        |       | ☞    |
|             | P4840C-2R-E67 | 2      | ☞      | ☞      | ☞     | ☞      | ☞     |        |        |       | ☞    |
|             | P4840C-2R-E77 | 2      |        |        |       |        |       |        | ☞      | ☞     |      |
|             | P4841C-2R-A57 | 2      | ☞      | ☞      | ☞     | ☞      | ☞     |        |        |       | ☞    |
|             | P4841C-2R-E57 | 2      | ☞      | ☞      | ☞     | ☞      | ☞     |        |        |       | ☞    |
|             | P4840C-3R-E67 | 3      | ☞      | ☞      | ☞     | ☞      | ☞     |        |        |       | ☞    |
|             | P4840C-3R-E77 | 3      |        |        |       |        |       |        | ☞      | ☞     |      |
|             | P4841C-3R-A57 | 3      | ☞      | ☞      | ☞     | ☞      | ☞     |        |        |       | ☞    |
|             | P4841C-3R-E57 | 3      | ☞      | ☞      | ☞     | ☞      | ☞     |        |        |       | ☞    |
|             | P4840P-R-A57  | 1-8    | ☞      | ☞      | ☞     | ☞      | ☞     |        |        |       | ☞    |
|             | P4840P-R-E57  | 1-8    | ☞      | ☞      | ☞     | ☞      | ☞     |        |        |       | ☞    |
|             | P4840P-R-E67  | 1-8    | ☞      | ☞      | ☞     | ☞      | ☞     |        |        |       | ☞    |
|             | P4840P-R-E77  | 1-8    |        |        |       |        |       |        | ☞      | ☞     |      |
|             | P4841P-R-A57  | 1-8    | ☞      | ☞      | ☞     | ☞      | ☞     |        |        |       | ☞    |
|             | P4841P-R-E57  | 1-8    | ☞      | ☞      | ☞     | ☞      | ☞     |        |        |       | ☞    |
|             | P4840P-2R-A57 | 2      | ☞      | ☞      | ☞     | ☞      | ☞     |        |        |       | ☞    |
|             | P4840P-2R-E57 | 2      | ☞      | ☞      | ☞     | ☞      | ☞     |        |        |       | ☞    |
|             | P4840P-2R-E67 | 2      | ☞      | ☞      | ☞     | ☞      | ☞     |        |        |       | ☞    |
|             | P4840P-2R-E77 | 2      |        |        |       |        |       |        | ☞      | ☞     |      |
|             | P4841P-2R-A57 | 2      | ☞      | ☞      | ☞     | ☞      | ☞     |        |        |       | ☞    |
|             | P4841P-2R-E57 | 2      | ☞      | ☞      | ☞     | ☞      | ☞     |        |        |       | ☞    |
|             | P4840P-3R-A57 | 3      | ☞      | ☞      | ☞     | ☞      | ☞     |        |        |       | ☞    |
|             | P4840P-3R-E57 | 3      | ☞      | ☞      | ☞     | ☞      | ☞     |        |        |       | ☞    |
|             | P4840P-3R-E67 | 3      | ☞      | ☞      | ☞     | ☞      | ☞     |        |        |       | ☞    |
|             | P4840P-3R-E77 | 3      |        |        |       |        |       |        | ☞      | ☞     |      |
|             | P4841P-3R-A57 | 3      | ☞      | ☞      | ☞     | ☞      | ☞     |        |        |       | ☞    |
|             | P4841P-3R-E57 | 3      | ☞      | ☞      | ☞     | ☞      | ☞     |        |        |       | ☞    |

HC = Coated carbide  
HW = Uncoated carbide

### WALTER SELECT

Жёсткость станка, закрепления инструмента и заготовки → очень хорошая = ☺ → хорошая = ☹ → средняя = ☹

☺ ☹ ☹ / \* = Новый инструмент

## Сверла с пластинами

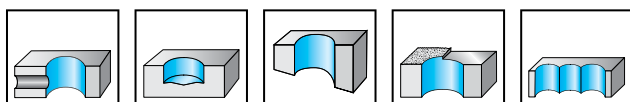
 D4120 

Drion-tec®



B1

|                  |       |
|------------------|-------|
| 3×D <sub>c</sub> | Z = 1 |
|------------------|-------|



|       |    |    |    |    |    |   |   |
|-------|----|----|----|----|----|---|---|
| D4120 | P  | M  | K  | N  | S  | H | O |
|       | ●● | ●● | ●● | ●● | ●● |   |   |

## Инструмент

| Обозначение           | D <sub>c</sub><br>mm | L <sub>c</sub><br>mm | l <sub>4</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>mm | d <sub>4</sub><br>mm | kg   | Кол-во<br>пластин | Тип                                  |
|-----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|------|-------------------|--------------------------------------|
| D4120-03-29.50F32-P45 | 29,5                 | 88,5                 | 121                  | 60                   | 32                   | 42                   | 0,88 | 1 / 1             | P484 . P-5R- ...<br>P484 . C-5R- ... |
| D4120-03-30.00F32-P45 | 30                   | 90                   | 122                  | 60                   | 32                   | 42                   | 0,82 | 1 / 1             |                                      |
| D4120-03-30.50F32-P45 | 30,5                 | 91,5                 | 124                  | 60                   | 32                   | 42                   | 0,84 | 1 / 1             |                                      |
| D4120-03-31.00F32-P45 | 31                   | 93                   | 125                  | 60                   | 32                   | 42                   | 0,93 | 1 / 1             |                                      |
| D4120-03-31.50F32-P45 | 31,5                 | 94,5                 | 127                  | 60                   | 32                   | 42                   | 0,88 | 1 / 1             |                                      |
| D4120-03-32.00F32-P45 | 32                   | 96                   | 128                  | 60                   | 32                   | 42                   | 0,95 | 1 / 1             |                                      |
| D4120-03-32.50F32-P45 | 32,5                 | 97,5                 | 130                  | 60                   | 32                   | 42                   | 0,92 | 1 / 1             |                                      |
| D4120-03-33.00F32-P45 | 33                   | 99                   | 131                  | 60                   | 32                   | 42                   | 0,93 | 1 / 1             |                                      |
| D4120-03-33.50F32-P45 | 33,5                 | 100,5                | 133                  | 60                   | 32                   | 42                   | 0,96 | 1 / 1             |                                      |
| D4120-03-34.00F32-P45 | 34                   | 102                  | 134                  | 60                   | 32                   | 42                   | 0,97 | 1 / 1             |                                      |
| D4120-03-34.50F32-P45 | 34,5                 | 103,5                | 136                  | 60                   | 32                   | 42                   | 1    | 1 / 1             |                                      |
| D4120-03-35.00F32-P45 | 35                   | 105                  | 137                  | 60                   | 32                   | 42                   | 1,08 | 1 / 1             |                                      |
| D4120-03-35.50F32-P46 | 35,5                 | 106,5                | 139                  | 60                   | 32                   | 42                   | 1    | 1 / 1             | P484 . P-6R- ...<br>P484 . C-6R- ... |
| D4120-03-36.00F32-P46 | 36                   | 108                  | 140                  | 60                   | 32                   | 42                   | 1,02 | 1 / 1             |                                      |
| D4120-03-36.50F32-P46 | 36,5                 | 109,5                | 142                  | 60                   | 32                   | 42                   | 1,04 | 1 / 1             |                                      |
| D4120-03-37.00F40-P46 | 37                   | 111                  | 151                  | 70                   | 40                   | 50                   | 1,68 | 1 / 1             |                                      |
| D4120-03-37.50F40-P46 | 37,5                 | 112,5                | 153                  | 70                   | 40                   | 50                   | 1,55 | 1 / 1             |                                      |
| D4120-03-38.00F40-P46 | 38                   | 114                  | 154                  | 70                   | 40                   | 50                   | 1,17 | 1 / 1             |                                      |
| D4120-03-38.50F40-P46 | 38,5                 | 115,5                | 156                  | 70                   | 40                   | 50                   | 1,6  | 1 / 1             |                                      |
| D4120-03-39.00F40-P46 | 39                   | 117                  | 157                  | 70                   | 40                   | 50                   | 1,76 | 1 / 1             |                                      |
| D4120-03-39.50F40-P46 | 39,5                 | 118,5                | 159                  | 70                   | 40                   | 50                   | 1,66 | 1 / 1             |                                      |
| D4120-03-40.00F40-P46 | 40                   | 120                  | 160                  | 70                   | 40                   | 50                   | 1,68 | 1 / 1             |                                      |
| D4120-03-40.50F40-P46 | 40,5                 | 121,5                | 162                  | 70                   | 40                   | 50                   | 1,71 | 1 / 1             |                                      |
| D4120-03-41.00F40-P46 | 41                   | 123                  | 163                  | 70                   | 40                   | 50                   | 1,82 | 1 / 1             |                                      |
| D4120-03-41.50F40-P46 | 41,5                 | 124,5                | 165                  | 70                   | 40                   | 50                   | 1,78 | 1 / 1             |                                      |
| D4120-03-42.00F40-P46 | 42                   | 126                  | 166                  | 70                   | 40                   | 50                   | 1,94 | 1 / 1             |                                      |
| D4120-03-43.00F40-P47 | 43                   | 129                  | 169                  | 70                   | 40                   | 50                   | 1,79 | 1 / 1             | P484 . P-7R- ...<br>P484 . C-7R- ... |
| D4120-03-44.00F40-P47 | 44                   | 132                  | 172                  | 70                   | 40                   | 50                   | 2,03 | 1 / 1             |                                      |
| D4120-03-45.00F40-P47 | 45                   | 135                  | 175                  | 70                   | 40                   | 50                   | 1,92 | 1 / 1             |                                      |
| D4120-03-46.00F40-P47 | 46                   | 138                  | 178                  | 70                   | 40                   | 50                   | 2,17 | 1 / 1             |                                      |
| D4120-03-47.00F40-P47 | 47                   | 141                  | 181                  | 70                   | 40                   | 50                   | 2,18 | 1 / 1             |                                      |
| D4120-03-48.00F40-P47 | 48                   | 144                  | 184                  | 70                   | 40                   | 50                   | 2,15 | 1 / 1             |                                      |
| D4120-03-49.00F40-P47 | 49                   | 147                  | 187                  | 70                   | 40                   | 50                   | 2,33 | 1 / 1             |                                      |
| D4120-03-50.00F40-P47 | 50                   | 150                  | 190                  | 70                   | 40                   | 50                   | 2,45 | 1 / 1             |                                      |


Корпус и сборочные детали входят в комплект поставки

WALTER SELECT




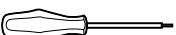
Жёсткость станка, закрепления инструмента и заготовки → очень хорошая = 😊 → хорошая = 😊 → средняя = 😊





## Сборочные детали

| D <sub>c</sub> [mm]   | 13,5–16                 | 16,5–20                 | 20,5–24                 | 24,5–29               | 29,5–35                  | 35,5–42                  | 43–59                  |
|---|-------------------------|-------------------------|-------------------------|-----------------------|--------------------------|--------------------------|------------------------|
|  Винт пластины<br>Момент затяжки | FS2120 (T6IP)<br>0,4 Nm | FS2111 (T7IP)<br>0,9 Nm | FS1454 (T8IP)<br>1,2 Nm | FS1457 (T9IP)<br>2 Nm | FS2080 (T15IP)<br>2,5 Nm | FS1453 (T15IP)<br>3,5 Nm | FS1495 (T20IP)<br>5 Nm |

## Комплектующие

| D <sub>c</sub> [mm]  | 13,5–16       | 16,5–20       | 20,5–24       | 24,5–29       | 29,5–42        | 43–59          |
|--|---------------|---------------|---------------|---------------|----------------|----------------|
|  Динамометрический ключ, аналоговый | FS2001        | FS2001        | FS2001        | FS2003        | FS2003         | FS2003         |
|  Динамометрический ключ, цифровой   |               |               | FS2248        | FS2248        | FS2248         | FS2248         |
|  Вставка                            | FS2085 (T6IP) | FS2011 (T7IP) | FS2012 (T8IP) | FS2013 (T9IP) | FS2014 (T15IP) | FS2015 (T20IP) |
|  Отвёртка                           | FS2086 (T6IP) | FS2088 (T7IP) | FS1483 (T8IP) | FS1484 (T9IP) | FS1485 (T15IP) | FS1486 (T20IP) |

## Пластины

| Обозначение   | Размер        | P      |        | M      |       | K      |       | N      |        | S     |      |
|---|---------------|--------|--------|--------|-------|--------|-------|--------|--------|-------|------|
|   |               | HC     |        | HC     |       | HC     |       | HC     | HW     | HC    |      |
|   |               | WKP25S | WKP35S | WSP45G | WXP40 | WSP45G | WXP40 | WKP25S | WKP35S | WNN15 | WN15 |
|    | P4840C-R-E67  | 1-8    | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      |        |       | ☺    |
|   | P4840C-R-E77  | 1-8    |        |        |       |        |       |        | ☺      | ☺     |      |
|   | P4841C-R-A57  | 1-8    | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺    |
|   | P4841C-R-E57  | 1-8    | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺    |
|   | P4840C-2R-E67 | 2      | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺    |
|   | P4840C-2R-E77 | 2      |        |        |       |        |       |        | ☺      | ☺     |      |
|   | P4841C-2R-A57 | 2      | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺    |
|   | P4841C-2R-E57 | 2      | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺    |
|   | P4840C-3R-E67 | 3      | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺    |
|   | P4840C-3R-E77 | 3      |        |        |       |        |       |        | ☺      | ☺     |      |
| P4841C-3R-A57   | 3             | ☺      | ☺      | ☺      | ☺     | ☺      |       |        |        | ☺     |      |
| P4841C-3R-E57   | 3             | ☺      | ☺      | ☺      | ☺     | ☺      |       |        |        | ☺     |      |
|  | P4840P-R-A57  | 1-8    | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺    |
|   | P4840P-R-E57  | 1-8    | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺    |
|   | P4840P-R-E67  | 1-8    | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺    |
|   | P4840P-R-E77  | 1-8    |        |        |       |        |       |        | ☺      | ☺     |      |
|   | P4841P-R-A57  | 1-8    | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺    |
|   | P4841P-R-E57  | 1-8    | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺    |
|   | P4840P-2R-A57 | 2      | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺    |
|   | P4840P-2R-E57 | 2      | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺    |
|   | P4840P-2R-E67 | 2      | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺    |
|   | P4840P-2R-E77 | 2      |        |        |       |        |       |        | ☺      | ☺     |      |
|   | P4841P-2R-A57 | 2      | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺    |
|   | P4841P-2R-E57 | 2      | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺    |
|   | P4840P-3R-A57 | 3      | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺    |
|   | P4840P-3R-E57 | 3      | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺    |
|   | P4840P-3R-E67 | 3      | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺    |
|   | P4840P-3R-E77 | 3      |        |        |       |        |       |        | ☺      | ☺     |      |
|   | P4841P-3R-A57 | 3      | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺    |
| P4841P-3R-E57   | 3             | ☺      | ☺      | ☺      | ☺     | ☺      |       |        |        | ☺     |      |

HC = Coated carbide  
HW = Uncoated carbide

WALTER SELECT

Жёсткость станка, закрепления инструмента и заготовки → очень хорошая = ☺ → хорошая = ☺ → средняя = ☺

☺ ☺ ☺ / \* = Новый инструмент

Свёрла с пластинами В 273

## Сверла с пластинами

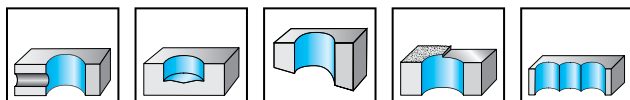
 D4120 

Drion-tec®



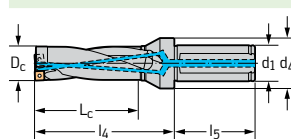
B1

|                  |       |
|------------------|-------|
| 3×D <sub>C</sub> | Z = 1 |
|------------------|-------|



|       |    |    |    |    |    |   |   |
|-------|----|----|----|----|----|---|---|
|       | P  | M  | K  | N  | S  | H | O |
| D4120 | ●● | ●● | ●● | ●● | ●● |   |   |

## Инструмент




Cylindrical shank with flat

| Обозначение           | D <sub>c</sub><br>mm | L <sub>c</sub><br>mm | l <sub>4</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>mm | d <sub>4</sub><br>mm | kg   | Кол-во<br>пластин | Тип             |
|-----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|------|-------------------|-----------------|
| D4120-03-51.00F40-P48 | 51                   | 153                  | 193                  | 70                   | 40                   | 50                   | 2,5  | 1 / 1             | P484 . P-8R-... |
| D4120-03-52.00F40-P48 | 52                   | 156                  | 196                  | 70                   | 40                   | 50                   | 2,6  | 1 / 1             | P484 . C-8R-... |
| D4120-03-53.00F40-P48 | 53                   | 159                  | 199                  | 70                   | 40                   | 50                   | 2,69 | 1 / 1             |                 |
| D4120-03-54.00F40-P48 | 54                   | 162                  | 202                  | 70                   | 40                   | 50                   | 2,8  | 1 / 1             |                 |
| D4120-03-55.00F40-P48 | 55                   | 165                  | 205                  | 70                   | 40                   | 50                   | 2,9  | 1 / 1             |                 |
| D4120-03-56.00F40-P48 | 56                   | 168                  | 208                  | 70                   | 40                   | 50                   | 3    | 1 / 1             |                 |
| D4120-03-57.00F40-P48 | 57                   | 171                  | 211                  | 70                   | 40                   | 50                   | 3,12 | 1 / 1             |                 |
| D4120-03-58.00F40-P48 | 58                   | 174                  | 214                  | 70                   | 40                   | 50                   | 3,23 | 1 / 1             |                 |
| D4120-03-59.00F40-P48 | 59                   | 177                  | 217                  | 70                   | 40                   | 50                   | 3,36 | 1 / 1             |                 |

Корпус и сборочные детали входят в комплект поставки



## Сборочные детали

| D <sub>c</sub> [mm]   | 13,5–16                    | 16,5–20                    | 20,5–24                    | 24,5–29                  | 29,5–35                     | 35,5–42                     | 43–59                     |
|---|----------------------------|----------------------------|----------------------------|--------------------------|-----------------------------|-----------------------------|---------------------------|
|  Винт пластины<br>Момент затяжки | FS2120<br>(T6IP)<br>0,4 Nm | FS2111<br>(T7IP)<br>0,9 Nm | FS1454<br>(T8IP)<br>1,2 Nm | FS1457<br>(T9IP)<br>2 Nm | FS2080<br>(T15IP)<br>2,5 Nm | FS1453<br>(T15IP)<br>3,5 Nm | FS1495<br>(T20IP)<br>5 Nm |

## Комплектующие

| D <sub>c</sub> [mm]  | 13,5–16       | 16,5–20       | 20,5–24       | 24,5–29       | 29,5–42        | 43–59          |
|--|---------------|---------------|---------------|---------------|----------------|----------------|
|  Динамометрический ключ, аналоговый | FS2001        | FS2001        | FS2001        | FS2003        | FS2003         | FS2003         |
|  Динамометрический ключ, цифровой   |               |               | FS2248        | FS2248        | FS2248         | FS2248         |
|  Вставка                            | FS2085 (T6IP) | FS2011 (T7IP) | FS2012 (T8IP) | FS2013 (T9IP) | FS2014 (T15IP) | FS2015 (T20IP) |
|  Отвёртка                           | FS2086 (T6IP) | FS2088 (T7IP) | FS1483 (T8IP) | FS1484 (T9IP) | FS1485 (T15IP) | FS1486 (T20IP) |

## Пластины

| Обозначение   | Размер  | P            |        | M      |       | K      |       | N      |        | S     |       |        |
|---|---|--------------|--------|--------|-------|--------|-------|--------|--------|-------|-------|--------|
|   |   | HC           |        | HC     |       | HC     |       | HC     | HW     | HC    |       |        |
|   |   | WKP25S       | WKP35S | WSP45G | WXP40 | WSP45G | WXP40 | WKP25S | WKP35S | WNN15 | WNN15 | WSP45G |
|  | P4840C-R-E67  | 1-8          | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      |        |       | ☺     |        |
|   | P4840C-R-E77  | 1-8          |        |        |       |        |       |        | ☺      | ☺     |       |        |
|   | P4841C-R-A57  | 1-8          | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |        |
|   | P4841C-R-E57  | 1-8          | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |        |
|   | P4840C-2R-E67   | 2            | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |        |
|   | P4840C-2R-E77   | 2            |        |        |       |        |       |        | ☺      | ☺     |       |        |
|   | P4841C-2R-A57   | 2            | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |        |
|   | P4841C-2R-E57   | 2            | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |        |
|   | P4840C-3R-E67   | 3            | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |        |
|   | P4840C-3R-E77   | 3            |        |        |       |        |       |        | ☺      | ☺     |       |        |
|   | P4841C-3R-A57   | 3            | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |        |
|   | P4841C-3R-E57   | 3            | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |        |
|   |  | P4840P-R-A57 | 1-8    | ☺      | ☺     | ☺      | ☺     | ☺      |        |       |       | ☺      |
|   |   | P4840P-R-E57 | 1-8    | ☺      | ☺     | ☺      | ☺     | ☺      |        |       |       | ☺      |
|   |   | P4840P-R-E67 | 1-8    | ☺      | ☺     | ☺      | ☺     | ☺      |        |       |       | ☺      |
| P4840P-R-E77  |   | 1-8          |        |        |       |        |       |        | ☺      | ☺     |       |        |
| P4841P-R-A57  |   | 1-8          | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |        |
| P4841P-R-E57  |   | 1-8          | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |        |
| P4840P-2R-A57   |   | 2            | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |        |
| P4840P-2R-E57   |   | 2            | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |        |
| P4840P-2R-E67   |   | 2            | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |        |
| P4840P-2R-E77   |   | 2            |        |        |       |        |       |        | ☺      | ☺     |       |        |
| P4841P-2R-A57   |   | 2            | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |        |
| P4841P-2R-E57   |   | 2            | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |        |
| P4840P-3R-A57   |   | 3            | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |        |
| P4840P-3R-E57   |   | 3            | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |        |
| P4840P-3R-E67   |   | 3            | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |        |
| P4840P-3R-E77   | 3   |              |        |        |       |        |       | ☺      | ☺      |       |       |        |
| P4841P-3R-A57   | 3   | ☺            | ☺      | ☺      | ☺     | ☺      |       |        |        | ☺     |       |        |
| P4841P-3R-E57   | 3   | ☺            | ☺      | ☺      | ☺     | ☺      |       |        |        | ☺     |       |        |

HC = Coated carbide  
HW = Uncoated carbide

WALTER SELECT

Жёсткость станка, закрепления инструмента и заготовки → очень хорошая = ☺ → хорошая = ☺ → средняя = ☺

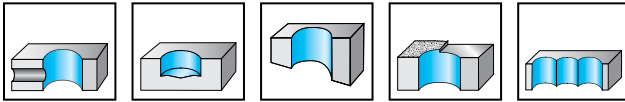
☺ ☺ ☺ / \* = Новый инструмент

Свёрла с пластинами В 275

## Сверла с пластинами

 D4120 inch

Drion-tec®


3×D<sub>C</sub>
Z = 1


|       |    |    |    |    |    |   |   |
|-------|----|----|----|----|----|---|---|
| D4120 | P  | M  | K  | N  | S  | H | O |
|       | ●● | ●● | ●● | ●● | ●● |   |   |

**Инструмент**

|                                    | Обозначение           | D <sub>C</sub><br>inch | L <sub>C</sub><br>inch | l <sub>4</sub><br>inch | l <sub>5</sub><br>inch | d <sub>1</sub><br>inch | d <sub>4</sub><br>inch | lbs   | Кол-во<br>пластин | Тип                                  |                                      |
|------------------------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------|-------------------|--------------------------------------|--------------------------------------|
| <p>Cylindrical shank with flat</p> | D4120.03-13.49F19-P41 | 0,531                  | 1,593                  | 2,380                  | 2,031                  | 0,750                  | 1,125                  | 0,419 | 1 / 1             | P484 . P-1R- ...<br>P484 . C-1R- ... |                                      |
|                                    | D4120.03-13.89F19-P41 | 0,547                  | 1,641                  | 2,428                  | 2,031                  | 0,750                  | 1,125                  | 0,373 | 1 / 1             |                                      |                                      |
|                                    | D4120.03-14.27F19-P41 | 0,562                  | 1,686                  | 2,473                  | 2,031                  | 0,750                  | 1,125                  | 0,531 | 1 / 1             |                                      |                                      |
|                                    | D4120.03-14.68F19-P41 | 0,578                  | 1,734                  | 2,521                  | 2,031                  | 0,750                  | 1,125                  | 0,538 | 1 / 1             |                                      |                                      |
|                                    | D4120.03-15.09F19-P41 | 0,594                  | 1,782                  | 2,569                  | 2,031                  | 0,750                  | 1,125                  | 0,441 | 1 / 1             |                                      |                                      |
|                                    | D4120.03-15.47F19-P41 | 0,609                  | 1,827                  | 2,614                  | 2,031                  | 0,750                  | 1,125                  | 0,452 | 1 / 1             |                                      |                                      |
|                                    | D4120.03-15.88F19-P41 | 0,625                  | 1,875                  | 2,662                  | 2,031                  | 0,750                  | 1,125                  | 0,465 | 1 / 1             |                                      |                                      |
|                                    | D4120.03-16.66F26-P42 | 0,656                  | 1,968                  | 2,97                   | 2,281                  | 1,000                  | 1,375                  | 0,948 | 1 / 1             |                                      | P484 . P-2R- ...<br>P484 . C-2R- ... |
|                                    | D4120.03-17.04F26-P42 | 0,671                  | 2,013                  | 3,010                  | 2,281                  | 1,000                  | 1,375                  | 0,882 | 1 / 1             |                                      |                                      |
|                                    | D4120.03-17.45F26-P42 | 0,687                  | 2,061                  | 3,060                  | 2,281                  | 1,000                  | 1,375                  | 0,904 | 1 / 1             |                                      |                                      |
| D4120.03-17.86F26-P42              | 0,703                 | 2,109                  | 3,110                  | 2,281                  | 1,000                  | 1,375                  | 0,904                  | 1 / 1 |                   |                                      |                                      |
| <p>Cylindrical shank with flat</p> | D4120.03-18.24F26-P42 | 0,718                  | 2,154                  | 3,150                  | 2,281                  | 1,000                  | 1,375                  | 0,926 | 1 / 1             | P484 . P-2R- ...<br>P484 . C-2R- ... |                                      |
|                                    | D4120.03-19.05F26-P42 | 0,750                  | 2,250                  | 3,250                  | 2,281                  | 1,000                  | 1,375                  | 0,946 | 1 / 1             |                                      |                                      |
|                                    | D4120.03-19.43F26-P42 | 0,765                  | 2,295                  | 3,300                  | 2,281                  | 1,000                  | 1,375                  | 0,948 | 1 / 1             |                                      |                                      |
|                                    | D4120.03-19.84F26-P42 | 0,781                  | 2,343                  | 3,34                   | 2,281                  | 1,000                  | 1,375                  | 1,036 | 1 / 1             |                                      |                                      |
|                                    | D4120.03-20.62F26-P43 | 0,812                  | 2,436                  | 3,44                   | 2,281                  | 1,000                  | 1,375                  | 0,974 | 1 / 1             |                                      | P484 . P-3R- ...<br>P484 . C-3R- ... |
|                                    | D4120.03-21.41F26-P43 | 0,843                  | 2,529                  | 3,530                  | 2,281                  | 1,000                  | 1,375                  | 1,058 | 1 / 1             |                                      |                                      |
|                                    | D4120.03-22.23F31-P43 | 0,875                  | 2,625                  | 3,760                  | 2,281                  | 1,250                  | 1,625                  | 1,453 | 1 / 1             |                                      |                                      |
| <p>Cylindrical shank with flat</p> | D4120.03-23.01F31-P43 | 0,906                  | 2,718                  | 3,850                  | 2,281                  | 1,250                  | 1,625                  | 1,543 | 1 / 1             | P484 . P-4R- ...<br>P484 . C-4R- ... |                                      |
|                                    | D4120.03-23.39F31-P43 | 0,921                  | 2,763                  | 3,89                   | 2,281                  | 1,250                  | 1,625                  | 1,499 | 1 / 1             |                                      |                                      |
|                                    | D4120.03-23.80F31-P43 | 0,937                  | 2,811                  | 3,94                   | 2,281                  | 1,250                  | 1,625                  | 1,521 | 1 / 1             |                                      |                                      |
|                                    | D4120.03-24.59F31-P44 | 0,968                  | 2,904                  | 4,030                  | 2,281                  | 1,250                  | 1,625                  | 1,477 | 1 / 1             |                                      |                                      |
|                                    | D4120.03-24.99F31-P44 | 0,984                  | 2,952                  | 4,080                  | 2,281                  | 1,250                  | 1,625                  | 1,499 | 1 / 1             |                                      |                                      |
| <p>Cylindrical shank with flat</p> | D4120.03-25.40F31-P44 | 1,000                  | 3,000                  | 4,130                  | 2,281                  | 1,250                  | 1,625                  | 1,676 | 1 / 1             | P484 . P-5R- ...<br>P484 . C-5R- ... |                                      |
|                                    | D4120.03-26.57F31-P44 | 1,046                  | 3,138                  | 4,27                   | 2,281                  | 1,250                  | 1,625                  | 1,565 | 1 / 1             |                                      |                                      |
|                                    | D4120.03-26.97F31-P44 | 1,062                  | 3,186                  | 4,32                   | 2,281                  | 1,250                  | 1,625                  | 1,764 | 1 / 1             |                                      |                                      |
|                                    | D4120.03-28.17F31-P44 | 1,109                  | 3,327                  | 4,460                  | 2,281                  | 1,250                  | 1,625                  | 1,731 | 1 / 1             |                                      |                                      |
|                                    | D4120.03-28.58F31-P44 | 1,125                  | 3,375                  | 4,510                  | 2,281                  | 1,250                  | 1,625                  | 1,764 | 1 / 1             |                                      |                                      |
|                                    | D4120.03-29.74F31-P45 | 1,171                  | 3,513                  | 4,64                   | 2,281                  | 1,250                  | 1,625                  | 1,764 | 1 / 1             |                                      |                                      |
| <p>Cylindrical shank with flat</p> | D4120.03-30.15F31-P45 | 1,187                  | 3,561                  | 4,69                   | 2,281                  | 1,250                  | 1,625                  | 1,852 | 1 / 1             | P484 . P-5R- ...<br>P484 . C-5R- ... |                                      |
|                                    | D4120.03-31.75F31-P45 | 1,250                  | 3,750                  | 4,880                  | 2,281                  | 1,250                  | 1,625                  | 1,984 | 1 / 1             |                                      |                                      |
|                                    | D4120.03-33.32F31-P45 | 1,312                  | 3,936                  | 5,07                   | 2,281                  | 1,250                  | 1,625                  | 2,123 | 1 / 1             |                                      |                                      |
|                                    | D4120.03-34.11F31-P45 | 1,343                  | 4,029                  | 5,160                  | 2,281                  | 1,250                  | 1,625                  | 2,172 | 1 / 1             |                                      |                                      |
|                                    | D4120.03-34.93F31-P45 | 1,375                  | 4,125                  | 5,260                  | 2,281                  | 1,250                  | 1,625                  | 2,339 | 1 / 1             |                                      |                                      |

Корпус и сборочные детали входят в комплект поставки

### Сборочные детали

| D <sub>c</sub> [inch]           | 0,531–0,625                | 0,656–0,781                | 0,812–0,937                | 0,968–1,125                | 1,171–1,375                 | 1,421–1,625                 | 1,687–2,25                  |
|---------------------------------|----------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|-----------------------------|-----------------------------|
| Винт пластины<br>Момент затяжки | FS2120 (T6IP)<br>0,295 lbs | FS2111 (T7IP)<br>0,664 lbs | FS1454 (T8IP)<br>0,885 lbs | FS1457 (T9IP)<br>1,475 lbs | FS2080 (T15IP)<br>1,844 lbs | FS1453 (T15IP)<br>2,581 lbs | FS1495 (T20IP)<br>3,688 lbs |

### Комплектующие

| D <sub>c</sub> [inch]              | 0,531–0,625   | 0,656–0,781   | 0,812–0,937   | 0,968–1,125   | 1,171–1,625    | 1,687–2,25     |
|------------------------------------|---------------|---------------|---------------|---------------|----------------|----------------|
| Динамометрический ключ, аналоговый | FS2002        | FS2002        | FS2002        | FS2004        | FS2004         | FS2004         |
| Динамометрический ключ, цифровой   |               |               | FS2248        | FS2248        | FS2248         | FS2248         |
| Вставка                            | FS2085 (T6IP) | FS2011 (T7IP) | FS2012 (T8IP) | FS2013 (T9IP) | FS2014 (T15IP) | FS2015 (T20IP) |
| Отвёртка                           | FS2086 (T6IP) | FS2088 (T7IP) | FS1483 (T8IP) | FS1484 (T9IP) | FS1485 (T15IP) | FS1486 (T20IP) |

### Пластины

| Обозначение   | Размер | P      |        | M      |       | K      |       | N      |        | S     |
|---------------|--------|--------|--------|--------|-------|--------|-------|--------|--------|-------|
|               |        | HC     |        | HC     |       | HC     |       | HC     | HW     | HC    |
|               |        | WKP25S | WKP35S | WSP45G | WXP40 | WSP45G | WXP40 | WKP25S | WKP35S | WNI15 |
| P4840C-.R-E67 | 0–0.3  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |
| P4840C-.R-E77 | 0–0.3  |        |        |        |       |        |       | ☺      | ☺      |       |
| P4841C-.R-A57 | 0–0.3  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |
| P4841C-.R-E57 | 0–0.3  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |
| P4840C-2R-E67 | 0.1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |
| P4840C-2R-E77 | 0.1    |        |        |        |       |        |       | ☺      | ☺      |       |
| P4841C-2R-A57 | 0.1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |
| P4841C-2R-E57 | 0.1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |
| P4840C-3R-E67 | 0.1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |
| P4840C-3R-E77 | 0.1    |        |        |        |       |        |       | ☺      | ☺      |       |
| P4841C-3R-A57 | 0.1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |
| P4841C-3R-E57 | 0.1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |
| P4840P-.R-A57 | 0–0.3  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |
| P4840P-.R-E57 | 0–0.3  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |
| P4840P-.R-E67 | 0–0.3  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |
| P4840P-.R-E77 | 0–0.3  |        |        |        |       |        |       | ☺      | ☺      |       |
| P4841P-.R-A57 | 0–0.3  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |
| P4841P-.R-E57 | 0–0.3  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |
| P4840P-2R-A57 | 0.1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |
| P4840P-2R-E57 | 0.1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |
| P4840P-2R-E67 | 0.1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |
| P4840P-2R-E77 | 0.1    |        |        |        |       |        |       | ☺      | ☺      |       |
| P4841P-2R-A57 | 0.1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |
| P4841P-2R-E57 | 0.1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |
| P4840P-3R-A57 | 0.1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |
| P4840P-3R-E57 | 0.1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |
| P4840P-3R-E67 | 0.1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |
| P4840P-3R-E77 | 0.1    |        |        |        |       |        |       | ☺      | ☺      |       |
| P4841P-3R-A57 | 0.1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |
| P4841P-3R-E57 | 0.1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |

P48...C = центральная пластина  
P48...P = периферийная пластина

HC = твёрдый сплав с покрытием  
HW = твёрдый сплав без покрытия

### WALTER SELECT

Жёсткость станка, закрепления инструмента и заготовки → очень хорошая = ☺ → хорошая = ☺ → средняя = ☺

☺ ☺ ☺ / \* = Новый инструмент

## Сверла с пластинами

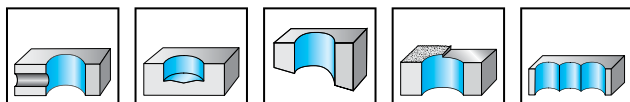
 D4120 inch

Drion-tec®



B1

|                  |       |
|------------------|-------|
| 3×D <sub>C</sub> | Z = 1 |
|------------------|-------|



|       |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|
| D4120 | P | M | K | N | S | H | O |
|       | ● | ● | ● | ● | ● |   |   |

## Инструмент

|                                 | Обозначение           | D <sub>C</sub><br>inch | L <sub>C</sub><br>inch | l <sub>4</sub><br>inch | l <sub>5</sub><br>inch | d <sub>1</sub><br>inch | d <sub>4</sub><br>inch | lbs   | Кол-во<br>пластин | Тип                                  |
|---------------------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------|-------------------|--------------------------------------|
| <br>Cylindrical shank with flat | D4120.03-36.09F31-P46 | 1,421                  | 4,263                  | 5,39                   | 2,281                  | 1,250                  | 1,625                  | 2,271 | 1 / 1             | P484 . P-6R- ...<br>P484 . C-6R- ... |
|                                 | D4120.03-36.50F38-P46 | 1,437                  | 4,311                  | 5,69                   | 2,688                  | 1,500                  | 1,940                  | 3,086 | 1 / 1             |                                      |
|                                 | D4120.03-38.10F38-P46 | 1,500                  | 4,500                  | 5,880                  | 2,688                  | 1,500                  | 1,940                  | 3,362 | 1 / 1             |                                      |
|                                 | D4120.03-39.67F38-P46 | 1,562                  | 4,686                  | 6,07                   | 2,688                  | 1,500                  | 1,940                  | 3,461 | 1 / 1             |                                      |
|                                 | D4120.03-41.28F38-P46 | 1,625                  | 4,875                  | 6,260                  | 2,688                  | 1,500                  | 1,940                  | 3,527 | 1 / 1             |                                      |
| <br>Cylindrical shank with flat | D4120.03-42.85F38-P47 | 1,687                  | 5,061                  | 6,44                   | 2,688                  | 1,500                  | 1,940                  | 3,675 | 1 / 1             | P484 . P-7R- ...<br>P484 . C-7R- ... |
|                                 | D4120.03-44.45F38-P47 | 1,750                  | 5,250                  | 6,630                  | 2,688                  | 1,500                  | 1,940                  | 3,900 | 1 / 1             |                                      |
|                                 | D4120.03-46.02F38-P47 | 1,812                  | 5,436                  | 6,82                   | 2,688                  | 1,500                  | 1,940                  | 4,365 | 1 / 1             |                                      |
|                                 | D4120.03-47.63F38-P47 | 1,875                  | 5,625                  | 7,010                  | 2,688                  | 1,500                  | 1,940                  | 4,42  | 1 / 1             |                                      |
|                                 | D4120.03-49.20F38-P47 | 1,937                  | 5,811                  | 7,19                   | 2,688                  | 1,500                  | 1,940                  | 4,711 | 1 / 1             |                                      |
| <br>Cylindrical shank with flat | D4120.03-50.80F51-P48 | 2,000                  | 6,000                  | 7,62                   | 3,250                  | 2,000                  | 2,440                  | 7,002 | 1 / 1             | P484 . P-8R- ...<br>P484 . C-8R- ... |
|                                 | D4120.03-52.37F51-P48 | 2,062                  | 6,186                  | 7,810                  | 3,250                  | 2,000                  | 2,440                  | 7,322 | 1 / 1             |                                      |
|                                 | D4120.03-53.98F51-P48 | 2,125                  | 6,375                  | 8,000                  | 3,250                  | 2,000                  | 2,440                  | 7,685 | 1 / 1             |                                      |
|                                 | D4120.03-55.55F51-P48 | 2,187                  | 6,561                  | 8,180                  | 3,250                  | 2,000                  | 2,440                  | 8,047 | 1 / 1             |                                      |
|                                 | D4120.03-57.15F51-P48 | 2,250                  | 6,750                  | 8,37                   | 3,250                  | 2,000                  | 2,440                  | 8,508 | 1 / 1             |                                      |

Корпус и сборочные детали входят в комплект поставки

### Сборочные детали

| D <sub>c</sub> [inch]           | 0,531–0,625                | 0,656–0,781                | 0,812–0,937                | 0,968–1,125                | 1,171–1,375                 | 1,421–1,625                 | 1,687–2,25                  |
|---------------------------------|----------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|-----------------------------|-----------------------------|
| Винт пластины<br>Момент затяжки | FS2120 (T6IP)<br>0,295 lbs | FS2111 (T7IP)<br>0,664 lbs | FS1454 (T8IP)<br>0,885 lbs | FS1457 (T9IP)<br>1,475 lbs | FS2080 (T15IP)<br>1,844 lbs | FS1453 (T15IP)<br>2,581 lbs | FS1495 (T20IP)<br>3,688 lbs |

### Комплектующие

| D <sub>c</sub> [inch]              | 0,531–0,625   | 0,656–0,781   | 0,812–0,937   | 0,968–1,125   | 1,171–1,625    | 1,687–2,25     |
|------------------------------------|---------------|---------------|---------------|---------------|----------------|----------------|
| Динамометрический ключ, аналоговый | FS2002        | FS2002        | FS2002        | FS2004        | FS2004         | FS2004         |
| Динамометрический ключ, цифровой   |               |               | FS2248        | FS2248        | FS2248         | FS2248         |
| Вставка                            | FS2085 (T6IP) | FS2011 (T7IP) | FS2012 (T8IP) | FS2013 (T9IP) | FS2014 (T15IP) | FS2015 (T20IP) |
| Отвёртка                           | FS2086 (T6IP) | FS2088 (T7IP) | FS1483 (T8IP) | FS1484 (T9IP) | FS1485 (T15IP) | FS1486 (T20IP) |

### Пластины

| Обозначение   | Размер | P      |        | M      |       | K      |       | N      |        | S     |       |
|---------------|--------|--------|--------|--------|-------|--------|-------|--------|--------|-------|-------|
|               |        | HC     |        | HC     |       | HC     |       | HC     | HW     | HC    |       |
|               |        | WKP25S | WKP35S | WSP45G | WXP40 | WSP45G | WXP40 | WKP25S | WKP35S | WNN15 | WNN15 |
| P4840C-.R-E67 | 0–0,3  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺     |
| P4840C-.R-E77 | 0–0,3  |        |        |        |       |        |       |        | ☺      | ☺     |       |
| P4841C-.R-A57 | 0–0,3  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      |        |       | ☺     |
| P4841C-.R-E57 | 0–0,3  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      |        |       | ☺     |
| P4840C-2R-E67 | 0,1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      |        |       | ☺     |
| P4840C-2R-E77 | 0,1    |        |        |        |       |        |       |        | ☺      | ☺     |       |
| P4841C-2R-A57 | 0,1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      |        |       | ☺     |
| P4841C-2R-E57 | 0,1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      |        |       | ☺     |
| P4840C-3R-E67 | 0,1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      |        |       | ☺     |
| P4840C-3R-E77 | 0,1    |        |        |        |       |        |       |        | ☺      | ☺     |       |
| P4841C-3R-A57 | 0,1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      |        |       | ☺     |
| P4841C-3R-E57 | 0,1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      |        |       | ☺     |
| P4840P-.R-A57 | 0–0,3  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      |        |       | ☺     |
| P4840P-.R-E57 | 0–0,3  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      |        |       | ☺     |
| P4840P-.R-E67 | 0–0,3  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      |        |       | ☺     |
| P4840P-.R-E77 | 0–0,3  |        |        |        |       |        |       |        | ☺      | ☺     |       |
| P4841P-.R-A57 | 0–0,3  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      |        |       | ☺     |
| P4841P-.R-E57 | 0–0,3  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      |        |       | ☺     |
| P4840P-2R-A57 | 0,1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      |        |       | ☺     |
| P4840P-2R-E57 | 0,1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      |        |       | ☺     |
| P4840P-2R-E67 | 0,1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      |        |       | ☺     |
| P4840P-2R-E77 | 0,1    |        |        |        |       |        |       |        | ☺      | ☺     |       |
| P4841P-2R-A57 | 0,1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      |        |       | ☺     |
| P4841P-2R-E57 | 0,1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      |        |       | ☺     |
| P4840P-3R-A57 | 0,1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      |        |       | ☺     |
| P4840P-3R-E57 | 0,1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      |        |       | ☺     |
| P4840P-3R-E67 | 0,1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      |        |       | ☺     |
| P4840P-3R-E77 | 0,1    |        |        |        |       |        |       |        | ☺      | ☺     |       |
| P4841P-3R-A57 | 0,1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      |        |       | ☺     |
| P4841P-3R-E57 | 0,1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      |        |       | ☺     |

P48 ... C = центральная пластина  
P48 ... P = периферийная пластина

HC = твёрдый сплав с покрытием  
HW = твёрдый сплав без покрытия

### WALTER SELECT

Жёсткость станка, закрепления инструмента и заготовки → очень хорошая = ☺ → хорошая = ☺ → средняя = ☺

☺ ☺ ☺ / \* = Новый инструмент

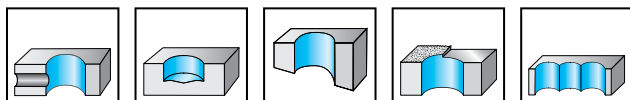
## Сверла с пластинами

 D4120 

Drion-tec®



B1

 4×D<sub>C</sub>    Z = 1


|   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|
| P | M | K | N | S | H | O |
| ● | ● | ● | ● | ● |   |   |

## Инструмент

| Обозначение           | D <sub>c</sub><br>mm | L <sub>c</sub><br>mm | l <sub>4</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>mm | d <sub>4</sub><br>mm | kg   | Кол-во<br>пластин<br>EA | Тип                                  |                                      |
|-----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|------|-------------------------|--------------------------------------|--------------------------------------|
| D4120-04-16.50F25-P42 | 16,5                 | 66                   | 91                   | 56                   | 25                   | 35                   | 0,36 | 1 / 1                   | P484 . P-2R- ...<br>P484 . C-2R- ... |                                      |
| D4120-04-17.00F25-P42 | 17                   | 68                   | 93                   | 56                   | 25                   | 35                   | 0,4  | 1 / 1                   |                                      |                                      |
| D4120-04-17.50F25-P42 | 17,5                 | 70                   | 95                   | 56                   | 25                   | 35                   | 0,38 | 1 / 1                   |                                      |                                      |
| D4120-04-18.00F25-P42 | 18                   | 72                   | 97                   | 56                   | 25                   | 35                   | 0,42 | 1 / 1                   |                                      |                                      |
| D4120-04-18.50F25-P42 | 18,5                 | 74                   | 99                   | 56                   | 25                   | 35                   | 0,39 | 1 / 1                   |                                      |                                      |
| D4120-04-19.00F25-P42 | 19                   | 76                   | 101                  | 56                   | 25                   | 35                   | 0,44 | 1 / 1                   |                                      |                                      |
| D4120-04-19.50F25-P42 | 19,5                 | 78                   | 103                  | 56                   | 25                   | 35                   | 0,41 | 1 / 1                   |                                      |                                      |
| D4120-04-20.00F25-P42 | 20                   | 80                   | 105                  | 56                   | 25                   | 35                   | 0,45 | 1 / 1                   |                                      |                                      |
| D4120-04-20.50F25-P43 | 20,5                 | 82                   | 107                  | 56                   | 25                   | 35                   | 0,41 | 1 / 1                   |                                      | P484 . P-3R- ...<br>P484 . C-3R- ... |
| D4120-04-21.00F25-P43 | 21                   | 84                   | 109                  | 56                   | 25                   | 35                   | 0,45 | 1 / 1                   |                                      |                                      |
| D4120-04-21.50F25-P43 | 21,5                 | 86                   | 111                  | 56                   | 25                   | 35                   | 0,43 | 1 / 1                   |                                      |                                      |
| D4120-04-22.00F25-P43 | 22                   | 88                   | 113                  | 56                   | 25                   | 35                   | 0,48 | 1 / 1                   |                                      |                                      |
| D4120-04-22.50F25-P43 | 22,5                 | 90                   | 115                  | 56                   | 25                   | 35                   | 0,45 | 1 / 1                   |                                      |                                      |
| D4120-04-23.00F25-P43 | 23                   | 92                   | 117                  | 56                   | 25                   | 35                   | 0,5  | 1 / 1                   |                                      |                                      |
| D4120-04-23.50F25-P43 | 23,5                 | 94                   | 119                  | 56                   | 25                   | 35                   | 0,48 | 1 / 1                   |                                      |                                      |
| D4120-04-24.00F25-P43 | 24                   | 96                   | 121                  | 56                   | 25                   | 35                   | 0,56 | 1 / 1                   |                                      |                                      |
| D4120-04-24.50F25-P44 | 24,5                 | 98                   | 123                  | 56                   | 25                   | 35                   | 0,48 | 1 / 1                   | P484 . P-4R- ...<br>P484 . C-4R- ... |                                      |
| D4120-04-25.00F25-P44 | 25                   | 100                  | 125                  | 56                   | 25                   | 35                   | 0,56 | 1 / 1                   |                                      |                                      |
| D4120-04-25.50F32-P44 | 25,5                 | 102                  | 134                  | 60                   | 32                   | 42                   | 0,76 | 1 / 1                   |                                      |                                      |
| D4120-04-26.00F32-P44 | 26                   | 104                  | 136                  | 60                   | 32                   | 42                   | 0,85 | 1 / 1                   |                                      |                                      |
| D4120-04-26.50F32-P44 | 26,5                 | 106                  | 138                  | 60                   | 32                   | 42                   | 0,8  | 1 / 1                   |                                      |                                      |
| D4120-04-27.00F32-P44 | 27                   | 108                  | 140                  | 60                   | 32                   | 42                   | 0,81 | 1 / 1                   |                                      |                                      |
| D4120-04-27.50F32-P44 | 27,5                 | 110                  | 142                  | 60                   | 32                   | 42                   | 0,83 | 1 / 1                   |                                      |                                      |
| D4120-04-28.00F32-P44 | 28                   | 112                  | 144                  | 60                   | 32                   | 42                   | 0,91 | 1 / 1                   |                                      |                                      |
| D4120-04-28.50F32-P44 | 28,5                 | 114                  | 146                  | 60                   | 32                   | 42                   | 0,87 | 1 / 1                   | P484 . P-5R- ...<br>P484 . C-5R- ... |                                      |
| D4120-04-29.00F32-P44 | 29                   | 116                  | 148                  | 60                   | 32                   | 42                   | 1    | 1 / 1                   |                                      |                                      |
| D4120-04-29.50F32-P45 | 29,5                 | 118                  | 150                  | 60                   | 32                   | 42                   | 0,9  | 1 / 1                   |                                      |                                      |
| D4120-04-30.00F32-P45 | 30                   | 120                  | 152                  | 60                   | 32                   | 42                   | 0,91 | 1 / 1                   |                                      |                                      |
| D4120-04-30.50F32-P45 | 30,5                 | 122                  | 154                  | 60                   | 32                   | 42                   | 0,94 | 1 / 1                   |                                      |                                      |
| D4120-04-31.00F32-P45 | 31                   | 124                  | 156                  | 60                   | 32                   | 42                   | 1,07 | 1 / 1                   |                                      |                                      |
| D4120-04-31.50F32-P45 | 31,5                 | 126                  | 158                  | 60                   | 32                   | 42                   | 0,99 | 1 / 1                   |                                      |                                      |
| D4120-04-32.00F32-P45 | 32                   | 128                  | 160                  | 60                   | 32                   | 42                   | 1,1  | 1 / 1                   |                                      |                                      |
| D4120-04-32.50F32-P45 | 32,5                 | 130                  | 162                  | 60                   | 32                   | 42                   | 1,03 | 1 / 1                   |                                      |                                      |
| D4120-04-33.00F32-P45 | 33                   | 132                  | 164                  | 60                   | 32                   | 42                   | 1,13 | 1 / 1                   |                                      |                                      |
| D4120-04-33.50F32-P45 | 33,5                 | 134                  | 166                  | 60                   | 32                   | 42                   | 1,09 | 1 / 1                   |                                      |                                      |

Корпус и сборочные детали входят в комплект поставки

**WALTER SELECT**

Жёсткость станка, закрепления инструмента и заготовки → очень хорошая = 😊 → хорошая = 😊 → средняя = 😊



### Сборочные детали

| D <sub>c</sub> [mm]             | 16,5–20                 | 20,5–24                 | 24,5–29               | 29,5–35                  | 35,5–42                  | 43–59                  |
|---------------------------------|-------------------------|-------------------------|-----------------------|--------------------------|--------------------------|------------------------|
| Винт пластины<br>Момент затяжки | FS2111 (T7IP)<br>0,9 Nm | FS1454 (T8IP)<br>1,2 Nm | FS1457 (T9IP)<br>2 Nm | FS2080 (T15IP)<br>2,5 Nm | FS1453 (T15IP)<br>3,5 Nm | FS1495 (T20IP)<br>5 Nm |

### Комплектующие

| D <sub>c</sub> [mm]                | 16,5–20       | 20,5–24       | 24,5–29       | 29,5–42        | 43–59          |
|------------------------------------|---------------|---------------|---------------|----------------|----------------|
| Динамометрический ключ, аналоговый | FS2001        | FS2001        | FS2003        | FS2003         | FS2003         |
| Динамометрический ключ, цифровой   |               | FS2248        | FS2248        | FS2248         | FS2248         |
| Вставка                            | FS2011 (T7IP) | FS2012 (T8IP) | FS2013 (T9IP) | FS2014 (T15IP) | FS2015 (T20IP) |
| Отвёртка                           | FS2088 (T7IP) | FS1483 (T8IP) | FS1484 (T9IP) | FS1485 (T15IP) | FS1486 (T20IP) |

### Пластины

| Обозначение   | Размер        | P             |        | M      |       | K      |       | N      |        | S     |       |        |
|---------------|---------------|---------------|--------|--------|-------|--------|-------|--------|--------|-------|-------|--------|
|               |               | HC            |        | HC     |       | HC     |       | HC     | HW     | HC    |       |        |
|               |               | WKP25S        | WKP35S | WSP45G | WXP40 | WSP45G | WXP40 | WKP25S | WKP35S | WNN15 | WNN15 | WSP45G |
|               | P4840C-2R-E67 | 2             | ☑      | ☑      | ☑     | ☑      | ☑     | ☑      |        |       | ☑     |        |
|               | P4840C-2R-E77 | 2             |        |        |       |        |       |        | ☑      | ☑     |       |        |
|               | P4841C-2R-A57 | 2             | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑     |        |
|               | P4841C-2R-E57 | 2             | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑     |        |
|               | P4840C-3R-E67 | 3             | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑     |        |
|               | P4840C-3R-E77 | 3             |        |        |       |        |       |        | ☑      | ☑     |       |        |
|               | P4841C-3R-A57 | 3             | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑     |        |
|               | P4841C-3R-E57 | 3             | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑     |        |
|               | P4840C-.R-E67 | 4-8           | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑     |        |
|               | P4840C-.R-E77 | 4-8           |        |        |       |        |       |        | ☑      | ☑     |       |        |
|               | P4841C-.R-A57 | 4-8           | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑     |        |
|               | P4841C-.R-E57 | 4-8           | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑     |        |
|               |               | P4840P-2R-A57 | 2      | ☑      | ☑     | ☑      | ☑     | ☑      | ☑      |       |       | ☑      |
|               |               | P4840P-2R-E57 | 2      | ☑      | ☑     | ☑      | ☑     | ☑      |        |       |       | ☑      |
| P4840P-2R-E67 |               | 2             | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑     |        |
| P4840P-2R-E77 |               | 2             |        |        |       |        |       |        | ☑      | ☑     |       |        |
| P4841P-2R-A57 |               | 2             | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑     |        |
| P4841P-2R-E57 |               | 2             | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑     |        |
| P4840P-3R-A57 |               | 3             | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑     |        |
| P4840P-3R-E57 |               | 3             | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑     |        |
| P4840P-3R-E67 |               | 3             | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑     |        |
| P4840P-3R-E77 |               | 3             |        |        |       |        |       |        | ☑      | ☑     |       |        |
| P4841P-3R-A57 |               | 3             | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑     |        |
| P4841P-3R-E57 |               | 3             | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑     |        |
| P4840P-.R-A57 |               | 4-8           | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑     |        |
| P4840P-.R-E57 |               | 4-8           | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑     |        |
| P4840P-.R-E67 |               | 4-8           | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑     |        |
| P4840P-.R-E77 |               | 4-8           |        |        |       |        |       |        | ☑      | ☑     |       |        |
| P4841P-.R-A57 |               | 4-8           | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑     |        |
| P4841P-.R-E57 |               | 4-8           | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑     |        |

HC = Coated carbide  
HW = Uncoated carbide

### WALTER SELECT

Жёсткость станка, закрепления инструмента и заготовки → очень хорошая = ☺ → хорошая = ☹ → средняя = ☹

☺ ☹ ☹ / \* = Новый инструмент

## Сверла с пластинами

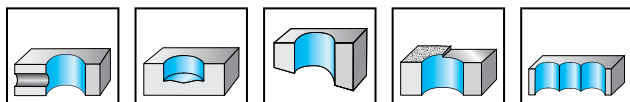
 D4120 

Drion-tec®



B1

|                  |       |
|------------------|-------|
| 4×D <sub>C</sub> | Z = 1 |
|------------------|-------|



|       |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|
| D4120 | P | M | K | N | S | H | O |
|       | ● | ● | ● | ● | ● |   |   |

| Инструмент                         | Обозначение           | D <sub>C</sub><br>mm | L <sub>C</sub><br>mm | l <sub>4</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>mm | d <sub>4</sub><br>mm | kg    | Кол-во<br>пластин<br>EA | Тип                                  |
|------------------------------------|-----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|-------|-------------------------|--------------------------------------|
| <p>Cylindrical shank with flat</p> | D4120-04-34.00F32-P45 | 34                   | 136                  | 168                  | 60                   | 32                   | 42                   | 1,11  | 1 / 1                   | P484 . P-5R- ...<br>P484 . C-5R- ... |
|                                    | D4120-04-34.50F32-P45 | 34,5                 | 138                  | 170                  | 60                   | 32                   | 42                   | 1,14  | 1 / 1                   |                                      |
|                                    | D4120-04-35.00F32-P45 | 35                   | 140                  | 172                  | 60                   | 32                   | 42                   | 1,24  | 1 / 1                   |                                      |
| <p>Cylindrical shank with flat</p> | D4120-04-35.50F32-P46 | 35,5                 | 142                  | 174                  | 60                   | 32                   | 42                   | 1,13  | 1 / 1                   | P484 . P-6R- ...<br>P484 . C-6R- ... |
|                                    | D4120-04-36.00F32-P46 | 36                   | 144                  | 176                  | 60                   | 32                   | 42                   | 1,26  | 1 / 1                   |                                      |
|                                    | D4120-04-36.50F32-P46 | 36,5                 | 146                  | 178                  | 60                   | 32                   | 42                   | 1,19  | 1 / 1                   |                                      |
|                                    | D4120-04-37.00F40-P46 | 37                   | 148                  | 188                  | 70                   | 40                   | 50                   | 1,82  | 1 / 1                   |                                      |
|                                    | D4120-04-37.50F40-P46 | 37,5                 | 150                  | 190                  | 70                   | 40                   | 50                   | 1,71  | 1 / 1                   |                                      |
|                                    | D4120-04-38.00F40-P46 | 38                   | 152                  | 192                  | 70                   | 40                   | 50                   | 1,19  | 1 / 1                   |                                      |
|                                    | D4120-04-38.50F40-P46 | 38,5                 | 154                  | 194                  | 70                   | 40                   | 50                   | 1,78  | 1 / 1                   |                                      |
|                                    | D4120-04-39.00F40-P46 | 39                   | 156                  | 196                  | 70                   | 40                   | 50                   | 1,96  | 1 / 1                   |                                      |
|                                    | D4120-04-39.50F40-P46 | 39,5                 | 158                  | 198                  | 70                   | 40                   | 50                   | 1,86  | 1 / 1                   |                                      |
|                                    | D4120-04-40.00F40-P46 | 40                   | 160                  | 200                  | 70                   | 40                   | 50                   | 2,04  | 1 / 1                   |                                      |
|                                    | D4120-04-40.50F40-P46 | 40,5                 | 162                  | 202                  | 70                   | 40                   | 50                   | 1,93  | 1 / 1                   |                                      |
|                                    | D4120-04-41.00F40-P46 | 41                   | 164                  | 204                  | 70                   | 40                   | 50                   | 2,08  | 1 / 1                   |                                      |
| D4120-04-41.50F40-P46              | 41,5                  | 166                  | 206                  | 70                   | 40                   | 50                   | 2,01                 | 1 / 1 |                         |                                      |
| D4120-04-42.00F40-P46              | 42                    | 168                  | 208                  | 70                   | 40                   | 50                   | 2,13                 | 1 / 1 |                         |                                      |
| <p>Cylindrical shank with flat</p> | D4120-04-43.00F40-P47 | 43                   | 172                  | 212                  | 70                   | 40                   | 50                   | 2,23  | 1 / 1                   | P484 . P-7R- ...<br>P484 . C-7R- ... |
|                                    | D4120-04-44.00F40-P47 | 44                   | 176                  | 216                  | 70                   | 40                   | 50                   | 2,15  | 1 / 1                   |                                      |
|                                    | D4120-04-45.00F40-P47 | 45                   | 180                  | 220                  | 70                   | 40                   | 50                   | 2,4   | 1 / 1                   |                                      |
|                                    | D4120-04-46.00F40-P47 | 46                   | 184                  | 224                  | 70                   | 40                   | 50                   | 2,44  | 1 / 1                   |                                      |
|                                    | D4120-04-47.00F40-P47 | 47                   | 188                  | 228                  | 70                   | 40                   | 50                   | 2,54  | 1 / 1                   |                                      |
|                                    | D4120-04-48.00F40-P47 | 48                   | 192                  | 232                  | 70                   | 40                   | 50                   | 2,54  | 1 / 1                   |                                      |
|                                    | D4120-04-49.00F40-P47 | 49                   | 196                  | 236                  | 70                   | 40                   | 50                   | 2,84  | 1 / 1                   |                                      |
|                                    | D4120-04-50.00F40-P47 | 50                   | 200                  | 240                  | 70                   | 40                   | 50                   | 2,78  | 1 / 1                   |                                      |
| <p>Cylindrical shank with flat</p> | D4120-04-51.00F40-P48 | 51                   | 204                  | 244                  | 70                   | 40                   | 50                   | 2,98  | 1 / 1                   | P484 . P-8R- ...<br>P484 . C-8R- ... |
|                                    | D4120-04-52.00F40-P48 | 52                   | 208                  | 248                  | 70                   | 40                   | 50                   | 3,11  | 1 / 1                   |                                      |
|                                    | D4120-04-53.00F40-P48 | 53                   | 212                  | 252                  | 70                   | 40                   | 50                   | 3,25  | 1 / 1                   |                                      |
|                                    | D4120-04-54.00F40-P48 | 54                   | 216                  | 256                  | 70                   | 40                   | 50                   | 3,32  | 1 / 1                   |                                      |
|                                    | D4120-04-55.00F40-P48 | 55                   | 220                  | 260                  | 70                   | 40                   | 50                   | 3,44  | 1 / 1                   |                                      |
|                                    | D4120-04-56.00F40-P48 | 56                   | 224                  | 264                  | 70                   | 40                   | 50                   | 3,6   | 1 / 1                   |                                      |
|                                    | D4120-04-57.00F40-P48 | 57                   | 228                  | 268                  | 70                   | 40                   | 50                   | 3,8   | 1 / 1                   |                                      |
|                                    | D4120-04-58.00F40-P48 | 58                   | 232                  | 272                  | 70                   | 40                   | 50                   | 3,97  | 1 / 1                   |                                      |
|                                    | D4120-04-59.00F40-P48 | 59                   | 236                  | 276                  | 70                   | 40                   | 50                   | 4,09  | 1 / 1                   |                                      |

Корпус и сборочные детали входят в комплект поставки

WALTER SELECT

Жёсткость станка, закрепления инструмента и заготовки → очень хорошая = 😊 → хорошая = 😊 → средняя = 😊

### Сборочные детали

| D <sub>c</sub> [mm]             | 16,5–20                 | 20,5–24                 | 24,5–29               | 29,5–35                  | 35,5–42                  | 43–59                  |
|---------------------------------|-------------------------|-------------------------|-----------------------|--------------------------|--------------------------|------------------------|
| Винт пластины<br>Момент затяжки | FS2111 (T7IP)<br>0,9 Nm | FS1454 (T8IP)<br>1,2 Nm | FS1457 (T9IP)<br>2 Nm | FS2080 (T15IP)<br>2,5 Nm | FS1453 (T15IP)<br>3,5 Nm | FS1495 (T20IP)<br>5 Nm |

### Комплектующие

| D <sub>c</sub> [mm]                | 16,5–20       | 20,5–24       | 24,5–29       | 29,5–42        | 43–59          |
|------------------------------------|---------------|---------------|---------------|----------------|----------------|
| Динамометрический ключ, аналоговый | FS2001        | FS2001        | FS2003        | FS2003         | FS2003         |
| Динамометрический ключ, цифровой   |               | FS2248        | FS2248        | FS2248         | FS2248         |
| Вставка                            | FS2011 (T7IP) | FS2012 (T8IP) | FS2013 (T9IP) | FS2014 (T15IP) | FS2015 (T20IP) |
| Отвёртка                           | FS2088 (T7IP) | FS1483 (T8IP) | FS1484 (T9IP) | FS1485 (T15IP) | FS1486 (T20IP) |

### Пластины

| Обозначение   | Размер        | P      |        | M      |       |       |        | K     |       | N      |        | S     |       |        |
|---------------|---------------|--------|--------|--------|-------|-------|--------|-------|-------|--------|--------|-------|-------|--------|
|               |               | HC     | ND     | HC     | ND    | HC    | ND     | HC    | HW    | HC     |        |       |       |        |
|               |               | WKP25S | WKP35S | WSP45G | WXP40 | WXP40 | WSP45G | WXP40 | WXP40 | WKP25S | WKP35S | WNN15 | WNN15 | WSP45G |
|               | P4840C-2R-E67 | 2      | ☺      | ☺      | ☺     | ☺     | ☺      | ☺     | ☺     | ☺      | ☺      | ☺     | ☺     | ☺      |
|               | P4840C-2R-E77 | 2      | ☺      | ☺      | ☺     | ☺     | ☺      | ☺     | ☺     | ☺      | ☺      | ☺     | ☺     | ☺      |
|               | P4841C-2R-A57 | 2      | ☺      | ☺      | ☺     | ☺     | ☺      | ☺     | ☺     | ☺      | ☺      | ☺     | ☺     | ☺      |
|               | P4841C-2R-E57 | 2      | ☺      | ☺      | ☺     | ☺     | ☺      | ☺     | ☺     | ☺      | ☺      | ☺     | ☺     | ☺      |
|               | P4840C-3R-E67 | 3      | ☺      | ☺      | ☺     | ☺     | ☺      | ☺     | ☺     | ☺      | ☺      | ☺     | ☺     | ☺      |
|               | P4840C-3R-E77 | 3      | ☺      | ☺      | ☺     | ☺     | ☺      | ☺     | ☺     | ☺      | ☺      | ☺     | ☺     | ☺      |
|               | P4841C-3R-A57 | 3      | ☺      | ☺      | ☺     | ☺     | ☺      | ☺     | ☺     | ☺      | ☺      | ☺     | ☺     | ☺      |
|               | P4841C-3R-E57 | 3      | ☺      | ☺      | ☺     | ☺     | ☺      | ☺     | ☺     | ☺      | ☺      | ☺     | ☺     | ☺      |
|               | P4840C-.R-E67 | 4–8    | ☺      | ☺      | ☺     | ☺     | ☺      | ☺     | ☺     | ☺      | ☺      | ☺     | ☺     | ☺      |
|               | P4840C-.R-E77 | 4–8    | ☺      | ☺      | ☺     | ☺     | ☺      | ☺     | ☺     | ☺      | ☺      | ☺     | ☺     | ☺      |
| P4841C-.R-A57 | 4–8           | ☺      | ☺      | ☺      | ☺     | ☺     | ☺      | ☺     | ☺     | ☺      | ☺      | ☺     | ☺     |        |
| P4841C-.R-E57 | 4–8           | ☺      | ☺      | ☺      | ☺     | ☺     | ☺      | ☺     | ☺     | ☺      | ☺      | ☺     | ☺     |        |
|               | P4840P-2R-A57 | 2      | ☺      | ☺      | ☺     | ☺     | ☺      | ☺     | ☺     | ☺      | ☺      | ☺     | ☺     | ☺      |
|               | P4840P-2R-E57 | 2      | ☺      | ☺      | ☺     | ☺     | ☺      | ☺     | ☺     | ☺      | ☺      | ☺     | ☺     | ☺      |
|               | P4840P-2R-E67 | 2      | ☺      | ☺      | ☺     | ☺     | ☺      | ☺     | ☺     | ☺      | ☺      | ☺     | ☺     | ☺      |
|               | P4840P-2R-E77 | 2      | ☺      | ☺      | ☺     | ☺     | ☺      | ☺     | ☺     | ☺      | ☺      | ☺     | ☺     | ☺      |
|               | P4841P-2R-A57 | 2      | ☺      | ☺      | ☺     | ☺     | ☺      | ☺     | ☺     | ☺      | ☺      | ☺     | ☺     | ☺      |
|               | P4841P-2R-E57 | 2      | ☺      | ☺      | ☺     | ☺     | ☺      | ☺     | ☺     | ☺      | ☺      | ☺     | ☺     | ☺      |
|               | P4840P-3R-A57 | 3      | ☺      | ☺      | ☺     | ☺     | ☺      | ☺     | ☺     | ☺      | ☺      | ☺     | ☺     | ☺      |
|               | P4840P-3R-E57 | 3      | ☺      | ☺      | ☺     | ☺     | ☺      | ☺     | ☺     | ☺      | ☺      | ☺     | ☺     | ☺      |
|               | P4840P-3R-E67 | 3      | ☺      | ☺      | ☺     | ☺     | ☺      | ☺     | ☺     | ☺      | ☺      | ☺     | ☺     | ☺      |
|               | P4840P-3R-E77 | 3      | ☺      | ☺      | ☺     | ☺     | ☺      | ☺     | ☺     | ☺      | ☺      | ☺     | ☺     | ☺      |
|               | P4841P-3R-A57 | 3      | ☺      | ☺      | ☺     | ☺     | ☺      | ☺     | ☺     | ☺      | ☺      | ☺     | ☺     | ☺      |
|               | P4841P-3R-E57 | 3      | ☺      | ☺      | ☺     | ☺     | ☺      | ☺     | ☺     | ☺      | ☺      | ☺     | ☺     | ☺      |
|               | P4840P-.R-A57 | 4–8    | ☺      | ☺      | ☺     | ☺     | ☺      | ☺     | ☺     | ☺      | ☺      | ☺     | ☺     | ☺      |
|               | P4840P-.R-E57 | 4–8    | ☺      | ☺      | ☺     | ☺     | ☺      | ☺     | ☺     | ☺      | ☺      | ☺     | ☺     | ☺      |
|               | P4840P-.R-E67 | 4–8    | ☺      | ☺      | ☺     | ☺     | ☺      | ☺     | ☺     | ☺      | ☺      | ☺     | ☺     | ☺      |
|               | P4840P-.R-E77 | 4–8    | ☺      | ☺      | ☺     | ☺     | ☺      | ☺     | ☺     | ☺      | ☺      | ☺     | ☺     | ☺      |
| P4841P-.R-A57 | 4–8           | ☺      | ☺      | ☺      | ☺     | ☺     | ☺      | ☺     | ☺     | ☺      | ☺      | ☺     | ☺     |        |
| P4841P-.R-E57 | 4–8           | ☺      | ☺      | ☺      | ☺     | ☺     | ☺      | ☺     | ☺     | ☺      | ☺      | ☺     | ☺     |        |

HC = Coated carbide  
ND =  
HW = Uncoated carbide

### WALTER SELECT

Жёсткость станка, закрепления инструмента и заготовки → очень хорошая = ☺ → хорошая = ☺ → средняя = ☺

B1

## Сверла с пластинами

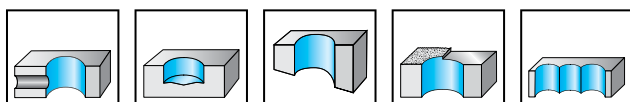
 D4120 inch

Drion-tec®



B1

|                  |       |
|------------------|-------|
| 4×D <sub>C</sub> | Z = 1 |
|------------------|-------|



|       |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|
| D4120 | P | M | K | N | S | H | O |
|       | ● | ● | ● | ● | ● |   |   |

| Инструмент                  | Обозначение           | D <sub>C</sub><br>inch | L <sub>C</sub><br>inch | l <sub>4</sub><br>inch | l <sub>5</sub><br>inch | d <sub>1</sub><br>inch | d <sub>4</sub><br>inch | lbs   | Кол-во<br>пластин<br>EA | Тип                                  |                                      |
|-----------------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------|-------------------------|--------------------------------------|--------------------------------------|
| Cylindrical shank with flat | D4120.04-16.66F26-P42 | 0,656                  | 2,624                  | 3,62                   | 2,281                  | 1,000                  | 1,375                  | 0,904 | 1 / 1                   | P484 . P-2R- ...<br>P484 . C-2R- ... |                                      |
|                             | D4120.04-17.04F26-P42 | 0,671                  | 2,684                  | 3,680                  | 2,281                  | 1,000                  | 1,375                  | 0,926 | 1 / 1                   |                                      |                                      |
|                             | D4120.04-17.45F26-P42 | 0,687                  | 2,748                  | 3,750                  | 2,281                  | 1,000                  | 1,375                  | 0,926 | 1 / 1                   |                                      |                                      |
|                             | D4120.04-17.86F26-P42 | 0,703                  | 2,812                  | 3,810                  | 2,281                  | 1,000                  | 1,375                  | 0,961 | 1 / 1                   |                                      |                                      |
|                             | D4120.04-18.24F26-P42 | 0,718                  | 2,872                  | 3,87                   | 2,281                  | 1,000                  | 1,375                  | 0,725 | 1 / 1                   |                                      |                                      |
|                             | D4120.04-19.05F26-P42 | 0,750                  | 3,000                  | 4,000                  | 2,281                  | 1,000                  | 1,375                  | 0,992 | 1 / 1                   |                                      |                                      |
|                             | D4120.04-19.43F26-P42 | 0,765                  | 3,060                  | 4,060                  | 2,281                  | 1,000                  | 1,375                  | 1,014 | 1 / 1                   |                                      |                                      |
|                             | D4120.04-19.84F26-P42 | 0,781                  | 3,124                  | 4,12                   | 2,281                  | 1,000                  | 1,375                  | 1,030 | 1 / 1                   |                                      |                                      |
|                             | D4120.04-20.62F26-P43 | 0,812                  | 3,248                  | 4,250                  | 2,281                  | 1,000                  | 1,375                  | 1,030 | 1 / 1                   |                                      | P484 . P-3R- ...<br>P484 . C-3R- ... |
|                             | D4120.04-21.41F26-P43 | 0,843                  | 3,372                  | 4,37                   | 2,281                  | 1,000                  | 1,375                  | 1,058 | 1 / 1                   |                                      |                                      |
| Cylindrical shank with flat | D4120.04-22.23F31-P43 | 0,875                  | 3,500                  | 4,630                  | 2,281                  | 1,250                  | 1,625                  | 1,653 | 1 / 1                   | P484 . P-4R- ...<br>P484 . C-4R- ... |                                      |
|                             | D4120.04-23.01F31-P43 | 0,906                  | 3,624                  | 4,750                  | 2,281                  | 1,250                  | 1,625                  | 1,62  | 1 / 1                   |                                      |                                      |
|                             | D4120.04-23.39F31-P43 | 0,921                  | 3,684                  | 4,810                  | 2,281                  | 1,250                  | 1,625                  | 1,493 | 1 / 1                   |                                      |                                      |
|                             | D4120.04-23.80F31-P43 | 0,937                  | 3,748                  | 4,880                  | 2,281                  | 1,250                  | 1,625                  | 1,735 | 1 / 1                   |                                      |                                      |
|                             | D4120.04-24.59F31-P44 | 0,968                  | 3,872                  | 5,000                  | 2,281                  | 1,250                  | 1,625                  | 1,587 | 1 / 1                   |                                      |                                      |
|                             | D4120.04-24.99F31-P44 | 0,984                  | 3,936                  | 5,07                   | 2,281                  | 1,250                  | 1,625                  | 1,795 | 1 / 1                   |                                      |                                      |
|                             | D4120.04-25.40F31-P44 | 1,000                  | 4,000                  | 5,130                  | 2,281                  | 1,250                  | 1,625                  | 1,812 | 1 / 1                   |                                      |                                      |
|                             | D4120.04-26.57F31-P44 | 1,046                  | 4,184                  | 5,310                  | 2,281                  | 1,250                  | 1,625                  | 1,764 | 1 / 1                   |                                      |                                      |
|                             | D4120.04-26.97F31-P44 | 1,062                  | 4,248                  | 5,380                  | 2,281                  | 1,250                  | 1,625                  | 1,925 | 1 / 1                   |                                      |                                      |
|                             | D4120.04-28.17F31-P44 | 1,109                  | 4,436                  | 5,57                   | 2,281                  | 1,250                  | 1,625                  | 1,896 | 1 / 1                   |                                      |                                      |
| Cylindrical shank with flat | D4120.04-28.58F31-P44 | 1,125                  | 4,500                  | 5,630                  | 2,281                  | 1,250                  | 1,625                  | 1,94  | 1 / 1                   | P484 . P-5R- ...<br>P484 . C-5R- ... |                                      |
|                             | D4120.04-29.74F31-P45 | 1,171                  | 4,684                  | 5,810                  | 2,281                  | 1,250                  | 1,625                  | 2,028 | 1 / 1                   |                                      |                                      |
|                             | D4120.04-30.15F31-P45 | 1,187                  | 4,748                  | 5,880                  | 2,281                  | 1,250                  | 1,625                  | 2,156 | 1 / 1                   |                                      |                                      |
|                             | D4120.04-31.75F31-P45 | 1,250                  | 5,000                  | 6,130                  | 2,281                  | 1,250                  | 1,625                  | 2,308 | 1 / 1                   |                                      |                                      |
|                             | D4120.04-33.32F31-P45 | 1,312                  | 5,248                  | 6,380                  | 2,281                  | 1,250                  | 1,625                  | 2,392 | 1 / 1                   |                                      |                                      |
| Cylindrical shank with flat | D4120.04-34.11F31-P45 | 1,343                  | 5,372                  | 6,496                  | 2,281                  | 1,250                  | 1,625                  | 2,359 | 1 / 1                   | P484 . P-6R- ...<br>P484 . C-6R- ... |                                      |
|                             | D4120.04-34.93F31-P45 | 1,375                  | 5,500                  | 6,630                  | 2,281                  | 1,250                  | 1,625                  | 2,685 | 1 / 1                   |                                      |                                      |
|                             | D4120.04-36.09F31-P46 | 1,421                  | 5,684                  | 6,810                  | 2,281                  | 1,250                  | 1,625                  | 2,394 | 1 / 1                   |                                      |                                      |
|                             | D4120.04-36.50F38-P46 | 1,437                  | 5,748                  | 7,130                  | 2,688                  | 1,500                  | 1,940                  | 3,3   | 1 / 1                   |                                      |                                      |
|                             | D4120.04-38.10F38-P46 | 1,500                  | 6,000                  | 7,380                  | 2,688                  | 1,500                  | 1,940                  | 3,682 | 1 / 1                   |                                      |                                      |
| Cylindrical shank with flat | D4120.04-39.67F38-P46 | 1,562                  | 6,248                  | 7,630                  | 2,688                  | 1,500                  | 1,940                  | 3,924 | 1 / 1                   | P484 . P-7R- ...<br>P484 . C-7R- ... |                                      |
|                             | D4120.04-41.28F38-P46 | 1,625                  | 6,500                  | 7,880                  | 2,688                  | 1,500                  | 1,940                  | 4,048 | 1 / 1                   |                                      |                                      |
|                             | D4120.04-42.85F38-P47 | 1,687                  | 6,748                  | 8,128                  | 2,688                  | 1,500                  | 1,940                  | 4,231 | 1 / 1                   |                                      |                                      |
|                             | D4120.04-44.45F38-P47 | 1,750                  | 7,000                  | 8,380                  | 2,688                  | 1,500                  | 1,940                  | 4,539 | 1 / 1                   |                                      |                                      |
| Cylindrical shank with flat | D4120.04-46.02F38-P47 | 1,812                  | 7,248                  | 8,628                  | 2,688                  | 1,500                  | 1,940                  | 4,868 | 1 / 1                   |                                      |                                      |
|                             | D4120.04-47.63F38-P47 | 1,875                  | 7,500                  | 8,880                  | 2,688                  | 1,500                  | 1,940                  | 5,232 | 1 / 1                   |                                      |                                      |
|                             | D4120.04-49.20F38-P47 | 1,937                  | 7,748                  | 9,128                  | 2,688                  | 1,500                  | 1,940                  | 5,626 | 1 / 1                   |                                      |                                      |

Корпус и сборочные детали входят в комплект поставки

**WALTER SELECT**

Жёсткость станка, закрепления инструмента и заготовки → очень хорошая = 😊 → хорошая = 😊 → средняя = 😊

### Сборочные детали

| D <sub>c</sub> [inch]           | 0,656–0,781                | 0,812–0,937                | 0,968–1,125                | 1,171–1,375                 | 1,421–1,625                 | 1,687–2,25                  |
|---------------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|-----------------------------|-----------------------------|
| Винт пластины<br>Момент затяжки | FS2111 (T7IP)<br>0,664 lbs | FS1454 (T8IP)<br>0,885 lbs | FS1457 (T9IP)<br>1,475 lbs | FS2080 (T15IP)<br>1,844 lbs | FS1453 (T15IP)<br>2,581 lbs | FS1495 (T20IP)<br>3,688 lbs |

### Комплектующие

| D <sub>c</sub> [inch]              | 0,656–0,781   | 0,812–0,937   | 0,968–1,125   | 1,171–1,625    | 1,687–2,25     |
|------------------------------------|---------------|---------------|---------------|----------------|----------------|
| Динамометрический ключ, аналоговый | FS2002        | FS2002        | FS2004        | FS2004         | FS2004         |
| Динамометрический ключ, цифровой   |               | FS2248        | FS2248        | FS2248         | FS2248         |
| Вставка                            | FS2011 (T7IP) | FS2012 (T8IP) | FS2013 (T9IP) | FS2014 (T15IP) | FS2015 (T20IP) |
| Отвёртка                           | FS2088 (T7IP) | FS1483 (T8IP) | FS1484 (T9IP) | FS1485 (T15IP) | FS1486 (T20IP) |

### Пластины

| Обозначение | Размер        | P       |        | M      |       | K      |       | N      |        | S     |      |
|-------------|---------------|---------|--------|--------|-------|--------|-------|--------|--------|-------|------|
|             |               | HC      |        | HC     |       | HC     |       | HC     | HW     | HC    |      |
|             |               | WKP25S  | WKP35S | WSP45G | WXP40 | WSP45G | WXP40 | WKP25S | WKP35S | WNN15 | WN15 |
|             | P4840C-2R-E67 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      |        |       | ☺    |
|             | P4840C-2R-E77 | 0.1     |        |        |       |        |       |        | ☺      | ☺     |      |
|             | P4841C-2R-A57 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺    |
|             | P4841C-2R-E57 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺    |
|             | P4840C-3R-E67 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺    |
|             | P4840C-3R-E77 | 0.1     |        |        |       |        |       |        | ☺      | ☺     |      |
|             | P4841C-3R-A57 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺    |
|             | P4841C-3R-E57 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺    |
|             | P4840C-.R-E67 | 0.2–0.3 | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺    |
|             | P4840C-.R-E77 | 0.2–0.3 |        |        |       |        |       |        | ☺      | ☺     |      |
|             | P4840P-2R-A57 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺    |
|             | P4840P-2R-E57 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺    |
|             | P4840P-2R-E67 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺    |
|             | P4840P-2R-E77 | 0.1     |        |        |       |        |       |        | ☺      | ☺     |      |
|             | P4841P-2R-A57 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺    |
|             | P4841P-2R-E57 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺    |
|             | P4840P-3R-A57 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺    |
|             | P4840P-3R-E57 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺    |
|             | P4840P-3R-E67 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺    |
|             | P4840P-3R-E77 | 0.1     |        |        |       |        |       |        | ☺      | ☺     |      |
|             | P4841P-3R-A57 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺    |
|             | P4841P-3R-E57 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺    |
|             | P4840P-.R-A57 | 0.2–0.3 | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺    |
|             | P4840P-.R-E57 | 0.2–0.3 | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺    |
|             | P4840P-.R-E67 | 0.2–0.3 | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺    |
|             | P4840P-.R-E77 | 0.2–0.3 |        |        |       |        |       |        | ☺      | ☺     |      |
|             | P4841P-.R-A57 | 0.2–0.3 | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺    |
|             | P4841P-.R-E57 | 0.2–0.3 | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺    |

P48 ... C = центральная пластина  
P48 ... P = периферийная пластина

HC = твёрдый сплав с покрытием  
HW = твёрдый сплав без покрытия

B1

## Сверла с пластинами

 D4120 inch

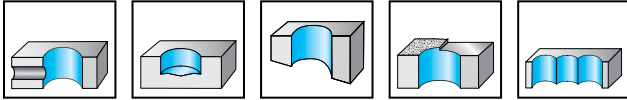
Drion-tec®



B1

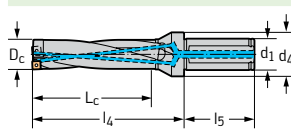
 4×D<sub>c</sub>

Z = 1



|       |    |   |    |    |   |   |   |
|-------|----|---|----|----|---|---|---|
|       | P  | M | K  | N  | S | H | O |
| D4120 | ●● | ● | ●● | ●● | ● |   |   |

## Инструмент



Cylindrical shank with flat

| Обозначение           | D <sub>c</sub><br>inch | L <sub>c</sub><br>inch | l <sub>4</sub><br>inch | l <sub>5</sub><br>inch | d <sub>1</sub><br>inch | d <sub>4</sub><br>inch | lbs    | Кол-во<br>пластин<br>EA | Тип             |
|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|--------|-------------------------|-----------------|
| D4120.04-50.80F51-P48 | 2,000                  | 8,000                  | 9,62                   | 3,250                  | 2,000                  | 2,440                  | 8,128  | 1 / 1                   | P484 . P-8R-... |
| D4120.04-52.37F51-P48 | 2,062                  | 8,248                  | 9,868                  | 3,250                  | 2,000                  | 2,440                  | 8,578  | 1 / 1                   | P484 . C-8R-... |
| D4120.04-53.98F51-P48 | 2,125                  | 8,500                  | 10,12                  | 3,250                  | 2,000                  | 2,440                  | 9,414  | 1 / 1                   |                 |
| D4120.04-55.55F51-P48 | 2,187                  | 8,748                  | 10,368                 | 3,250                  | 2,000                  | 2,440                  | 9,557  | 1 / 1                   |                 |
| D4120.04-57.15F51-P48 | 2,250                  | 9,000                  | 10,62                  | 3,250                  | 2,000                  | 2,440                  | 10,093 | 1 / 1                   |                 |

Корпус и сборочные детали входят в комплект поставки

### Сборочные детали

| D <sub>c</sub> [inch]           | 0,656–0,781                | 0,812–0,937                | 0,968–1,125                | 1,171–1,375                 | 1,421–1,625                 | 1,687–2,25                  |
|---------------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|-----------------------------|-----------------------------|
| Винт пластины<br>Момент затяжки | FS2111 (T7IP)<br>0,664 lbs | FS1454 (T8IP)<br>0,885 lbs | FS1457 (T9IP)<br>1,475 lbs | FS2080 (T15IP)<br>1,844 lbs | FS1453 (T15IP)<br>2,581 lbs | FS1495 (T20IP)<br>3,688 lbs |

### Комплектующие

| D <sub>c</sub> [inch]              | 0,656–0,781   | 0,812–0,937   | 0,968–1,125   | 1,171–1,625    | 1,687–2,25     |
|------------------------------------|---------------|---------------|---------------|----------------|----------------|
| Динамометрический ключ, аналоговый | FS2002        | FS2002        | FS2004        | FS2004         | FS2004         |
| Динамометрический ключ, цифровой   |               | FS2248        | FS2248        | FS2248         | FS2248         |
| Вставка                            | FS2011 (T7IP) | FS2012 (T8IP) | FS2013 (T9IP) | FS2014 (T15IP) | FS2015 (T20IP) |
| Отвёртка                           | FS2088 (T7IP) | FS1483 (T8IP) | FS1484 (T9IP) | FS1485 (T15IP) | FS1486 (T20IP) |

### Пластины

| Обозначение | Размер        | P       |        | M      |       | K      |       | N      |        | S     |       |        |
|-------------|---------------|---------|--------|--------|-------|--------|-------|--------|--------|-------|-------|--------|
|             |               | HC      |        | HC     |       | HC     |       | HC     | HW     | HC    |       |        |
|             |               | WKP25S  | WKP35S | WSP45G | WXP40 | WSP45G | WXP40 | WKP25S | WKP35S | WNN15 | WNN15 | WSP45G |
|             | P4840C-2R-E67 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺     | ☺      |
|             | P4840C-2R-E77 | 0.1     |        |        |       |        |       |        |        | ☺     | ☺     |        |
|             | P4841C-2R-A57 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      |       |       | ☺      |
|             | P4841C-2R-E57 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      |       |       | ☺      |
|             | P4840C-3R-E67 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      |       |       | ☺      |
|             | P4840C-3R-E77 | 0.1     |        |        |       |        |       |        |        | ☺     | ☺     |        |
|             | P4841C-3R-A57 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      |       |       | ☺      |
|             | P4841C-3R-E57 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      |       |       | ☺      |
|             | P4840C-.R-E67 | 0.2–0.3 | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      |       |       | ☺      |
|             | P4840C-.R-E77 | 0.2–0.3 |        |        |       |        |       |        |        | ☺     | ☺     |        |
|             | P4841C-.R-A57 | 0.2–0.3 | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      |       |       | ☺      |
|             | P4841C-.R-E57 | 0.2–0.3 | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      |       |       | ☺      |
|             | P4840P-2R-A57 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      |       |       | ☺      |
|             | P4840P-2R-E57 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      |       |       | ☺      |
|             | P4840P-2R-E67 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      |       |       | ☺      |
|             | P4840P-2R-E77 | 0.1     |        |        |       |        |       |        |        | ☺     | ☺     |        |
|             | P4841P-2R-A57 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      |       |       | ☺      |
|             | P4841P-2R-E57 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      |       |       | ☺      |
|             | P4840P-3R-A57 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      |       |       | ☺      |
|             | P4840P-3R-E57 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      |       |       | ☺      |
|             | P4840P-3R-E67 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      |       |       | ☺      |
|             | P4840P-3R-E77 | 0.1     |        |        |       |        |       |        |        | ☺     | ☺     |        |
|             | P4841P-3R-A57 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      |       |       | ☺      |
|             | P4841P-3R-E57 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      |       |       | ☺      |
|             | P4840P-.R-A57 | 0.2–0.3 | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      |       |       | ☺      |
|             | P4840P-.R-E57 | 0.2–0.3 | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      |       |       | ☺      |
|             | P4840P-.R-E67 | 0.2–0.3 | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      |       |       | ☺      |
|             | P4840P-.R-E77 | 0.2–0.3 |        |        |       |        |       |        |        | ☺     | ☺     |        |
|             | P4841P-.R-A57 | 0.2–0.3 | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      |       |       | ☺      |
|             | P4841P-.R-E57 | 0.2–0.3 | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      |       |       | ☺      |

P48 . . C = центральная пластина  
P48 . . P = периферийная пластина

HC = твёрдый сплав с покрытием  
HW = твёрдый сплав без покрытия

### WALTER SELECT

Жёсткость станка, закрепления инструмента и заготовки → очень хорошая = ☺ → хорошая = ☺ → средняя = ☺

☺ ☺ ☺ / \* = Новый инструмент

Свёрла с пластинами В 287

B1

## Сверла с пластинами

 D4120 

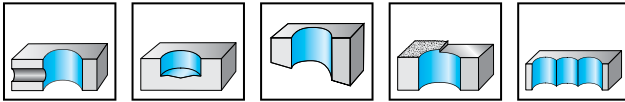
Drion-tec®



B1

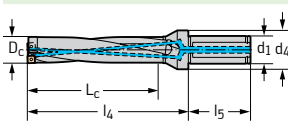
 5×D<sub>c</sub>

Z = 1



|       |    |   |    |    |   |   |   |
|-------|----|---|----|----|---|---|---|
| D4120 | P  | M | K  | N  | S | H | O |
|       | ●● |   | ●● | ●● |   |   |   |

## Инструмент



Cylindrical shank with flat

| Обозначение           | D <sub>c</sub><br>mm | L <sub>c</sub><br>mm | l <sub>4</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>mm | d <sub>4</sub><br>mm | kg   | Кол-во<br>пластин<br>EA | Тип                                  |
|-----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|------|-------------------------|--------------------------------------|
| D4120-05-16.50F25-P42 | 16,5                 | 82,5                 | 107,5                | 56                   | 25                   | 35                   | 0,38 | 1 / 1                   | P484 . P-2R- ...<br>P484 . C-2R- ... |
| D4120-05-17.00F25-P42 | 17                   | 85                   | 110                  | 56                   | 25                   | 35                   | 0,39 | 1 / 1                   |                                      |
| D4120-05-17.50F25-P42 | 17,5                 | 87,5                 | 112,5                | 56                   | 25                   | 35                   | 0,39 | 1 / 1                   |                                      |
| D4120-05-18.00F25-P42 | 18                   | 90                   | 115                  | 56                   | 25                   | 35                   | 0,45 | 1 / 1                   |                                      |
| D4120-05-18.50F25-P42 | 18,5                 | 92,5                 | 117,5                | 56                   | 25                   | 35                   | 0,41 | 1 / 1                   |                                      |
| D4120-05-19.00F25-P42 | 19                   | 95                   | 120                  | 56                   | 25                   | 35                   | 0,47 | 1 / 1                   |                                      |
| D4120-05-19.50F25-P42 | 19,5                 | 97,5                 | 122,5                | 56                   | 25                   | 35                   | 0,43 | 1 / 1                   |                                      |
| D4120-05-20.00F25-P42 | 20                   | 100                  | 125                  | 56                   | 25                   | 35                   | 0,47 | 1 / 1                   |                                      |
| D4120-05-20.50F25-P43 | 20,5                 | 102,5                | 127,5                | 56                   | 25                   | 35                   | 0,44 | 1 / 1                   | P484 . P-3R- ...<br>P484 . C-3R- ... |
| D4120-05-21.00F25-P43 | 21                   | 105                  | 130                  | 56                   | 25                   | 35                   | 0,44 | 1 / 1                   |                                      |
| D4120-05-21.50F25-P43 | 21,5                 | 107,5                | 132,5                | 56                   | 25                   | 35                   | 0,46 | 1 / 1                   |                                      |
| D4120-05-22.00F25-P43 | 22                   | 110                  | 135                  | 56                   | 25                   | 35                   | 0,51 | 1 / 1                   |                                      |
| D4120-05-22.50F25-P43 | 22,5                 | 112,5                | 137,5                | 56                   | 25                   | 35                   | 0,49 | 1 / 1                   |                                      |
| D4120-05-23.00F25-P43 | 23                   | 115                  | 140                  | 56                   | 25                   | 35                   | 0,55 | 1 / 1                   |                                      |
| D4120-05-23.50F25-P43 | 23,5                 | 117,5                | 142,5                | 56                   | 25                   | 35                   | 0,52 | 1 / 1                   |                                      |
| D4120-05-24.00F25-P43 | 24                   | 120                  | 145                  | 56                   | 25                   | 35                   | 0,53 | 1 / 1                   |                                      |
| D4120-05-24.50F25-P44 | 24,5                 | 122,5                | 147,5                | 56                   | 25                   | 35                   | 0,53 | 1 / 1                   | P484 . P-4R- ...<br>P484 . C-4R- ... |
| D4120-05-25.00F25-P44 | 25                   | 125                  | 150                  | 56                   | 25                   | 35                   | 0,61 | 1 / 1                   |                                      |
| D4120-05-25.50F32-P44 | 25,5                 | 127,5                | 159,5                | 60                   | 32                   | 42                   | 0,82 | 1 / 1                   |                                      |
| D4120-05-26.00F32-P44 | 26                   | 130                  | 162                  | 60                   | 32                   | 42                   | 0,95 | 1 / 1                   |                                      |
| D4120-05-26.50F32-P44 | 26,5                 | 132,5                | 164,5                | 60                   | 32                   | 42                   | 0,86 | 1 / 1                   |                                      |
| D4120-05-27.00F32-P44 | 27                   | 135                  | 167                  | 60                   | 32                   | 42                   | 0,93 | 1 / 1                   |                                      |
| D4120-05-27.50F32-P44 | 27,5                 | 137,5                | 169,5                | 60                   | 32                   | 42                   | 0,9  | 1 / 1                   |                                      |
| D4120-05-28.00F32-P44 | 28                   | 140                  | 172                  | 60                   | 32                   | 42                   | 1,03 | 1 / 1                   |                                      |
| D4120-05-28.50F32-P44 | 28,5                 | 142,5                | 174,5                | 60                   | 32                   | 42                   | 0,95 | 1 / 1                   |                                      |
| D4120-05-29.00F32-P44 | 29                   | 145                  | 177                  | 60                   | 32                   | 42                   | 1,04 | 1 / 1                   |                                      |
| D4120-05-29.50F32-P45 | 29,5                 | 147,5                | 179,5                | 60                   | 32                   | 42                   | 0,98 | 1 / 1                   | P484 . P-5R- ...<br>P484 . C-5R- ... |
| D4120-05-30.00F32-P45 | 30                   | 150                  | 182                  | 60                   | 32                   | 42                   | 1,01 | 1 / 1                   |                                      |
| D4120-05-30.50F32-P45 | 30,5                 | 152,5                | 184,5                | 60                   | 32                   | 42                   | 1,03 | 1 / 1                   |                                      |
| D4120-05-31.00F32-P45 | 31                   | 155                  | 187                  | 60                   | 32                   | 42                   | 1,13 | 1 / 1                   |                                      |
| D4120-05-31.50F32-P45 | 31,5                 | 157,5                | 189,5                | 60                   | 32                   | 42                   | 1,09 | 1 / 1                   |                                      |
| D4120-05-32.00F32-P45 | 32                   | 160                  | 192                  | 60                   | 32                   | 42                   | 1,19 | 1 / 1                   |                                      |
| D4120-05-32.50F32-P45 | 32,5                 | 162,5                | 194,5                | 60                   | 32                   | 42                   | 1,15 | 1 / 1                   |                                      |
| D4120-05-33.00F32-P45 | 33                   | 165                  | 197                  | 60                   | 32                   | 42                   | 1,25 | 1 / 1                   |                                      |
| D4120-05-33.50F32-P45 | 33,5                 | 167,5                | 199,5                | 60                   | 32                   | 42                   | 1,21 | 1 / 1                   |                                      |

Корпус и сборочные детали входят в комплект поставки

WALTER SELECT

Жёсткость станка, закрепления инструмента и заготовки → очень хорошая = 😊 → хорошая = 😊 → средняя = 😊



### Сборочные детали

| D <sub>c</sub> [mm]             | 16,5–20                 | 20,5–24                 | 24,5–29               | 29,5–35                  | 35,5–42                  | 43–59                  |
|---------------------------------|-------------------------|-------------------------|-----------------------|--------------------------|--------------------------|------------------------|
| Винт пластины<br>Момент затяжки | FS2111 (T7IP)<br>0,9 Nm | FS1454 (T8IP)<br>1,2 Nm | FS1457 (T9IP)<br>2 Nm | FS2080 (T15IP)<br>2,5 Nm | FS1453 (T15IP)<br>3,5 Nm | FS1495 (T20IP)<br>5 Nm |

### Комплектующие

| D <sub>c</sub> [mm]                | 16,5–20       | 20,5–24       | 24,5–29       | 29,5–42        | 43–59          |
|------------------------------------|---------------|---------------|---------------|----------------|----------------|
| Динамометрический ключ, аналоговый | FS2001        | FS2001        | FS2003        | FS2003         | FS2003         |
| Динамометрический ключ, цифровой   |               | FS2248        | FS2248        | FS2248         | FS2248         |
| Вставка                            | FS2011 (T7IP) | FS2012 (T8IP) | FS2013 (T9IP) | FS2014 (T15IP) | FS2015 (T20IP) |
| Отвёртка                           | FS2088 (T7IP) | FS1483 (T8IP) | FS1484 (T9IP) | FS1485 (T15IP) | FS1486 (T20IP) |

### Пластины

| Обозначение | Размер        | P      |        | M      |       | K      |       | N      |        | S     |      |
|-------------|---------------|--------|--------|--------|-------|--------|-------|--------|--------|-------|------|
|             |               | HC     |        | HC     |       | HC     |       | HC     | HW     | HC    |      |
|             |               | WKP25S | WKP35S | WSP45G | WXP40 | WSP45G | WXP40 | WKP25S | WKP35S | WNN15 | WN15 |
|             | P4840C-2R-E67 | 2      | ☑      | ☑      | ☑     | ☑      | ☑     | ☑      |        |       | ☑    |
|             | P4840C-2R-E77 | 2      |        |        |       |        |       |        | ☑      | ☑     |      |
|             | P4841C-2R-A57 | 2      | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑    |
|             | P4841C-2R-E57 | 2      | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑    |
|             | P4840C-3R-E67 | 3      | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑    |
|             | P4840C-3R-E77 | 3      |        |        |       |        |       |        | ☑      | ☑     |      |
|             | P4841C-3R-A57 | 3      | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑    |
|             | P4841C-3R-E57 | 3      | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑    |
|             | P4840C-.R-E67 | 4-8    | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑    |
|             | P4840C-.R-E77 | 4-8    |        |        |       |        |       |        | ☑      | ☑     |      |
|             | P4840P-2R-A57 | 2      | ☑      | ☑      | ☑     | ☑      | ☑     | ☑      |        |       | ☑    |
|             | P4840P-2R-E57 | 2      | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑    |
|             | P4840P-2R-E67 | 2      | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑    |
|             | P4840P-2R-E77 | 2      |        |        |       |        |       |        | ☑      | ☑     |      |
|             | P4841P-2R-A57 | 2      | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑    |
|             | P4841P-2R-E57 | 2      | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑    |
|             | P4840P-3R-A57 | 3      | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑    |
|             | P4840P-3R-E57 | 3      | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑    |
|             | P4840P-3R-E67 | 3      | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑    |
|             | P4840P-3R-E77 | 3      |        |        |       |        |       |        | ☑      | ☑     |      |
|             | P4841P-3R-A57 | 3      | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑    |
|             | P4841P-3R-E57 | 3      | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑    |
|             | P4840P-.R-A57 | 4-8    | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑    |
|             | P4840P-.R-E57 | 4-8    | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑    |
|             | P4840P-.R-E67 | 4-8    | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑    |
|             | P4840P-.R-E77 | 4-8    |        |        |       |        |       |        | ☑      | ☑     |      |
|             | P4841P-.R-A57 | 4-8    | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑    |
|             | P4841P-.R-E57 | 4-8    | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑    |

HC = Coated carbide  
HW = Uncoated carbide

## Сверла с пластинами

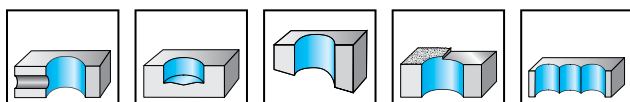
 D4120 

Drion-tec®



B1

|                  |     |
|------------------|-----|
| 5×D <sub>c</sub> | Z=1 |
|------------------|-----|



|       |    |   |    |    |   |   |   |
|-------|----|---|----|----|---|---|---|
| D4120 | P  | M | K  | N  | S | H | O |
|       | ●● |   | ●● | ●● |   |   |   |

| Инструмент                         | Обозначение           | D <sub>c</sub><br>mm | L <sub>c</sub><br>mm | l <sub>4</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>mm | d <sub>4</sub><br>mm | kg    | Кол-во<br>пластин<br>EA | Тип                                  |
|------------------------------------|-----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|-------|-------------------------|--------------------------------------|
| <p>Cylindrical shank with flat</p> | D4120-05-34.00F32-P45 | 34                   | 170                  | 202                  | 60                   | 32                   | 42                   | 1,31  | 1 / 1                   | P484 . P-5R- ...<br>P484 . C-5R- ... |
|                                    | D4120-05-34.50F32-P45 | 34,5                 | 172,5                | 204,5                | 60                   | 32                   | 42                   | 1,28  | 1 / 1                   |                                      |
|                                    | D4120-05-35.00F32-P45 | 35                   | 175                  | 207                  | 60                   | 32                   | 42                   | 1,3   | 1 / 1                   |                                      |
| <p>Cylindrical shank with flat</p> | D4120-05-35.50F32-P46 | 35,5                 | 177,5                | 209,5                | 60                   | 32                   | 42                   | 1,28  | 1 / 1                   | P484 . P-6R- ...<br>P484 . C-6R- ... |
|                                    | D4120-05-36.00F32-P46 | 36                   | 180                  | 212                  | 60                   | 32                   | 42                   | 1,32  | 1 / 1                   |                                      |
|                                    | D4120-05-36.50F32-P46 | 36,5                 | 182,5                | 214,5                | 60                   | 32                   | 50                   | 1,35  | 1 / 1                   |                                      |
|                                    | D4120-05-37.00F40-P46 | 37                   | 185                  | 225                  | 70                   | 40                   | 50                   | 1,45  | 1 / 1                   |                                      |
|                                    | D4120-05-37.50F40-P46 | 37,5                 | 187,5                | 227,5                | 70                   | 40                   | 50                   | 1,89  | 1 / 1                   |                                      |
|                                    | D4120-05-38.00F40-P46 | 38                   | 190                  | 230                  | 70                   | 40                   | 50                   | 2,02  | 1 / 1                   |                                      |
|                                    | D4120-05-38.50F40-P46 | 38,5                 | 192,5                | 232,5                | 70                   | 40                   | 50                   | 1,97  | 1 / 1                   |                                      |
|                                    | D4120-05-39.00F40-P46 | 39                   | 195                  | 235                  | 70                   | 40                   | 50                   | 2,09  | 1 / 1                   |                                      |
|                                    | D4120-05-39.50F40-P46 | 39,5                 | 197,5                | 237,5                | 70                   | 40                   | 50                   | 2,06  | 1 / 1                   |                                      |
|                                    | D4120-05-40.00F40-P46 | 40                   | 200                  | 240                  | 70                   | 40                   | 50                   | 2,17  | 1 / 1                   |                                      |
|                                    | D4120-05-40.50F40-P46 | 40,5                 | 202,5                | 242,5                | 70                   | 40                   | 50                   | 2,16  | 1 / 1                   |                                      |
| <p>Cylindrical shank with flat</p> | D4120-05-41.00F40-P46 | 41                   | 205                  | 245                  | 70                   | 40                   | 50                   | 2,32  | 1 / 1                   | P484 . P-7R- ...<br>P484 . C-7R- ... |
|                                    | D4120-05-41.50F40-P46 | 41,5                 | 207,5                | 247,5                | 70                   | 40                   | 50                   | 2,26  | 1 / 1                   |                                      |
|                                    | D4120-05-42.00F40-P46 | 42                   | 210                  | 250                  | 70                   | 40                   | 50                   | 2,45  | 1 / 1                   |                                      |
|                                    | D4120-05-43.00F40-P47 | 43                   | 215                  | 255                  | 70                   | 40                   | 50                   | 2,49  | 1 / 1                   |                                      |
|                                    | D4120-05-44.00F40-P47 | 44                   | 220                  | 260                  | 70                   | 40                   | 50                   | 2,61  | 1 / 1                   |                                      |
|                                    | D4120-05-45.00F40-P47 | 45                   | 225                  | 265                  | 70                   | 40                   | 50                   | 2,71  | 1 / 1                   |                                      |
|                                    | D4120-05-46.00F40-P47 | 46                   | 230                  | 270                  | 70                   | 40                   | 50                   | 2,81  | 1 / 1                   |                                      |
|                                    | D4120-05-47.00F40-P47 | 47                   | 235                  | 275                  | 70                   | 40                   | 50                   | 2,93  | 1 / 1                   |                                      |
| <p>Cylindrical shank with flat</p> | D4120-05-48.00F40-P47 | 48                   | 240                  | 280                  | 70                   | 40                   | 50                   | 3,08  | 1 / 1                   | P484 . P-8R- ...<br>P484 . C-8R- ... |
|                                    | D4120-05-49.00F40-P47 | 49                   | 245                  | 285                  | 70                   | 40                   | 50                   | 3,2   | 1 / 1                   |                                      |
|                                    | D4120-05-50.00F40-P47 | 50                   | 250                  | 290                  | 70                   | 40                   | 50                   | 3,39  | 1 / 1                   |                                      |
|                                    | D4120-05-51.00F40-P48 | 51                   | 255                  | 295                  | 70                   | 40                   | 50                   | 3,45  | 1 / 1                   |                                      |
|                                    | D4120-05-52.00F40-P48 | 52                   | 260                  | 300                  | 70                   | 40                   | 50                   | 3,61  | 1 / 1                   |                                      |
|                                    | D4120-05-53.00F40-P48 | 53                   | 265                  | 305                  | 70                   | 40                   | 50                   | 3,74  | 1 / 1                   |                                      |
|                                    | D4120-05-54.00F40-P48 | 54                   | 270                  | 310                  | 70                   | 40                   | 50                   | 3,86  | 1 / 1                   |                                      |
|                                    | D4120-05-55.00F40-P48 | 55                   | 275                  | 315                  | 70                   | 40                   | 50                   | 4,07  | 1 / 1                   |                                      |
|                                    | D4120-05-56.00F40-P48 | 56                   | 280                  | 320                  | 70                   | 40                   | 50                   | 4,22  | 1 / 1                   |                                      |
|                                    | D4120-05-57.00F40-P48 | 57                   | 285                  | 325                  | 70                   | 40                   | 50                   | 4,2   | 1 / 1                   |                                      |
|                                    | D4120-05-58.00F40-P48 | 58                   | 290                  | 330                  | 70                   | 40                   | 50                   | 4,39  | 1 / 1                   |                                      |
| D4120-05-59.00F40-P48              | 59                    | 295                  | 335                  | 70                   | 40                   | 50                   | 4,8                  | 1 / 1 |                         |                                      |

Корпус и сборочные детали входят в комплект поставки

**WALTER SELECT**

Жёсткость станка, закрепления инструмента и заготовки → очень хорошая = 😊 → хорошая = 😊 → средняя = 😊

### Сборочные детали

| D <sub>c</sub> [mm]             | 16,5–20                 | 20,5–24                 | 24,5–29               | 29,5–35                  | 35,5–42                  | 43–59                  |
|---------------------------------|-------------------------|-------------------------|-----------------------|--------------------------|--------------------------|------------------------|
| Винт пластины<br>Момент затяжки | FS2111 (T7IP)<br>0,9 Nm | FS1454 (T8IP)<br>1,2 Nm | FS1457 (T9IP)<br>2 Nm | FS2080 (T15IP)<br>2,5 Nm | FS1453 (T15IP)<br>3,5 Nm | FS1495 (T20IP)<br>5 Nm |

### Комплектующие

| D <sub>c</sub> [mm]                | 16,5–20       | 20,5–24       | 24,5–29       | 29,5–42        | 43–59          |
|------------------------------------|---------------|---------------|---------------|----------------|----------------|
| Динамометрический ключ, аналоговый | FS2001        | FS2001        | FS2003        | FS2003         | FS2003         |
| Динамометрический ключ, цифровой   |               | FS2248        | FS2248        | FS2248         | FS2248         |
| Вставка                            | FS2011 (T7IP) | FS2012 (T8IP) | FS2013 (T9IP) | FS2014 (T15IP) | FS2015 (T20IP) |
| Отвёртка                           | FS2088 (T7IP) | FS1483 (T8IP) | FS1484 (T9IP) | FS1485 (T15IP) | FS1486 (T20IP) |

### Пластины

| Обозначение   | Размер        | P             |        | M      |       | K      |       | N      |        | S     |      |        |
|---------------|---------------|---------------|--------|--------|-------|--------|-------|--------|--------|-------|------|--------|
|               |               | HC            |        | HC     |       | HC     |       | HC     | HW     | HC    |      |        |
|               |               | WKP25S        | WKP35S | WSP45G | WXP40 | WSP45G | WXP40 | WKP25S | WKP35S | WNN15 | WN15 | WSP45G |
|               | P4840C-2R-E67 | 2             | ☑      | ☑      | ☑     | ☑      | ☑     | ☑      |        |       | ☑    |        |
|               | P4840C-2R-E77 | 2             |        |        |       |        |       |        | ☑      | ☑     |      |        |
|               | P4841C-2R-A57 | 2             | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑    |        |
|               | P4841C-2R-E57 | 2             | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑    |        |
|               | P4840C-3R-E67 | 3             | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑    |        |
|               | P4840C-3R-E77 | 3             |        |        |       |        |       |        | ☑      | ☑     |      |        |
|               | P4841C-3R-A57 | 3             | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑    |        |
|               | P4841C-3R-E57 | 3             | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑    |        |
|               | P4840C-.R-E67 | 4-8           | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑    |        |
|               | P4840C-.R-E77 | 4-8           |        |        |       |        |       |        | ☑      | ☑     |      |        |
|               | P4841C-.R-A57 | 4-8           | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑    |        |
|               | P4841C-.R-E57 | 4-8           | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑    |        |
|               |               | P4840P-2R-A57 | 2      | ☑      | ☑     | ☑      | ☑     | ☑      | ☑      |       |      | ☑      |
|               |               | P4840P-2R-E57 | 2      | ☑      | ☑     | ☑      | ☑     | ☑      |        |       |      | ☑      |
| P4840P-2R-E67 |               | 2             | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑    |        |
| P4840P-2R-E77 |               | 2             |        |        |       |        |       |        | ☑      | ☑     |      |        |
| P4841P-2R-A57 |               | 2             | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑    |        |
| P4841P-2R-E57 |               | 2             | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑    |        |
| P4840P-3R-A57 |               | 3             | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑    |        |
| P4840P-3R-E57 |               | 3             | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑    |        |
| P4840P-3R-E67 |               | 3             | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑    |        |
| P4840P-3R-E77 |               | 3             |        |        |       |        |       |        | ☑      | ☑     |      |        |
| P4841P-3R-A57 |               | 3             | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑    |        |
| P4841P-3R-E57 |               | 3             | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑    |        |
| P4840P-.R-A57 |               | 4-8           | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑    |        |
| P4840P-.R-E57 |               | 4-8           | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑    |        |
| P4840P-.R-E67 |               | 4-8           | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑    |        |
| P4840P-.R-E77 |               | 4-8           |        |        |       |        |       |        | ☑      | ☑     |      |        |
| P4841P-.R-A57 |               | 4-8           | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑    |        |
| P4841P-.R-E57 |               | 4-8           | ☑      | ☑      | ☑     | ☑      | ☑     |        |        |       | ☑    |        |

HC = Coated carbide  
HW = Uncoated carbide

## Сверла с пластинами

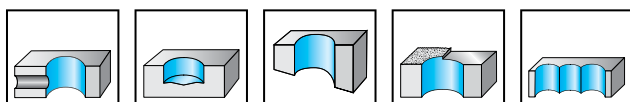
 D4120 inch

Drion-tec®



B1

|                  |       |
|------------------|-------|
| 5×D <sub>C</sub> | Z = 1 |
|------------------|-------|



|   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|
| P | M | K | N | S | H | O |
| ● | ● | ● | ● | ● | ● | ● |

| Инструмент                  | Обозначение           | D <sub>C</sub><br>inch | L <sub>C</sub><br>inch | l <sub>4</sub><br>inch | l <sub>5</sub><br>inch | d <sub>1</sub><br>inch | d <sub>4</sub><br>inch | lbs   | Кол-во<br>пластин<br>EA | Тип                                  |                                      |
|-----------------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------|-------------------------|--------------------------------------|--------------------------------------|
| Cylindrical shank with flat | D4120.05-16.66F26-P42 | 0,656                  | 3,280                  | 4,280                  | 2,281                  | 1,000                  | 1,375                  | 1,030 | 1 / 1                   | P484 . P-2R- ...<br>P484 . C-2R- ... |                                      |
|                             | D4120.05-17.04F26-P42 | 0,671                  | 3,355                  | 4,355                  | 2,281                  | 1,000                  | 1,375                  | 1,047 | 1 / 1                   |                                      |                                      |
|                             | D4120.05-17.45F26-P42 | 0,687                  | 3,435                  | 4,435                  | 2,281                  | 1,000                  | 1,375                  | 1,071 | 1 / 1                   |                                      |                                      |
|                             | D4120.05-17.86F26-P42 | 0,703                  | 3,515                  | 4,515                  | 2,281                  | 1,000                  | 1,375                  | 1,049 | 1 / 1                   |                                      |                                      |
|                             | D4120.05-18.24F26-P42 | 0,718                  | 3,590                  | 4,59                   | 2,281                  | 1,000                  | 1,375                  | 1,107 | 1 / 1                   |                                      |                                      |
|                             | D4120.05-19.05F26-P42 | 0,750                  | 3,750                  | 4,750                  | 2,281                  | 1,000                  | 1,375                  | 1,177 | 1 / 1                   |                                      |                                      |
|                             | D4120.05-19.43F26-P42 | 0,765                  | 3,825                  | 4,825                  | 2,281                  | 1,000                  | 1,375                  | 1,118 | 1 / 1                   |                                      |                                      |
|                             | D4120.05-19.84F26-P42 | 0,781                  | 3,905                  | 4,905                  | 2,281                  | 1,000                  | 1,375                  | 1,135 | 1 / 1                   |                                      |                                      |
|                             | D4120.05-20.62F26-P43 | 0,812                  | 4,06                   | 5,060                  | 2,281                  | 1,000                  | 1,375                  | 1,155 | 1 / 1                   |                                      | P484 . P-3R- ...<br>P484 . C-3R- ... |
|                             | D4120.05-21.41F26-P43 | 0,843                  | 4,215                  | 5,215                  | 2,281                  | 1,000                  | 1,375                  | 1,239 | 1 / 1                   |                                      |                                      |
| Cylindrical shank with flat | D4120.05-22.23F31-P43 | 0,875                  | 4,375                  | 5,505                  | 2,281                  | 1,250                  | 1,625                  | 1,671 | 1 / 1                   | P484 . P-4R- ...<br>P484 . C-4R- ... |                                      |
|                             | D4120.05-23.01F31-P43 | 0,906                  | 4,530                  | 5,660                  | 2,281                  | 1,250                  | 1,625                  | 1,775 | 1 / 1                   |                                      |                                      |
|                             | D4120.05-23.39F31-P43 | 0,921                  | 4,605                  | 5,735                  | 2,281                  | 1,250                  | 1,625                  | 1,799 | 1 / 1                   |                                      |                                      |
|                             | D4120.05-23.80F31-P43 | 0,937                  | 4,685                  | 5,815                  | 2,281                  | 1,250                  | 1,625                  | 1,830 | 1 / 1                   |                                      |                                      |
|                             | D4120.05-24.59F31-P44 | 0,968                  | 4,840                  | 5,97                   | 2,281                  | 1,250                  | 1,625                  | 1,759 | 1 / 1                   |                                      |                                      |
|                             | D4120.05-24.99F31-P44 | 0,984                  | 4,92                   | 6,050                  | 2,281                  | 1,250                  | 1,625                  | 1,764 | 1 / 1                   |                                      |                                      |
|                             | D4120.05-25.40F31-P44 | 1,000                  | 5,000                  | 6,130                  | 2,362                  | 1,250                  | 1,625                  | 1,94  | 1 / 1                   |                                      |                                      |
|                             | D4120.05-26.57F31-P44 | 1,046                  | 5,230                  | 6,360                  | 2,281                  | 1,250                  | 1,625                  | 2,064 | 1 / 1                   |                                      |                                      |
|                             | D4120.05-26.97F31-P44 | 1,062                  | 5,31                   | 6,44                   | 2,281                  | 1,250                  | 1,625                  | 2,072 | 1 / 1                   |                                      |                                      |
|                             | D4120.05-28.17F31-P44 | 1,109                  | 5,545                  | 6,675                  | 2,281                  | 1,250                  | 1,625                  | 2,22  | 1 / 1                   |                                      |                                      |
| Cylindrical shank with flat | D4120.05-28.58F31-P44 | 1,125                  | 5,625                  | 6,755                  | 2,281                  | 1,250                  | 1,625                  | 2,227 | 1 / 1                   | P484 . P-5R- ...<br>P484 . C-5R- ... |                                      |
|                             | D4120.05-29.74F31-P45 | 1,171                  | 5,855                  | 6,985                  | 2,281                  | 1,250                  | 1,625                  | 2,33  | 1 / 1                   |                                      |                                      |
|                             | D4120.05-30.15F31-P45 | 1,187                  | 5,935                  | 7,065                  | 2,281                  | 1,250                  | 1,625                  | 2,374 | 1 / 1                   |                                      |                                      |
|                             | D4120.05-31.75F31-P45 | 1,250                  | 6,250                  | 7,380                  | 2,281                  | 1,250                  | 1,625                  | 2,579 | 1 / 1                   |                                      |                                      |
|                             | D4120.05-33.32F31-P45 | 1,312                  | 6,56                   | 7,69                   | 2,281                  | 1,250                  | 1,625                  | 2,789 | 1 / 1                   |                                      |                                      |
| Cylindrical shank with flat | D4120.05-34.11F31-P45 | 1,343                  | 6,715                  | 7,845                  | 2,281                  | 1,250                  | 1,625                  | 2,908 | 1 / 1                   | P484 . P-6R- ...<br>P484 . C-6R- ... |                                      |
|                             | D4120.05-34.93F31-P45 | 1,375                  | 6,875                  | 8,005                  | 2,281                  | 1,250                  | 1,625                  | 2,91  | 1 / 1                   |                                      |                                      |
|                             | D4120.05-36.09F31-P46 | 1,421                  | 7,105                  | 8,235                  | 2,281                  | 1,250                  | 1,625                  | 2,932 | 1 / 1                   |                                      |                                      |
|                             | D4120.05-36.50F38-P46 | 1,437                  | 7,185                  | 8,565                  | 2,688                  | 1,500                  | 1,940                  | 3,814 | 1 / 1                   |                                      |                                      |
|                             | D4120.05-38.10F38-P46 | 1,500                  | 7,500                  | 8,880                  | 2,688                  | 1,500                  | 1,940                  | 4,079 | 1 / 1                   |                                      |                                      |
| Cylindrical shank with flat | D4120.05-39.67F38-P46 | 1,562                  | 7,81                   | 9,19                   | 2,688                  | 1,500                  | 1,940                  | 4,597 | 1 / 1                   | P484 . P-7R- ...<br>P484 . C-7R- ... |                                      |
|                             | D4120.05-41.28F38-P46 | 1,625                  | 8,125                  | 9,505                  | 2,688                  | 1,500                  | 1,940                  | 4,579 | 1 / 1                   |                                      |                                      |
|                             | D4120.05-42.85F38-P47 | 1,687                  | 8,435                  | 9,815                  | 2,688                  | 1,500                  | 1,940                  | 4,665 | 1 / 1                   |                                      |                                      |
| Cylindrical shank with flat | D4120.05-44.45F38-P47 | 1,750                  | 8,750                  | 10,130                 | 2,688                  | 1,500                  | 1,940                  | 5,146 | 1 / 1                   | P484 . P-7R- ...<br>P484 . C-7R- ... |                                      |
|                             | D4120.05-46.02F38-P47 | 1,812                  | 9,06                   | 10,44                  | 2,688                  | 1,500                  | 1,940                  | 5,54  | 1 / 1                   |                                      |                                      |
|                             | D4120.05-47.63F38-P47 | 1,875                  | 9,375                  | 10,755                 | 2,688                  | 1,500                  | 1,940                  | 5,977 | 1 / 1                   |                                      |                                      |
|                             | D4120.05-49.20F38-P47 | 1,937                  | 9,685                  | 11,065                 | 2,688                  | 1,500                  | 1,940                  | 6,446 | 1 / 1                   |                                      |                                      |

Корпус и сборочные детали входят в комплект поставки

**WALTER SELECT**

Жёсткость станка, закрепления инструмента и заготовки → очень хорошая = 😊 → хорошая = 😊 → средняя = 😊

### Сборочные детали

| D <sub>c</sub> [inch]           | 0,656–0,781                | 0,812–0,937                | 0,968–1,125                | 1,171–1,375                 | 1,421–1,625                 | 1,687–2,25                  |
|---------------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|-----------------------------|-----------------------------|
| Винт пластины<br>Момент затяжки | FS2111 (T7IP)<br>0,664 lbs | FS1454 (T8IP)<br>0,885 lbs | FS1457 (T9IP)<br>1,475 lbs | FS2080 (T15IP)<br>1,844 lbs | FS1453 (T15IP)<br>2,581 lbs | FS1495 (T20IP)<br>3,688 lbs |

### Комплектующие

| D <sub>c</sub> [inch]              | 0,656–0,781   | 0,812–0,937   | 0,968–1,125   | 1,171–1,625    | 1,687–2,25     |
|------------------------------------|---------------|---------------|---------------|----------------|----------------|
| Динамометрический ключ, аналоговый | FS2002        | FS2002        | FS2004        | FS2004         | FS2004         |
| Динамометрический ключ, цифровой   |               | FS2248        | FS2248        | FS2248         | FS2248         |
| Вставка                            | FS2011 (T7IP) | FS2012 (T8IP) | FS2013 (T9IP) | FS2014 (T15IP) | FS2015 (T20IP) |
| Отвёртка                           | FS2088 (T7IP) | FS1483 (T8IP) | FS1484 (T9IP) | FS1485 (T15IP) | FS1486 (T20IP) |

### Пластины

| Обозначение | Размер        | P       |        | M      |       | K      |       | N      |        | S     |       |
|-------------|---------------|---------|--------|--------|-------|--------|-------|--------|--------|-------|-------|
|             |               | HC      |        | HC     |       | HC     |       | HC     | HW     | HC    |       |
|             |               | WKP25S  | WKP35S | WSP45G | WXP40 | WSP45G | WXP40 | WKP25S | WKP35S | WNN15 | WNN15 |
|             | P4840C-2R-E67 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      |        |       | ☺     |
|             | P4840C-2R-E77 | 0.1     |        |        |       |        |       |        | ☺      | ☺     |       |
|             | P4841C-2R-A57 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4841C-2R-E57 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4840C-3R-E67 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4840C-3R-E77 | 0.1     |        |        |       |        |       |        | ☺      | ☺     |       |
|             | P4841C-3R-A57 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4841C-3R-E57 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4840C-.R-E67 | 0.2–0.3 | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4840C-.R-E77 | 0.2–0.3 |        |        |       |        |       |        | ☺      | ☺     |       |
|             | P4841C-.R-A57 | 0.2–0.3 | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4841C-.R-E57 | 0.2–0.3 | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4840P-2R-A57 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4840P-2R-E57 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4840P-2R-E67 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4840P-2R-E77 | 0.1     |        |        |       |        |       |        | ☺      | ☺     |       |
|             | P4841P-2R-A57 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4841P-2R-E57 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4840P-3R-A57 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4840P-3R-E57 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4840P-3R-E67 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4840P-3R-E77 | 0.1     |        |        |       |        |       |        | ☺      | ☺     |       |
|             | P4841P-3R-A57 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4841P-3R-E57 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4840P-.R-A57 | 0.2–0.3 | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4840P-.R-E57 | 0.2–0.3 | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4840P-.R-E67 | 0.2–0.3 | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4840P-.R-E77 | 0.2–0.3 |        |        |       |        |       |        | ☺      | ☺     |       |
|             | P4841P-.R-A57 | 0.2–0.3 | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4841P-.R-E57 | 0.2–0.3 | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |

P48 ... C = центральная пластина  
P48 ... P = периферийная пластина

HC = твёрдый сплав с покрытием  
HW = твёрдый сплав без покрытия

### WALTER SELECT

Жёсткость станка, закрепления инструмента и заготовки → очень хорошая = ☺ → хорошая = ☺ → средняя = ☺

☺ ☺ ☺ / \* = Новый инструмент

B1

## Сверла с пластинами

 D4120 inch

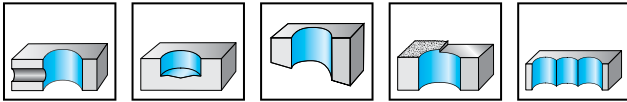
Drion-tec®



B1

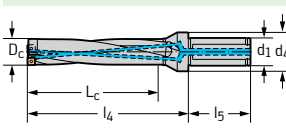
 5×D<sub>c</sub>

Z = 1



|       |    |   |    |    |   |   |   |
|-------|----|---|----|----|---|---|---|
|       | P  | M | K  | N  | S | H | O |
| D4120 | ●● |   | ●● | ●● |   |   |   |

## Инструмент



| Обозначение  | D <sub>c</sub><br>inch | L <sub>c</sub><br>inch | l <sub>4</sub><br>inch | l <sub>5</sub><br>inch | d <sub>1</sub><br>inch | d <sub>4</sub><br>inch | lbs    | Кол-во<br>пластин<br>EA | Тип             |
|--|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|--------|-------------------------|-----------------|
| D4120.05-50.80F51-P48                                | 2,000                  | 10,000                 | 11,62                  | 3,250                  | 2,000                  | 2,440                  | 9,132  | 1 / 1                   | P484 . P-8R-... |
| D4120.05-52.37F51-P48                                | 2,062                  | 10,31                  | 11,930                 | 3,250                  | 2,000                  | 2,440                  | 9,685  | 1 / 1                   | P484 . C-8R-... |
| D4120.05-53.98F51-P48                                | 2,125                  | 10,625                 | 12,245                 | 3,250                  | 2,000                  | 2,440                  | 10,28  | 1 / 1                   |                 |
| D4120.05-55.55F51-P48                                | 2,187                  | 10,935                 | 12,555                 | 3,250                  | 2,000                  | 2,440                  | 10,895 | 1 / 1                   |                 |
| Cylindrical shank with flat<br>D4120.05-57.15F51-P48 | 2,250                  | 11,250                 | 12,87                  | 3,250                  | 2,000                  | 2,440                  | 11,559 | 1 / 1                   |                 |

Корпус и сборочные детали входят в комплект поставки

### Сборочные детали

| D <sub>c</sub> [inch]           | 0,656–0,781                | 0,812–0,937                | 0,968–1,125                | 1,171–1,375                 | 1,421–1,625                 | 1,687–2,25                  |
|---------------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|-----------------------------|-----------------------------|
| Винт пластины<br>Момент затяжки | FS2111 (T7IP)<br>0,664 lbs | FS1454 (T8IP)<br>0,885 lbs | FS1457 (T9IP)<br>1,475 lbs | FS2080 (T15IP)<br>1,844 lbs | FS1453 (T15IP)<br>2,581 lbs | FS1495 (T20IP)<br>3,688 lbs |

### Комплектующие

| D <sub>c</sub> [inch]              | 0,656–0,781   | 0,812–0,937   | 0,968–1,125   | 1,171–1,625    | 1,687–2,25     |
|------------------------------------|---------------|---------------|---------------|----------------|----------------|
| Динамометрический ключ, аналоговый | FS2002        | FS2002        | FS2004        | FS2004         | FS2004         |
| Динамометрический ключ, цифровой   |               | FS2248        | FS2248        | FS2248         | FS2248         |
| Вставка                            | FS2011 (T7IP) | FS2012 (T8IP) | FS2013 (T9IP) | FS2014 (T15IP) | FS2015 (T20IP) |
| Отвёртка                           | FS2088 (T7IP) | FS1483 (T8IP) | FS1484 (T9IP) | FS1485 (T15IP) | FS1486 (T20IP) |

### Пластины

| Обозначение | Размер        | P       |        | M      |       | K      |       | N      |        | S     |       |
|-------------|---------------|---------|--------|--------|-------|--------|-------|--------|--------|-------|-------|
|             |               | HC      |        | HC     |       | HC     |       | HC     | HW     | HC    |       |
|             |               | WKP25S  | WKP35S | WSP45G | WXP40 | WSP45G | WXP40 | WKP25S | WKP35S | WNN15 | WNN15 |
|             | P4840C-2R-E67 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      |        |       | ☺     |
|             | P4840C-2R-E77 | 0.1     |        |        |       |        |       |        | ☺      | ☺     |       |
|             | P4841C-2R-A57 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4841C-2R-E57 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4840C-3R-E67 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4840C-3R-E77 | 0.1     |        |        |       |        |       |        | ☺      | ☺     |       |
|             | P4841C-3R-A57 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4841C-3R-E57 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4840C-.R-E67 | 0.2–0.3 | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4840C-.R-E77 | 0.2–0.3 |        |        |       |        |       |        | ☺      | ☺     |       |
|             | P4841C-.R-A57 | 0.2–0.3 | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4841C-.R-E57 | 0.2–0.3 | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4840P-2R-A57 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      |        |       | ☺     |
|             | P4840P-2R-E57 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4840P-2R-E67 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4840P-2R-E77 | 0.1     |        |        |       |        |       |        | ☺      | ☺     |       |
|             | P4841P-2R-A57 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4841P-2R-E57 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4840P-3R-A57 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4840P-3R-E57 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4840P-3R-E67 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4840P-3R-E77 | 0.1     |        |        |       |        |       |        | ☺      | ☺     |       |
|             | P4841P-3R-A57 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4841P-3R-E57 | 0.1     | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4840P-.R-A57 | 0.2–0.3 | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4840P-.R-E57 | 0.2–0.3 | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4840P-.R-E67 | 0.2–0.3 | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4840P-.R-E77 | 0.2–0.3 |        |        |       |        |       |        | ☺      | ☺     |       |
|             | P4841P-.R-A57 | 0.2–0.3 | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |
|             | P4841P-.R-E57 | 0.2–0.3 | ☺      | ☺      | ☺     | ☺      | ☺     |        |        |       | ☺     |

P48...C = центральная пластина  
P48...P = периферийная пластина

HC = твёрдый сплав с покрытием  
HW = твёрдый сплав без покрытия

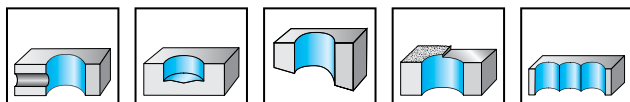
## Сверло с пластинами, с резцовой вставкой

 D4170 

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B1

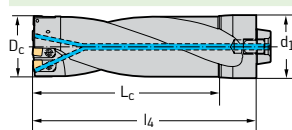


|                         |                  |     |
|-------------------------|------------------|-----|
| D <sub>c</sub><br>65-80 | 3×D <sub>c</sub> | Z=1 |
|-------------------------|------------------|-----|

|       |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|
|       | P | M | K | N | S | H | O |
| D4170 | ● | ● | ● | ● | ● |   |   |

## Инструмент

| Обозначение          | D <sub>c</sub><br>mm | L <sub>c</sub><br>mm | l <sub>4</sub><br>mm | d <sub>1</sub><br>mm | d <sub>1</sub> | kg   | Кол-во<br>пластин | Тип                                |
|----------------------|----------------------|----------------------|----------------------|----------------------|----------------|------|-------------------|------------------------------------|
| D4170-03-65.00N8-P45 | 65                   | 195                  | 245                  | 80                   | NCT 80         | 4,32 | 3 / 1             | P484 . P-5R- ..<br>P484 . C-5R- .. |
| D4170-03-68.00N8-P46 | 68                   | 204                  | 254                  | 80                   | NCT 80         | 4,4  | 3 / 1             | P484 . P-6R- ..<br>P484 . C-6R- .. |
| D4170-03-70.00N8-P46 | 70                   | 210                  | 260                  | 80                   | NCT 80         | 4,64 | 3 / 1             |                                    |
| D4170-03-78.00N8-P46 | 78                   | 234                  | 284                  | 80                   | NCT 80         | 6,13 | 3 / 1             |                                    |
| D4170-03-80.00N8-P45 | 80                   | 240                  | 290                  | 80                   | NCT 80         | 6,33 | 5 / 1             | P484 . P-5R- ..<br>P484 . C-5R- .. |



Modular NCT adaptor

Внимание: при обработке сквозных отверстий вращающимся сверлом на выходе образуется диск, который может вылететь с большой скоростью и нанести травмы и повреждения. Чтобы этого не произошло, примите меры предосторожности. | Корпус и сборочные детали входят в комплект поставки



### Сборочные детали

| D <sub>c</sub> [mm] |  | 65                       | 68                       | 70                       | 78                       | 80                       |
|---------------------|--|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
|                     | Винт пластины<br>Момент затяжки                      | FS1453 (T15IP)<br>3,5 Nm | FS1453 (T15IP)<br>3,5 Nm | FS1453 (T15IP)<br>3,5 Nm | FS1453 (T15IP)<br>3,5 Nm | FS1453 (T15IP)<br>3,5 Nm |
|                     | Внутренняя резцовая вставка                          | FR737C-5                 | FR743C-6                 | FR743C-6                 | FR743C-6                 | FR737C-5                 |
|                     | Внешняя резцовая вставка 1                           | FR738P-5                 | FR744P-6                 | FR744P-6                 | FR744P-6                 | FR738P-5                 |
|                     | Винт регулировочный радиальный                       | FS334 (SW 2)             | FS334 (SW 2)             |                          |                          |                          |
|                     | Внешняя резцовая вставка 2                           | FR741P-5                 | FR745P-6                 | FR746P-6                 | FR748P-6                 | FR739P-5                 |
|                     | Внешняя резцовая вставка 2<br>Винт<br>Момент затяжки | FS1149 (SW 4)<br>5 Nm    | FS1149 (SW 4)<br>5 Nm    | FS1149 (SW 4)<br>5 Nm    | FS1149 (SW 4)<br>5 Nm    | FS1149 (SW 4)<br>5 Nm    |
|                     | Внешняя резцовая вставка 2<br>Винт<br>Момент затяжки | FS966 (SW 5)<br>8 Nm     | FS966 (SW 5)<br>8 Nm     | FS966 (SW 5)<br>8 Nm     | FS966 (SW 5)<br>8 Nm     | FS966 (SW 5)<br>8 Nm     |

### Комплектующие

| D <sub>c</sub> [mm] |  | 65–80            |
|---------------------|--|------------------|
|                     | Динамометрический ключ, аналоговый                 | FS2003           |
|                     | Динамометрический ключ, цифровой                   | FS2248           |
|                     | Вставка  | FS2014 (T15IP)   |
|                     | Внешняя резцовая вставка 2<br>Ключ по ISO 2936 для | ISO2936-4 (SW 4) |
|                     | Внешняя резцовая вставка 2<br>Ключ по ISO 2936 для | ISO2936-5 (SW 5) |
|                     | Отвёртка   | FS1485 (T15IP)   |

В инструментах с диаметром D<sub>c</sub> = 80 мм внешняя резцовая вставка 1 (FR738P-5) устанавливается трижды

### Пластины

| Обозначение   | Размер | P      |        | M      |       | K      |       | N      |        | S     |      |        |
|---------------|--------|--------|--------|--------|-------|--------|-------|--------|--------|-------|------|--------|
|               |        | HC     |        | HC     |       | HC     |       | HC     | HW     | HC    |      |        |
|               |        | WKP25S | WKP35S | WSP45G | WXP40 | WSP45G | WXP40 | WKP25S | WKP35S | WNN15 | WN15 | WSP45G |
| P4840C-.R-E67 | 5–6    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P4840C-.R-E77 | 5–6    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P4841C-.R-A57 | 5–6    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P4841C-.R-E57 | 5–6    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P4840P-.R-A57 | 5–6    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P4840P-.R-E57 | 5–6    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P4840P-.R-E67 | 5–6    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P4840P-.R-E77 | 5–6    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P4841P-.R-A57 | 5–6    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P4841P-.R-E57 | 5–6    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |

P48 . . С = центральная пластина  
P48 . . P = периферийная пластина

HC = твёрдый сплав с покрытием  
HW = твёрдый сплав без покрытия

### WALTER SELECT

Жёсткость станка, закрепления инструмента и заготовки → очень хорошая = ☺ → хорошая = ☺ → средняя = ☺

☺ ☺ ☺ / \* = Новый инструмент

## Сверла с пластинами

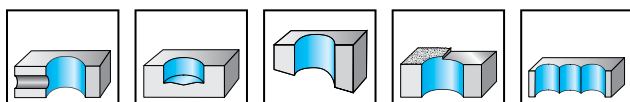
 D3120 

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B1

|                  |       |
|------------------|-------|
| 2×D <sub>c</sub> | Z = 1 |
|------------------|-------|



|       |    |    |    |    |    |   |   |
|-------|----|----|----|----|----|---|---|
| D3120 | P  | M  | K  | N  | S  | H | O |
|       | ●● | ●● | ●● | ●● | ●● |   |   |

## Инструмент

|                                    | Обозначение           | D <sub>c</sub><br>mm | L <sub>c</sub><br>mm | l <sub>4</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>mm | d <sub>4</sub><br>mm | kg   | Кол-во<br>пластин | Тип             |
|------------------------------------|-----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|------|-------------------|-----------------|
| <p>Cylindrical shank with flat</p> | D3120-02-16.00F25-P21 | 16                   | 32                   | 57                   | 56                   | 25                   | 32                   | 0,3  | 2                 | P284 . S-1N- .. |
|                                    | D3120-02-17.00F25-P21 | 17                   | 34                   | 59                   | 56                   | 25                   | 32                   | 0,31 | 2                 |                 |
|                                    | D3120-02-18.00F25-P21 | 18                   | 36                   | 61                   | 56                   | 25                   | 32                   | 0,31 | 2                 |                 |
|                                    | D3120-02-19.00F25-P21 | 19                   | 38                   | 63                   | 56                   | 25                   | 32                   | 0,32 | 2                 |                 |
|                                    | D3120-02-20.00F25-P21 | 20                   | 40                   | 65                   | 56                   | 25                   | 32                   | 0,34 | 2                 |                 |
| <p>Cylindrical shank with flat</p> | D3120-02-21.00F25-P22 | 21                   | 42                   | 67                   | 56                   | 25                   | 32                   | 0,33 | 2                 | P284 . S-2N- .. |
|                                    | D3120-02-22.00F25-P22 | 22                   | 44                   | 69                   | 56                   | 25                   | 32                   | 0,35 | 2                 |                 |
|                                    | D3120-02-23.00F25-P22 | 23                   | 46                   | 71                   | 56                   | 25                   | 32                   | 0,36 | 2                 |                 |
|                                    | D3120-02-24.00F25-P22 | 24                   | 48                   | 73                   | 56                   | 25                   | 32                   | 0,37 | 2                 |                 |
|                                    | D3120-02-25.00F25-P22 | 25                   | 50                   | 75                   | 56                   | 25                   | 32                   | 0,39 | 2                 |                 |
| <p>Cylindrical shank with flat</p> | D3120-02-26.00F32-P23 | 26                   | 52                   | 84                   | 60                   | 32                   | 40                   | 0,62 | 2                 | P284 . S-3N- .. |
|                                    | D3120-02-27.00F32-P23 | 27                   | 54                   | 86                   | 60                   | 32                   | 40                   | 0,68 | 2                 |                 |
|                                    | D3120-02-28.00F32-P23 | 28                   | 56                   | 88                   | 60                   | 32                   | 40                   | 0,7  | 2                 |                 |
|                                    | D3120-02-29.00F32-P23 | 29                   | 58                   | 90                   | 60                   | 32                   | 40                   | 0,69 | 2                 |                 |
|                                    | D3120-02-30.00F32-P23 | 30                   | 60                   | 92                   | 60                   | 32                   | 40                   | 0,71 | 2                 |                 |
| <p>Cylindrical shank with flat</p> | D3120-02-31.00F32-P24 | 31                   | 62                   | 94                   | 60                   | 32                   | 40                   | 0,69 | 2                 | P284 . S-4N- .. |
|                                    | D3120-02-32.00F32-P24 | 32                   | 64                   | 96                   | 60                   | 32                   | 40                   | 0,72 | 2                 |                 |
|                                    | D3120-02-33.00F32-P24 | 33                   | 66                   | 98                   | 60                   | 32                   | 40                   | 0,75 | 2                 |                 |
|                                    | D3120-02-34.00F32-P24 | 34                   | 68                   | 100                  | 60                   | 32                   | 40                   | 0,78 | 2                 |                 |
|                                    | D3120-02-35.00F32-P24 | 35                   | 70                   | 102                  | 60                   | 32                   | 40                   | 0,81 | 2                 |                 |
| <p>Cylindrical shank with flat</p> | D3120-02-36.00F32-P24 | 36                   | 72                   | 104                  | 60                   | 32                   | 40                   | 0,85 | 2                 | P284 . S-5N- .. |
|                                    | D3120-02-37.00F40-P25 | 37                   | 74                   | 114                  | 70                   | 40                   | 50                   | 1,28 | 2                 |                 |
|                                    | D3120-02-38.00F40-P25 | 38                   | 76                   | 116                  | 70                   | 40                   | 50                   | 1,32 | 2                 |                 |
|                                    | D3120-02-39.00F40-P25 | 39                   | 78                   | 118                  | 70                   | 40                   | 50                   | 1,36 | 2                 |                 |
|                                    | D3120-02-40.00F40-P25 | 40                   | 80                   | 120                  | 70                   | 40                   | 50                   | 1,39 | 2                 |                 |
|                                    | D3120-02-41.00F40-P25 | 41                   | 82                   | 122                  | 70                   | 40                   | 50                   | 1,44 | 2                 |                 |
|                                    | D3120-02-42.00F40-P25 | 42                   | 84                   | 124                  | 70                   | 40                   | 50                   | 1,48 | 2                 |                 |

Корпус и сборочные детали входят в комплект поставки

WALTER SELECT

Жёсткость станка, закрепления инструмента и заготовки → очень хорошая = ☺ → хорошая = ☹ → средняя = ☹☹

### Сборочные детали

| D <sub>c</sub> [mm]             | 16–20                   | 21–25                 | 26–30                  | 31–36                  | 37–42                  |
|---------------------------------|-------------------------|-----------------------|------------------------|------------------------|------------------------|
| Винт пластины<br>Момент затяжки | FS1454 (T8IP)<br>1,2 Nm | FS1456 (T9IP)<br>2 Nm | FS2181 (T15IP)<br>3 Nm | FS2119 (T15IP)<br>3 Nm | FS2139 (T20IP)<br>5 Nm |

### Комплектующие

| D <sub>c</sub> [mm]                                | 16–20         | 21–25         | 26–36          | 37–42          |
|--|---------------|---------------|----------------|----------------|
| Втулка эксц., диап.рег. от -0,2 до +0,55 мм отн. Ø | FS722         | FS722         | FS723          | FS724          |
| Динамометрический ключ, аналоговый                 | FS2001        | FS2003        | FS2003         | FS2003         |
| Динамометрический ключ, цифровой                   | FS2248        | FS2248        | FS2248         | FS2248         |
| Вставка  | FS2012 (T8IP) | FS2013 (T9IP) | FS2014 (T15IP) | FS2015 (T20IP) |
| Отвёртка   | FS1483 (T8IP) | FS1484 (T9IP) | FS1485 (T15IP) | FS1486 (T20IP) |

### Пластины

| Обозначение   | Размер | P      |        | M      |       | K      |       | N      |        | S     |      |        |
|---------------|--------|--------|--------|--------|-------|--------|-------|--------|--------|-------|------|--------|
|               |        | HC     | HC     | HC     | HC    | HC     | HW    | HC     |        |       |      |        |
|               |        | WKP25S | WKP35S | WSP45G | WXP40 | WSP45G | WXP40 | WKP25S | WKP35S | WNN15 | WNI5 | WSP45G |
| P2840S-N-A57  | 1-5    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2840S-N-E67  | 1-5    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2840S-N-E77  | 1-5    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2841S-N-A57  | 1-5    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2841S-N-E57  | 1-5    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2841S-N-E67  | 1-5    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2840S-2N-A57 | 2      | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2840S-2N-E67 | 2      | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2840S-2N-E77 | 2      | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2841S-2N-A57 | 2      | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2841S-2N-E57 | 2      | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2841S-2N-E67 | 2      | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2840S-3N-A57 | 3      | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2840S-3N-E67 | 3      | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2840S-3N-E77 | 3      | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2841S-3N-A57 | 3      | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2841S-3N-E57 | 3      | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2841S-3N-E67 | 3      | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |

HC = Coated carbide  
HW = Uncoated carbide

B1

## Сверла с пластинами

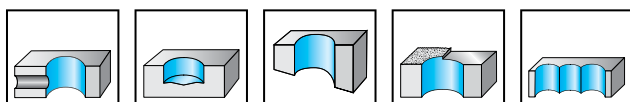
 D3120 

Drion-tec®



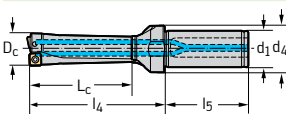
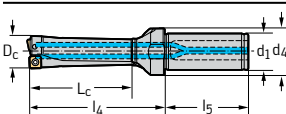
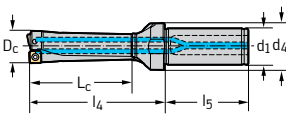
B1

|                  |     |
|------------------|-----|
| 3×D <sub>c</sub> | Z=1 |
|------------------|-----|



|       |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|
| D3120 | P | M | K | N | S | H | O |
|       | ● | ● | ● | ● | ● |   |   |

## Инструмент

|  | Обозначение           | D <sub>c</sub><br>mm | L <sub>c</sub><br>mm | l <sub>4</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>mm | d <sub>4</sub><br>mm | kg   | Кол-во<br>пластин | Тип             |
|--|-----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|------|-------------------|-----------------|
| <br>Cylindrical shank with flat   | D3120-03-16.00F25-P21 | 16                   | 48                   | 73                   | 56                   | 25                   | 32                   | 0,34 | 2                 | P284 . S-1N- .. |
|  | D3120-03-17.00F25-P21 | 17                   | 51                   | 76                   | 56                   | 25                   | 32                   | 0,32 | 2                 |                 |
|  | D3120-03-17.50F25-P21 | 17,5                 | 52,5                 | 77,5                 | 56                   | 25                   | 32                   | 0,32 | 2                 |                 |
|  | D3120-03-18.00F25-P21 | 18                   | 54                   | 79                   | 56                   | 25                   | 32                   | 0,33 | 2                 |                 |
|  | D3120-03-19.00F25-P21 | 19                   | 57                   | 82                   | 56                   | 25                   | 32                   | 0,34 | 2                 |                 |
|  | D3120-03-19.50F25-P21 | 19,5                 | 58,5                 | 83,5                 | 56                   | 25                   | 32                   | 0,39 | 2                 |                 |
|  | D3120-03-20.00F25-P21 | 20                   | 60                   | 85                   | 56                   | 25                   | 32                   | 0,36 | 2                 |                 |
|  | D3120-03-21.00F25-P22 | 21                   | 63                   | 88                   | 56                   | 25                   | 32                   | 0,36 | 2                 | P284 . S-2N- .. |
|  | D3120-03-22.00F25-P22 | 22                   | 66                   | 91                   | 56                   | 25                   | 32                   | 0,39 | 2                 |                 |
|  | D3120-03-23.00F25-P22 | 23                   | 69                   | 94                   | 56                   | 25                   | 32                   | 0,37 | 2                 |                 |
| <br>Cylindrical shank with flat | D3120-03-24.00F25-P22 | 24                   | 72                   | 97                   | 56                   | 25                   | 32                   | 0,42 | 2                 |                 |
|  | D3120-03-25.00F25-P22 | 25                   | 75                   | 100                  | 56                   | 25                   | 32                   | 0,46 | 2                 |                 |
|  | D3120-03-26.00F32-P23 | 26                   | 78                   | 110                  | 60                   | 32                   | 40                   | 0,71 | 2                 | P284 . S-3N- .. |
|  | D3120-03-26.50F32-P23 | 26,5                 | 79,5                 | 111,5                | 60                   | 32                   | 40                   | 0,69 | 2                 |                 |
|  | D3120-03-27.00F32-P23 | 27                   | 81                   | 113                  | 60                   | 32                   | 40                   | 0,74 | 2                 |                 |
|  | D3120-03-28.00F32-P23 | 28                   | 84                   | 116                  | 60                   | 32                   | 40                   | 0,73 | 2                 |                 |
|  | D3120-03-29.00F32-P23 | 29                   | 87                   | 119                  | 60                   | 32                   | 40                   | 0,76 | 2                 |                 |
| <br>Cylindrical shank with flat | D3120-03-29.50F32-P23 | 29,5                 | 88,5                 | 120,5                | 60                   | 32                   | 40                   | 0,78 | 2                 |                 |
|  | D3120-03-30.00F32-P23 | 30                   | 90                   | 122                  | 60                   | 32                   | 40                   | 0,79 | 2                 |                 |
|  | D3120-03-31.00F32-P24 | 31                   | 93                   | 125                  | 60                   | 32                   | 40                   | 0,78 | 2                 | P284 . S-4N- .. |
|  | D3120-03-32.00F32-P24 | 32                   | 96                   | 128                  | 60                   | 32                   | 40                   | 0,81 | 2                 |                 |
|  | D3120-03-33.00F32-P24 | 33                   | 99                   | 131                  | 60                   | 32                   | 40                   | 0,86 | 2                 |                 |
|  | D3120-03-34.00F32-P24 | 34                   | 102                  | 134                  | 60                   | 32                   | 40                   | 0,9  | 2                 |                 |
|  | D3120-03-35.00F32-P24 | 35                   | 105                  | 137                  | 60                   | 32                   | 40                   | 0,98 | 2                 |                 |
|  | D3120-03-36.00F32-P24 | 36                   | 108                  | 140                  | 60                   | 32                   | 40                   | 1,06 | 2                 |                 |

Корпус и сборочные детали входят в комплект поставки

WALTER SELECT

Жёсткость станка, закрепления инструмента и заготовки → очень хорошая = 😊 → хорошая = 😊 → средняя = 😊

### Сборочные детали

| D <sub>c</sub> [mm]             | 16–20                   | 21–25                 | 26–30                  | 31–36                  |
|---------------------------------|-------------------------|-----------------------|------------------------|------------------------|
| Винт пластины<br>Момент затяжки | FS1454 (T8IP)<br>1,2 Nm | FS1456 (T9IP)<br>2 Nm | FS2181 (T15IP)<br>3 Nm | FS2119 (T15IP)<br>3 Nm |

### Комплектующие

| D <sub>c</sub> [mm]                                | 16–20         | 21–25         | 26–36          |
|--|---------------|---------------|----------------|
| Втулка эксц., диап.рег. от -0,2 до +0,55 мм отн. Ø | FS722         | FS722         | FS723          |
| Динамометрический ключ, аналоговый                 | FS2001        | FS2003        | FS2003         |
| Динамометрический ключ, цифровой                   | FS2248        | FS2248        | FS2248         |
| Вставка  | FS2012 (T8IP) | FS2013 (T9IP) | FS2014 (T15IP) |
| Отвёртка   | FS1483 (T8IP) | FS1484 (T9IP) | FS1485 (T15IP) |

### Пластины

| Обозначение   | Размер | P      |        |        |       | M      |       | K      |        | N     |      | S      |
|---------------|--------|--------|--------|--------|-------|--------|-------|--------|--------|-------|------|--------|
|               |        | HC     |        |        |       | HC     |       | HC     |        | HC    | HW   | HC     |
|               |        | WKP25S | WKP35S | WSP45G | WXP40 | WSP45G | WXP40 | WKP25S | WKP35S | WNN15 | WN15 | WSP45G |
| P2840S-.N-A57 | 1-4    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2840S-.N-E67 | 1-4    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2840S-.N-E77 | 1-4    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2841S-.N-A57 | 1-4    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2841S-.N-E57 | 1-4    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2841S-.N-E67 | 1-4    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2840S-2N-A57 | 2      | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2840S-2N-E67 | 2      | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2840S-2N-E77 | 2      | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2841S-2N-A57 | 2      | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2841S-2N-E57 | 2      | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2841S-2N-E67 | 2      | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2840S-3N-A57 | 3      | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2840S-3N-E67 | 3      | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2840S-3N-E77 | 3      | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2841S-3N-A57 | 3      | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2841S-3N-E57 | 3      | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2841S-3N-E67 | 3      | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |

HC = Coated carbide  
HW = Uncoated carbide

## Сверла с пластинами

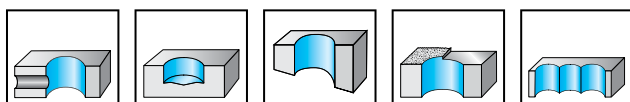
 D3120 

Drion-tec®



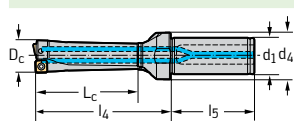
B1

|                  |       |
|------------------|-------|
| 3×D <sub>c</sub> | Z = 1 |
|------------------|-------|



|       |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|
| D3120 | P | M | K | N | S | H | O |
|       | ● | ● | ● | ● | ● |   |   |

## Инструмент



Cylindrical shank with flat

| Обозначение           | D <sub>c</sub><br>mm | L <sub>c</sub><br>mm | l <sub>4</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>mm | d <sub>4</sub><br>mm | kg   | Кол-во<br>пластин | Тип             |
|-----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|------|-------------------|-----------------|
| D3120-03-37.00F40-P25 | 37                   | 111                  | 151                  | 70                   | 40                   | 50                   | 1,43 | 2                 | P284 . S-5N- .. |
| D3120-03-37.50F40-P25 | 37,5                 | 112,5                | 152,5                | 70                   | 40                   | 50                   | 1,46 | 2                 |                 |
| D3120-03-38.00F40-P25 | 38                   | 114                  | 154                  | 70                   | 40                   | 50                   | 1,49 | 2                 |                 |
| D3120-03-39.00F40-P25 | 39                   | 117                  | 157                  | 70                   | 40                   | 50                   | 1,64 | 2                 |                 |
| D3120-03-40.00F40-P25 | 40                   | 120                  | 160                  | 70                   | 40                   | 50                   | 1,6  | 2                 |                 |
| D3120-03-40.50F40-P25 | 40,5                 | 121,5                | 161,5                | 70                   | 40                   | 50                   | 1,64 | 2                 |                 |
| D3120-03-41.00F40-P25 | 41                   | 123                  | 163                  | 70                   | 40                   | 50                   | 1,67 | 2                 | P284 . S-6N- .. |
| D3120-03-42.00F40-P25 | 42                   | 126                  | 166                  | 70                   | 40                   | 50                   | 1,83 | 2                 |                 |
| D3120-03-43.00F40-P26 | 43                   | 129                  | 169                  | 70                   | 40                   | 50                   | 1,74 | 2                 |                 |
| D3120-03-44.00F40-P26 | 44                   | 132                  | 172                  | 70                   | 40                   | 50                   | 1,81 | 2                 |                 |
| D3120-03-45.00F40-P26 | 45                   | 135                  | 175                  | 70                   | 40                   | 50                   | 1,89 | 2                 |                 |
| D3120-03-46.00F40-P26 | 46                   | 138                  | 178                  | 70                   | 40                   | 50                   | 1,98 | 2                 |                 |
| D3120-03-47.00F40-P26 | 47                   | 141                  | 181                  | 70                   | 40                   | 50                   | 2,05 | 2                 |                 |
| D3120-03-48.00F40-P26 | 48                   | 144                  | 184                  | 70                   | 40                   | 50                   | 2,14 | 2                 |                 |
| D3120-03-49.00F40-P26 | 49                   | 147                  | 187                  | 70                   | 40                   | 50                   | 2,23 | 2                 |                 |
| D3120-03-50.00F40-P26 | 50                   | 150                  | 190                  | 70                   | 40                   | 50                   | 2,33 | 2                 |                 |

Корпус и сборочные детали входят в комплект поставки

## Сборочные детали

|  | D <sub>c</sub> [mm]             | 37–42                  | 43–50                  |
|--|---------------------------------|------------------------|------------------------|
|  | Винт пластины<br>Момент затяжки | FS2139 (T20IP)<br>5 Nm | FS2281 (T20IP)<br>5 Nm |

## Комплектующие

|  | D <sub>c</sub> [mm]                                | 37–50          |
|--|--|----------------|
|  | Втулка эксц., диап.рег. от -0,2 до +0,55 мм отн. Ø | FS724          |
|  | Динамометрический ключ, аналоговый                 | FS2003         |
|  | Динамометрический ключ, цифровой                   | FS2248         |
|  | Вставка  | FS2015 (T20IP) |
|  | Отвёртка   | FS1486 (T20IP) |

## Пластины

| Обозначение   | Размер | P      |        | M      |       | K      |       | N      |        | S     |      |        |
|---------------|--------|--------|--------|--------|-------|--------|-------|--------|--------|-------|------|--------|
|               |        | HC     | HC     | HC     | HC    | HC     | HW    | HC     |        |       |      |        |
|               |        | WKP25S | WKP35S | WSP45G | WXP40 | WSP45G | WXP40 | WKP25S | WKP35S | WNN15 | WN15 | WSP45G |
| P2840S-.N-A57 | 5-6    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2840S-.N-E67 | 5-6    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2840S-.N-E77 | 5-6    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2841S-.N-A57 | 5-6    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2841S-.N-E57 | 5-6    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2841S-.N-E67 | 5-6    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |

HC = Coated carbide  
HW = Uncoated carbide

## Сверла с пластинами

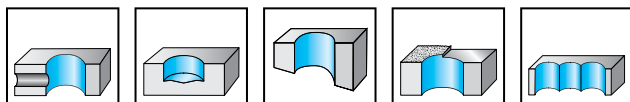
 D3120 

Drion-tec®



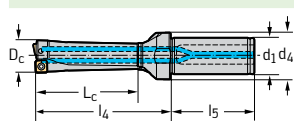
B1

|                  |       |
|------------------|-------|
| 3×D <sub>c</sub> | Z = 1 |
|------------------|-------|



|       |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|
|       | P | M | K | N | S | H | O |
| D3120 | ● | ● | ● | ● | ● |   |   |

## Инструмент



Cylindrical shank with flat

| Обозначение           | D <sub>c</sub><br>mm | L <sub>c</sub><br>mm | l <sub>4</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>mm | d <sub>4</sub><br>mm | kg   | Кол-во<br>пластин | Тип             |
|-----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|------|-------------------|-----------------|
| D3120-03-50.50F40-P27 | 50,5                 | 151,5                | 191,5                | 70                   | 40                   | 50                   | 2,29 | 2                 | P284 . S-7N- .. |
| D3120-03-51.00F40-P27 | 51                   | 153                  | 193                  | 70                   | 40                   | 50                   | 2,34 | 2                 |                 |
| D3120-03-52.00F40-P27 | 52                   | 156                  | 196                  | 70                   | 40                   | 50                   | 2,44 | 2                 |                 |
| D3120-03-53.00F40-P27 | 53                   | 159                  | 199                  | 70                   | 40                   | 50                   | 2,55 | 2                 |                 |
| D3120-03-54.00F40-P27 | 54                   | 162                  | 202                  | 70                   | 40                   | 50                   | 2,67 | 2                 |                 |
| D3120-03-54.50F40-P27 | 54,5                 | 163,5                | 203,5                | 70                   | 40                   | 50                   | 2,73 | 2                 |                 |
| D3120-03-55.00F40-P27 | 55                   | 165                  | 205                  | 70                   | 40                   | 50                   | 2,79 | 2                 |                 |
| D3120-03-56.00F40-P27 | 56                   | 168                  | 208                  | 70                   | 40                   | 50                   | 2,91 | 2                 |                 |
| D3120-03-57.00F40-P27 | 57                   | 171                  | 211                  | 70                   | 40                   | 50                   | 3,04 | 2                 |                 |
| D3120-03-58.00F40-P27 | 58                   | 174                  | 214                  | 70                   | 40                   | 50                   | 3,17 | 2                 |                 |

Корпус и сборочные детали входят в комплект поставки



### Сборочные детали

|  |  |                                   |
|--|--|-----------------------------------|
|  | D <sub>c</sub> [mm]<br>Винт пластины<br>Момент затяжки | 50,5–58<br>FS2281 (T20IP)<br>5 Nm |
|--|--|-----------------------------------|

### Комплектующие

|  |   |                  |
|--|---|------------------|
|  | D <sub>c</sub> [mm]<br>Втулка эксц., диап.рег. от -0,2 до +0,55 мм отн. Ø | 50,5–58<br>FS724 |
|  | Динамометрический ключ, аналоговый  | FS2003           |
|  | Динамометрический ключ, цифровой  | FS2248           |
|  | Вставка   | FS2015 (T20IP)   |
|  | Отвёртка  | FS1486 (T20IP)   |

### Пластины

| Обозначение  | Размер | P      |        | M      |       | K      |       | N      |        | S     |      |        |
|--------------|--------|--------|--------|--------|-------|--------|-------|--------|--------|-------|------|--------|
|              |        | HC     | HC     | HC     | HC    | HC     | HW    | HC     |        |       |      |        |
|              |        | WKP25S | WKP35S | WSP45G | WXP40 | WSP45G | WXP40 | WKP25S | WKP35S | WNN15 | WN15 | WSP45G |
| P2840S-N-A57 | 7      | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2840S-N-E67 | 7      | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2840S-N-E77 | 7      | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2841S-N-A57 | 7      | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2841S-N-E57 | 7      | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2841S-N-E67 | 7      | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |

HC = Coated carbide  
HW = Uncoated carbide

## Сверла с пластинами

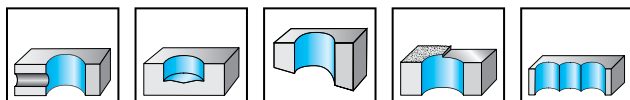
 D3120 inch

Drion-tec®



B1

|                  |       |
|------------------|-------|
| 3×D <sub>c</sub> | Z = 1 |
|------------------|-------|



|       |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|
| D3120 | P | M | K | N | S | H | O |
|       | ● | ● | ● | ● | ● |   |   |

| Инструмент                         | Обозначение           | D <sub>c</sub><br>inch | L <sub>c</sub><br>inch | l <sub>4</sub><br>inch | l <sub>5</sub><br>inch | d <sub>1</sub><br>inch | d <sub>4</sub><br>inch | lbs   | Кол-во<br>пластин | Тип             |
|------------------------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------|-------------------|-----------------|
| <p>Cylindrical shank with flat</p> | D3120.03-19.05F26-P21 | 0,750                  | 2,252                  | 3,256                  | 2,281                  | 1,000                  | 1,378                  | 0,825 | 2                 | P284 . S-1N- .. |
|                                    | D3120.03-22.23F26-P22 | 0,875                  | 2,626                  | 3,630                  | 2,281                  | 1,000                  | 1,378                  | 0,902 | 2                 | P284 . S-2N- .. |
|                                    | D3120.03-25.40F26-P22 | 1,000                  | 3,000                  | 4,004                  | 2,281                  | 1,000                  | 1,378                  | 1,054 | 2                 | P284 . S-3N- .. |
| <p>Cylindrical shank with flat</p> | D3120.03-28.58F31-P23 | 1,125                  | 3,378                  | 4,634                  | 2,281                  | 1,250                  | 1,622                  | 1,618 | 2                 | P284 . S-3N- .. |
|                                    | D3120.03-31.75F31-P24 | 1,250                  | 3,752                  | 5,008                  | 2,281                  | 1,250                  | 1,622                  | 1,75  | 2                 | P284 . S-4N- .. |
| <p>Cylindrical shank with flat</p> | D3120.03-34.93F31-P24 | 1,375                  | 4,126                  | 5,382                  | 2,281                  | 1,250                  | 1,622                  | 2,055 | 2                 | P284 . S-4N- .. |
|                                    | D3120.03-38.10F38-P25 | 1,500                  | 4,500                  | 6,075                  | 2,688                  | 1,500                  | 1,929                  | 3,100 | 2                 | P284 . S-5N- .. |

Корпус и сборочные детали входят в комплект поставки

### Сборочные детали

| D <sub>c</sub> [inch]           | 0,75                       | 0,875-1                    | 1,125                       | 1,25-1,375                  | 1,5                         |
|---------------------------------|----------------------------|----------------------------|-----------------------------|-----------------------------|-----------------------------|
| Винт пластины<br>Момент затяжки | FS1454 (T8IP)<br>0,885 lbs | FS1456 (T9IP)<br>1,475 lbs | FS2181 (T15IP)<br>2,213 lbs | FS2119 (T15IP)<br>2,213 lbs | FS2139 (T20IP)<br>3,688 lbs |

### Комплектующие

| D <sub>c</sub> [inch]              | 0,75          | 0,875-1       | 1,125-1,375    | 1,5            |
|------------------------------------|---------------|---------------|----------------|----------------|
| Динамометрический ключ, аналоговый | FS2002        | FS2004        | FS2004         | FS2004         |
| Динамометрический ключ, цифровой   | FS2248        | FS2248        | FS2248         | FS2248         |
| Вставка                            | FS2012 (T8IP) | FS2013 (T9IP) | FS2014 (T15IP) | FS2015 (T20IP) |
| Отвёртка                           | FS1483 (T8IP) | FS1484 (T9IP) | FS1485 (T15IP) | FS1486 (T20IP) |

### Пластины

| Обозначение   | Размер | P      |        |        |       | M      |       | K      |        | N     |      | S      |
|---------------|--------|--------|--------|--------|-------|--------|-------|--------|--------|-------|------|--------|
|               |        | HC     |        |        |       | HC     |       | HC     |        | HC    | HW   | HC     |
|               |        | WKP25S | WKP35S | WSP45G | WXP40 | WSP45G | WXP40 | WKP25S | WKP35S | WNN15 | WN15 | WSP45G |
| P2840S-N-A57  | 0-0.2  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2840S-N-E67  | 0-0.2  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2840S-N-E77  | 0-0.2  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2841S-N-A57  | 0-0.2  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2841S-N-E57  | 0-0.2  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2841S-N-E67  | 0-0.2  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2840S-2N-A57 | 0.1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2840S-2N-E67 | 0.1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2840S-2N-E77 | 0.1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2841S-2N-A57 | 0.1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2841S-2N-E57 | 0.1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2841S-2N-E67 | 0.1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2840S-3N-A57 | 0.1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2840S-3N-E67 | 0.1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2840S-3N-E77 | 0.1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2841S-3N-A57 | 0.1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2841S-3N-E57 | 0.1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2841S-3N-E67 | 0.1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |

HC = Coated carbide  
HW = Uncoated carbide

B1

## Сверла с пластинами

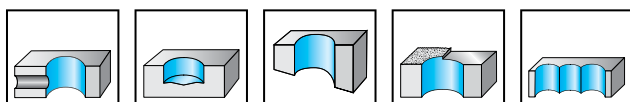
 D3120 

Drion-tec®



B1

|                  |       |
|------------------|-------|
| 4×D <sub>c</sub> | Z = 1 |
|------------------|-------|



|       |    |   |    |    |   |   |   |
|-------|----|---|----|----|---|---|---|
| D3120 | P  | M | K  | N  | S | H | O |
|       | ●● | ● | ●● | ●● | ● |   |   |

## Инструмент

| Обозначение                     | D <sub>c</sub><br>mm  | L <sub>c</sub><br>mm | l <sub>4</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>mm | d <sub>4</sub><br>mm | kg   | Кол-во<br>пластин | Тип             |
|---------------------------------|-----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|------|-------------------|-----------------|
| <br>Cylindrical shank with flat | D3120-04-16.00F25-P21 | 16                   | 64                   | 89                   | 56                   | 25                   | 0,35 | 2                 | P284 . S-1N- .. |
|                                 | D3120-04-17.00F25-P21 | 17                   | 68                   | 93                   | 56                   | 25                   | 0,33 | 2                 |                 |
|                                 | D3120-04-18.00F25-P21 | 18                   | 72                   | 97                   | 56                   | 25                   | 0,35 | 2                 |                 |
|                                 | D3120-04-19.00F25-P21 | 19                   | 76                   | 101                  | 56                   | 25                   | 0,36 | 2                 |                 |
|                                 | D3120-04-20.00F25-P21 | 20                   | 80                   | 105                  | 56                   | 25                   | 0,38 | 2                 |                 |
| <br>Cylindrical shank with flat | D3120-04-21.00F25-P22 | 21                   | 84                   | 109                  | 56                   | 25                   | 0,38 | 2                 | P284 . S-2N- .. |
|                                 | D3120-04-22.00F25-P22 | 22                   | 88                   | 113                  | 56                   | 25                   | 0,43 | 2                 |                 |
|                                 | D3120-04-23.00F25-P22 | 23                   | 92                   | 117                  | 56                   | 25                   | 0,43 | 2                 |                 |
|                                 | D3120-04-24.00F25-P22 | 24                   | 96                   | 121                  | 56                   | 25                   | 0,48 | 2                 |                 |
|                                 | D3120-04-25.00F25-P22 | 25                   | 100                  | 125                  | 56                   | 25                   | 0,51 | 2                 |                 |
| <br>Cylindrical shank with flat | D3120-04-26.00F32-P23 | 26                   | 104                  | 136                  | 60                   | 32                   | 0,72 | 2                 | P284 . S-3N- .. |
|                                 | D3120-04-27.00F32-P23 | 27                   | 108                  | 140                  | 60                   | 32                   | 0,76 | 2                 |                 |
|                                 | D3120-04-28.00F32-P23 | 28                   | 112                  | 144                  | 60                   | 32                   | 0,8  | 2                 |                 |
|                                 | D3120-04-29.00F32-P23 | 29                   | 116                  | 148                  | 60                   | 32                   | 0,84 | 2                 |                 |
|                                 | D3120-04-30.00F32-P23 | 30                   | 120                  | 152                  | 60                   | 32                   | 0,88 | 2                 |                 |
| <br>Cylindrical shank with flat | D3120-04-31.00F32-P24 | 31                   | 124                  | 156                  | 60                   | 32                   | 0,86 | 2                 | P284 . S-4N- .. |
|                                 | D3120-04-32.00F32-P24 | 32                   | 128                  | 160                  | 60                   | 32                   | 0,91 | 2                 |                 |
|                                 | D3120-04-33.00F32-P24 | 33                   | 132                  | 164                  | 60                   | 32                   | 0,96 | 2                 |                 |
|                                 | D3120-04-34.00F32-P24 | 34                   | 136                  | 168                  | 60                   | 32                   | 1,08 | 2                 |                 |
|                                 | D3120-04-35.00F32-P24 | 35                   | 140                  | 172                  | 60                   | 32                   | 1,08 | 2                 |                 |
| <br>Cylindrical shank with flat | D3120-04-36.00F32-P24 | 36                   | 144                  | 176                  | 60                   | 32                   | 1,15 | 2                 | P284 . S-5N- .. |
|                                 | D3120-04-37.00F40-P25 | 37                   | 148                  | 188                  | 70                   | 40                   | 1,59 | 2                 |                 |
|                                 | D3120-04-38.00F40-P25 | 38                   | 152                  | 192                  | 70                   | 40                   | 1,66 | 2                 |                 |
|                                 | D3120-04-39.00F40-P25 | 39                   | 156                  | 196                  | 70                   | 40                   | 1,74 | 2                 |                 |
|                                 | D3120-04-40.00F40-P25 | 40                   | 160                  | 200                  | 70                   | 40                   | 1,89 | 2                 |                 |
|                                 | D3120-04-41.00F40-P25 | 41                   | 164                  | 204                  | 70                   | 40                   | 1,9  | 2                 |                 |
|                                 | D3120-04-42.00F40-P25 | 42                   | 168                  | 208                  | 70                   | 40                   | 1,99 | 2                 |                 |

Корпус и сборочные детали входят в комплект поставки

WALTER SELECT

Жёсткость станка, закрепления инструмента и заготовки → очень хорошая = 😊 → хорошая = 😊 → средняя = 😊

### Сборочные детали

| D <sub>c</sub> [mm]             | 16–20                   | 21–25                 | 26–30                  | 31–36                  | 37–42                  |
|---------------------------------|-------------------------|-----------------------|------------------------|------------------------|------------------------|
| Винт пластины<br>Момент затяжки | FS1454 (T8IP)<br>1,2 Nm | FS1456 (T9IP)<br>2 Nm | FS2181 (T15IP)<br>3 Nm | FS2119 (T15IP)<br>3 Nm | FS2139 (T20IP)<br>5 Nm |

### Комплектующие

| D <sub>c</sub> [mm]                                | 16–20         | 21–25         | 26–36          | 37–42          |
|--|---------------|---------------|----------------|----------------|
| Втулка эксц., диап.рег. от -0,2 до +0,55 мм отн. Ø | FS722         | FS722         | FS723          | FS724          |
| Динамометрический ключ, аналоговый                 | FS2001        | FS2003        | FS2003         | FS2003         |
| Динамометрический ключ, цифровой                   | FS2248        | FS2248        | FS2248         | FS2248         |
| Вставка  | FS2012 (T8IP) | FS2013 (T9IP) | FS2014 (T15IP) | FS2015 (T20IP) |
| Отвёртка   | FS1483 (T8IP) | FS1484 (T9IP) | FS1485 (T15IP) | FS1486 (T20IP) |

### Пластины

| Обозначение   | Размер | P      |        | M      |       | K      |       | N      |        | S     |      |        |
|---------------|--------|--------|--------|--------|-------|--------|-------|--------|--------|-------|------|--------|
|               |        | HC     | HC     | HC     | HC    | HC     | HW    | HC     |        |       |      |        |
|               |        | WKP25S | WKP35S | WSP45G | WXP40 | WSP45G | WXP40 | WKP25S | WKP35S | WNN15 | WN15 | WSP45G |
| P2840S-N-A57  | 1-5    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2840S-N-E67  | 1-5    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2840S-N-E77  | 1-5    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2841S-N-A57  | 1-5    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2841S-N-E57  | 1-5    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2841S-N-E67  | 1-5    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2840S-2N-A57 | 2      | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2840S-2N-E67 | 2      | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2840S-2N-E77 | 2      | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2841S-2N-A57 | 2      | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2841S-2N-E57 | 2      | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2841S-2N-E67 | 2      | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2840S-3N-A57 | 3      | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2840S-3N-E67 | 3      | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2840S-3N-E77 | 3      | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2841S-3N-A57 | 3      | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2841S-3N-E57 | 3      | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| P2841S-3N-E67 | 3      | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |

HC = Coated carbide  
HW = Uncoated carbide

B1

## Сверла с пластинами

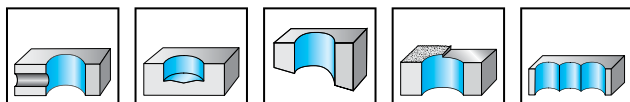
 D3120 inch

Drion-tec®



B1

|                  |       |
|------------------|-------|
| 4×D <sub>c</sub> | Z = 1 |
|------------------|-------|



|       |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|
| D3120 | P | M | K | N | S | H | O |
|       | ● | ● | ● | ● | ● |   |   |

## Инструмент

| Обозначение  | D <sub>c</sub><br>inch | L <sub>c</sub><br>inch | l <sub>4</sub><br>inch | l <sub>5</sub><br>inch | d <sub>1</sub><br>inch | d <sub>4</sub><br>inch | lbs   | Кол-во<br>пластин | Тип             |
|--|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------|-------------------|-----------------|
| <br>D3120.04-19.05F26-P21<br>Cylindrical shank with flat | 0,750                  | 3,000                  | 4,004                  | 2,281                  | 1,000                  | 1,378                  | 0,869 | 2                 | P284 . S-1N- .. |
| <br>D3120.04-25.40F26-P22<br>Cylindrical shank with flat | 1,000                  | 4,000                  | 5,004                  | 2,281                  | 1,000                  | 1,378                  | 1,168 | 2                 | P284 . S-2N- .. |
| <br>D3120.04-31.75F31-P24<br>Cylindrical shank with flat | 1,250                  | 5,000                  | 6,256                  | 2,281                  | 1,250                  | 1,622                  | 1,953 | 2                 | P284 . S-4N- .. |
| <br>D3120.04-38.10F38-P25<br>Cylindrical shank with flat | 1,500                  | 6,000                  | 7,626                  | 2,688                  | 1,500                  | 1,929                  | 3,503 | 2                 | P284 . S-5N- .. |

Корпус и сборочные детали входят в комплект поставки

### Сборочные детали

| D <sub>c</sub> [inch]           | 0,75                       | 1                          | 1,25                        | 1,5                         |
|---------------------------------|----------------------------|----------------------------|-----------------------------|-----------------------------|
| Винт пластины<br>Момент затяжки | FS1454 (T8IP)<br>0,885 lbs | FS1456 (T9IP)<br>1,475 lbs | FS2119 (T15IP)<br>2,213 lbs | FS2139 (T20IP)<br>3,688 lbs |

### Комплектующие

| D <sub>c</sub> [inch]              | 0,75          | 1             | 1,25           | 1,5            |
|------------------------------------|---------------|---------------|----------------|----------------|
| Динамометрический ключ, аналоговый | FS2002        | FS2004        | FS2004         | FS2004         |
| Динамометрический ключ, цифровой   | FS2248        | FS2248        | FS2248         | FS2248         |
| Вставка                            | FS2012 (T8IP) | FS2013 (T9IP) | FS2014 (T15IP) | FS2015 (T20IP) |
| Отвёртка                           | FS1483 (T8IP) | FS1484 (T9IP) | FS1485 (T15IP) | FS1486 (T20IP) |

### Пластины

| Обозначение   | Размер | P      |        |        |       | M      |       | K      |        | N     |       | S      |
|---------------|--------|--------|--------|--------|-------|--------|-------|--------|--------|-------|-------|--------|
|               |        | HC     |        |        |       | HC     |       | HC     |        | HC    | HW    | HC     |
|               |        | WKP25S | WKP35S | WSP45G | WXP40 | WSP45G | WXP40 | WKP25S | WKP35S | WNN15 | WNI15 | WSP45G |
| P2840S-.N-A57 | 0-0,2  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      |        |       | ☺     |        |
| P2840S-.N-E67 | 0-0,2  |        | ☺      | ☺      | ☺     |        |       |        |        |       | ☺     |        |
| P2840S-.N-E77 | 0-0,2  |        |        |        |       |        |       |        |        | ☺     | ☺     |        |
| P2841S-.N-A57 | 0-0,2  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      |        |       | ☺     |        |
| P2841S-.N-E57 | 0-0,2  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      |        |       | ☺     |        |
| P2841S-.N-E67 | 0-0,2  |        | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      |        |       | ☺     |        |
| P2840S-2N-A57 | 0,1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      |        |       | ☺     |        |
| P2840S-2N-E67 | 0,1    |        | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      |        |       | ☺     |        |
| P2840S-2N-E77 | 0,1    |        |        |        |       |        |       |        | ☺      | ☺     |       |        |
| P2841S-2N-A57 | 0,1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      |        |       | ☺     |        |
| P2841S-2N-E57 | 0,1    | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      |        |       | ☺     |        |
| P2841S-2N-E67 | 0,1    |        | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      |        |       | ☺     |        |

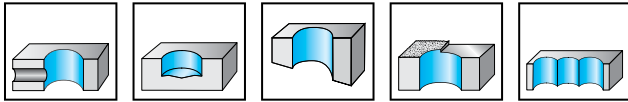
HC = Coated carbide  
HW = Uncoated carbide

B1

## Свёрла

 B3212 mm

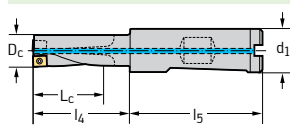

B1



|                |                |         |
|----------------|----------------|---------|
| $D_c$<br>10-18 | $2 \times D_c$ | $Z = 1$ |
|----------------|----------------|---------|

|       |    |    |    |    |    |   |   |
|-------|----|----|----|----|----|---|---|
|       | P  | M  | K  | N  | S  | H | O |
| B3212 | ●● | ●● | ●● | ●● | ●● |   |   |

## Инструмент



DIN 6535 HE, turned 180° DIN 6535 HB

| Обозначение           | $D_c$<br>mm | $L_c$<br>mm | $l_4$<br>mm | $l_5$<br>mm | $d_1$<br>mm | kg   | Кол-во<br>пластин | Тип               |
|-----------------------|-------------|-------------|-------------|-------------|-------------|------|-------------------|-------------------|
| B3212.DF.10.0.Z01.20R | 10          | 20          | 31          | 48          | 16          | 0,09 | 1 / 1             | LCMX050203-<br>.. |
| B3212.DF.10.2.Z01.20R | 10,2        | 20,4        | 31          | 48          | 16          | 0,09 | 1 / 1             | LCMX050203-<br>.. |
| B3212.DF.10.5.Z01.21R | 10,5        | 21          | 32          | 48          | 16          | 0,09 | 1 / 1             | ..                |
| B3212.DF.11.0.Z01.22R | 11          | 22          | 34          | 48          | 16          | 0,09 | 1 / 1             | ..                |
| B3212.DF.11.5.Z01.23R | 11,5        | 23          | 35          | 48          | 16          | 0,09 | 1 / 1             | ..                |
| B3212.DF.11.7.Z01.23R | 11,7        | 23,4        | 35          | 48          | 16          | 0,09 | 1 / 1             | ..                |
| B3212.DF.12.0.Z01.24R | 12          | 24          | 36          | 48          | 16          | 0,1  | 1 / 1             | ..                |
| B3212.DF.12.5.Z01.25R | 12,5        | 25          | 38          | 48          | 16          | 0,1  | 1 / 1             | ..                |
| B3212.DF.13.0.Z01.26R | 13          | 26          | 39          | 48          | 16          | 0,1  | 1 / 1             | ..                |
| B3212.DF.13.5.Z01.27R | 13,5        | 27          | 40          | 48          | 16          | 0,1  | 1 / 1             | ..                |
| B3212.DF.13.7.Z01.27R | 13,7        | 27,4        | 41          | 48          | 16          | 0,1  | 1 / 1             | ..                |
| B3212.DF.14.0.Z01.28R | 14          | 28          | 42          | 48          | 16          | 0,1  | 1 / 1             | LCMX06T204- ..    |
| B3212.DF.14.5.Z01.29R | 14,5        | 29          | 43          | 48          | 16          | 0,11 | 1 / 1             | LCMX06T204- ..    |
| B3212.DF.15.0.Z01.30R | 15          | 30          | 44          | 48          | 16          | 0,11 | 1 / 1             | ..                |
| B3212.DF.15.5.Z01.31R | 15,5        | 31          | 45          | 48          | 16          | 0,11 | 1 / 1             | ..                |
| B3212.DF.15.7.Z01.31R | 15,7        | 31,4        | 46          | 48          | 16          | 0,11 | 1 / 1             | ..                |
| B3212.DF.16.0.Z01.32R | 16          | 32          | 47          | 48          | 16          | 0,11 | 1 / 1             | ..                |
| B3212.DF.16.5.Z01.33R | 16,5        | 33          | 48          | 48          | 16          | 0,12 | 1 / 1             | ..                |
| B3212.DF.17.0.Z01.34R | 17          | 34          | 49          | 48          | 16          | 0,12 | 1 / 1             | ..                |
| B3212.DF.17.5.Z01.35R | 17,5        | 35          | 51          | 48          | 16          | 0,13 | 1 / 1             | ..                |
| B3212.DF.18.0.Z01.36R | 18          | 36          | 52          | 48          | 16          | 0,13 | 1 / 1             | ..                |

Возможно перемещение сверла в радиальном направлении на величину X для обработки отверстия большего диаметра, чем номинальный диаметр сверла: | X = +0,2 мм/-0,1 мм → ΔD = +0,4 мм/-0,2 мм | Внимание: при обработке сквозных отверстий вращающимся сверлом на выходе образуется диск, который может вылететь с большой скоростью и нанести травмы и повреждения. Чтобы этого не произошло, примите меры предосторожности. | Корпус и сборочные детали входят в комплект поставки



### Сборочные детали

| D <sub>c</sub> [mm]             | 10–13,7               | 14–15,7               | 16–18                 |
|---------------------------------|-----------------------|-----------------------|-----------------------|
| Винт пластины<br>Момент затяжки | FS1012 (T6)<br>0,4 Nm | FS1004 (T7)<br>0,6 Nm | FS1020 (T7)<br>0,6 Nm |

### Комплектующие

| D <sub>c</sub> [mm]                | 10–13,7       | 14–18         |
|------------------------------------|---------------|---------------|
| Эксцентриковая втулка              | FS1207        | FS1207        |
| Отвёртка                           | FS1063 (T6)   | FS309 (T7)    |
| Винт патрона                       | FS1209 (SW 8) | FS1209 (SW 8) |
| Динамометрический ключ, аналоговый | FS2001        | FS2001        |
| Вставка                            | FS2005 (T6)   | FS2006 (T7)   |

### Пластины

| Обозначение    | l<br>mm | l <sub>2</sub><br>mm | P      |        | M      |       | K      |       | N      |        | S     |
|----------------|---------|----------------------|--------|--------|--------|-------|--------|-------|--------|--------|-------|
|                |         |                      | HC     |        | HC     |       | HC     |       | HC     | HW     | HC    |
|                |         |                      | WKP25S | WKP35S | WSP45G | WXP40 | WSP45G | WXP40 | WKP25S | WKP35S | WNN15 |
| LCGX050203-E77 | 4       | 5,2                  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |
| LCMX050203-B57 | 4       | 5,2                  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |
| LCMX050203-D57 | 4       | 5,2                  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |
| LCMX050203-E57 | 4       | 5,2                  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |
| LCGX06T204-E77 | 5,2     | 6,6                  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |
| LCMX06T204-B57 | 5,2     | 6,6                  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |
| LCMX06T204-D57 | 5,2     | 6,6                  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |
| LCMX06T204-E57 | 5,2     | 6,6                  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     |

HC = Coated carbide  
HW = Uncoated carbide

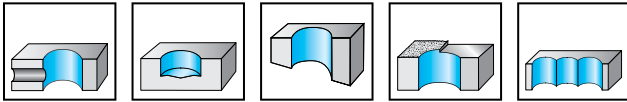
## Свёрла

 B3212 inch


B1

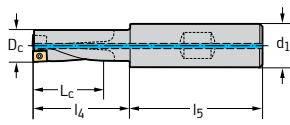
 2×D<sub>c</sub>

Z = 1



|       |    |    |    |    |    |    |    |
|-------|----|----|----|----|----|----|----|
|       | P  | M  | K  | N  | S  | H  | O  |
| B3212 | ●● | ●● | ●● | ●● | ●● | ●● | ●● |

## Инструмент



Cylindrical shank with flat

| Обозначение            | D <sub>c</sub><br>inch | L <sub>c</sub><br>inch | l <sub>4</sub><br>inch | l <sub>5</sub><br>inch | d <sub>1</sub><br>inch | lbs   | Кол-во<br>пластин | Тип               |
|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------|-------------------|-------------------|
| B3212.U3F.0099.Z01.20R | 0,391                  | 0,782                  | 1,229                  | 1,969                  | 0,750                  | 0,284 | 1 / 1             | LCMX050203-<br>.. |
| B3212.U3F.0103.Z01.21R | 0,406                  | 0,812                  | 1,275                  | 1,969                  | 0,750                  | 0,287 | 1 / 1             | LCMX050203-<br>.. |
| B3212.U3F.0107.Z01.21R | 0,421                  | 0,842                  | 1,321                  | 1,969                  | 0,750                  | 0,326 | 1 / 1             | ..                |
| B3212.U3F.0111.Z01.22R | 0,437                  | 0,874                  | 1,370                  | 1,969                  | 0,750                  | 0,295 | 1 / 1             | ..                |
| B3212.U3F.0115.Z01.23R | 0,453                  | 0,906                  | 1,420                  | 1,969                  | 0,750                  | 0,293 | 1 / 1             |                   |
| B3212.U3F.0119.Z01.24R | 0,469                  | 0,938                  | 1,469                  | 1,969                  | 0,750                  | 0,304 | 1 / 1             |                   |
| B3212.U3F.0123.Z01.25R | 0,484                  | 0,968                  | 1,516                  | 1,969                  | 0,750                  | 0,306 | 1 / 1             |                   |
| B3212.U3F.0127.Z01.25R | 0,500                  | 1,000                  | 1,565                  | 1,969                  | 0,750                  | 0,452 | 1 / 1             |                   |
| B3212.U3F.0131.Z01.26R | 0,515                  | 1,030                  | 1,612                  | 1,969                  | 0,750                  | 0,333 | 1 / 1             |                   |
| B3212.U3F.0135.Z01.27R | 0,531                  | 1,062                  | 1,661                  | 1,969                  | 0,750                  | 0,439 | 1 / 1             |                   |
| B3212.U3F.0139.Z01.28R | 0,547                  | 1,094                  | 1,722                  | 1,969                  | 0,750                  | 0,320 | 1 / 1             | LCMX06T204- ..    |
| B3212.U3F.0143.Z01.29R | 0,562                  | 1,124                  | 1,768                  | 1,969                  | 0,750                  | 0,324 | 1 / 1             | LCMX06T204- ..    |
| B3212.U3F.0155.Z01.31R | 0,609                  | 1,218                  | 1,914                  | 1,969                  | 0,750                  | 0,337 | 1 / 1             |                   |
| B3212.U3F.0159.Z01.32R | 0,625                  | 1,250                  | 1,963                  | 1,969                  | 0,750                  | 0,448 | 1 / 1             |                   |

Корпус и сборочные детали входят в комплект поставки

| Сборочные детали      |                                 |                          |                          |
|-----------------------|---------------------------------|--------------------------|--------------------------|
| D <sub>c</sub> [inch] |                                 | 0,391–0,531              | 0,547–0,625              |
|                       | Винт пластины<br>Момент затяжки | FS1012 (T6)<br>0,295 lbs | FS1004 (T7)<br>0,443 lbs |

| Комплектующие         |                                    |             |             |
|-----------------------|------------------------------------|-------------|-------------|
| D <sub>c</sub> [inch] |                                    | 0,391–0,531 | 0,547–0,625 |
|                       | Отвёртка                           | FS1063 (T6) | FS309 (T7)  |
|                       | Динамометрический ключ, аналоговый | FS2002      | FS2002      |
|                       | Вставка                            | FS2005 (T6) | FS2006 (T7) |

### Пластины

| Обозначение | l<br>inch      | l <sub>2</sub><br>inch | P      |        | M      |       | K      |       | N      |        | S     |
|-------------|----------------|------------------------|--------|--------|--------|-------|--------|-------|--------|--------|-------|
|             |                |                        | HC     |        | HC     |       | HC     |       | HC     | HW     | HC    |
|             |                |                        | WKP25S | WKP35S | WSP45G | WXP40 | WSP45G | WXP40 | WKP25S | WKP35S | WNN15 |
|             | LCGX050203-E77 | 0,157                  | 0,205  |        |        |       |        |       |        |        |       |
|             | LCMX050203-B57 | 0,157                  | 0,205  | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      |        | ☺     |
|             | LCMX050203-D57 | 0,157                  | 0,205  | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      |        | ☺     |
|             | LCMX050203-E57 | 0,157                  | 0,205  | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      |        | ☺     |
|             | LCGX06T204-E77 | 0,205                  | 0,260  |        |        |       |        |       | ☺      | ☺      |       |
|             | LCMX06T204-B57 | 0,205                  | 0,260  | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      |        | ☺     |
|             | LCMX06T204-D57 | 0,205                  | 0,260  | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      |        | ☺     |
|             | LCMX06T204-E57 | 0,205                  | 0,260  | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      |        | ☺     |

HC = Coated carbide  
HW = Uncoated carbide

**WALTER SELECT** Жёсткость станка, закрепления инструмента и заготовки → очень хорошая = ☺ → хорошая = ☺ → средняя = ☺

☺ ☺ ☺ / \* = Новый инструмент

Свёрла с пластинами В 315

B1

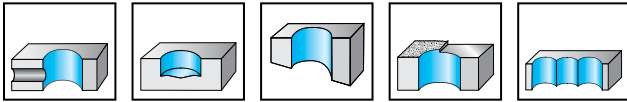
## Свёрла

 B3213 inch


B1

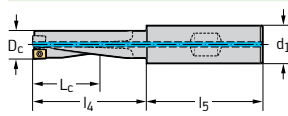
 3×D<sub>c</sub>

Z = 1



|       |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|
|       | P | M | K | N | S | H | O |
| B3213 | ● | ● | ● | ● | ● |   |   |

## Инструмент



Cylindrical shank with flat

| Обозначение            | D <sub>c</sub><br>inch | L <sub>c</sub><br>inch | l <sub>4</sub><br>inch | l <sub>5</sub><br>inch | d <sub>1</sub><br>inch | lbs   | Кол-во<br>пластин | Тип               |
|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------|-------------------|-------------------|
| B3213.U3F.0099.Z01.30R | 0,391                  | 1,173                  | 1,585                  | 1,969                  | 0,750                  | 0,291 | 1 / 1             | LCMX050203-<br>.. |
| B3213.U3F.0103.Z01.31R | 0,406                  | 1,218                  | 1,644                  | 1,969                  | 0,750                  | 0,293 | 1 / 1             | LCMX050203-<br>.. |
| B3213.U3F.0107.Z01.32R | 0,421                  | 1,263                  | 1,704                  | 1,969                  | 0,750                  | 0,397 | 1 / 1             | ..                |
| B3213.U3F.0111.Z01.33R | 0,437                  | 1,311                  | 1,768                  | 1,969                  | 0,750                  | 0,306 | 1 / 1             | ..                |
| B3213.U3F.0115.Z01.35R | 0,453                  | 1,359                  | 1,832                  | 1,969                  | 0,750                  | 0,306 | 1 / 1             |                   |
| B3213.U3F.0119.Z01.36R | 0,469                  | 1,407                  | 1,896                  | 1,969                  | 0,750                  | 0,315 | 1 / 1             |                   |
| B3213.U3F.0123.Z01.37R | 0,484                  | 1,452                  | 1,956                  | 1,969                  | 0,750                  | 0,320 | 1 / 1             |                   |
| B3213.U3F.0127.Z01.38R | 0,500                  | 1,500                  | 2,020                  | 1,969                  | 0,750                  | 0,434 | 1 / 1             |                   |
| B3213.U3F.0131.Z01.39R | 0,515                  | 1,545                  | 2,081                  | 1,969                  | 0,750                  | 0,324 | 1 / 1             |                   |
| B3213.U3F.0135.Z01.40R | 0,531                  | 1,593                  | 2,144                  | 1,969                  | 0,750                  | 0,419 | 1 / 1             |                   |
| B3213.U3F.0139.Z01.42R | 0,547                  | 1,641                  | 2,220                  | 1,969                  | 0,750                  | 0,454 | 1 / 1             | LCMX06T204- ..    |
| B3213.U3F.0143.Z01.43R | 0,562                  | 1,686                  | 2,279                  | 1,969                  | 0,750                  | 0,487 | 1 / 1             | LCMX06T204- ..    |
| B3213.U3F.0147.Z01.44R | 0,578                  | 1,734                  | 2,344                  | 1,969                  | 0,750                  | 0,355 | 1 / 1             |                   |
| B3213.U3F.0155.Z01.46R | 0,609                  | 1,827                  | 2,468                  | 1,969                  | 0,750                  | 0,406 | 1 / 1             |                   |
| B3213.U3F.0159.Z01.48R | 0,625                  | 1,875                  | 2,532                  | 1,969                  | 0,750                  | 0,37  | 1 / 1             |                   |
| B3213.U3F.0163.Z01.49R | 0,64                   | 1,92                   | 2,592                  | 1,969                  | 0,750                  | 0,384 | 1 / 1             |                   |

Корпус и сборочные детали входят в комплект поставки

### Сборочные детали

|  | D <sub>c</sub> [inch]           | 0,391–0,531              | 0,547–0,64               |
|--|---------------------------------|--------------------------|--------------------------|
|  | Винт пластины<br>Момент затяжки | FS1012 (T6)<br>0,295 lbs | FS1004 (T7)<br>0,443 lbs |

### Комплектующие

|  | D <sub>c</sub> [inch]              | 0,391–0,531 | 0,547–0,64  |
|--|------------------------------------|-------------|-------------|
|  | Отвёртка                           | FS1063 (T6) | FS309 (T7)  |
|  | Динамометрический ключ, аналоговый | FS2002      | FS2002      |
|  | Вставка                            | FS2005 (T6) | FS2006 (T7) |

### Пластины

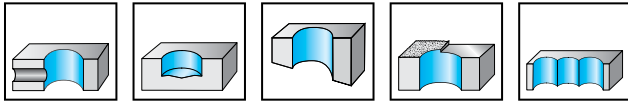
| Обозначение    | l<br>inch      | l <sub>2</sub><br>inch | P      |        | M      |       | K      |       | N      |        | S     |
|----------------|----------------|------------------------|--------|--------|--------|-------|--------|-------|--------|--------|-------|
|                |                |                        | HC     |        | HC     |       | HC     |       | HC     | HW     | HC    |
|                |                |                        | WKP25S | WKP35S | WSP45G | WXP40 | WSP45G | WXP40 | WKP25S | WKP35S | WNN15 |
|                | LCGX050203-E77 | 0,157                  | 0,205  |        |        |       |        |       |        |        |       |
| LCMX050203-B57 | 0,157          | 0,205                  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      |        | ☺     |
| LCMX050203-D57 | 0,157          | 0,205                  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     |        |        | ☺     |
| LCMX050203-E57 | 0,157          | 0,205                  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     |        |        | ☺     |
| LCGX06T204-E77 | 0,205          | 0,260                  |        |        |        |       |        |       | ☺      | ☺      |       |
| LCMX06T204-B57 | 0,205          | 0,260                  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     |        |        | ☺     |
| LCMX06T204-D57 | 0,205          | 0,260                  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     |        |        | ☺     |
| LCMX06T204-E57 | 0,205          | 0,260                  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     |        |        | ☺     |

HC = Coated carbide  
HW = Uncoated carbide

## Свёрла

 B3213 mm

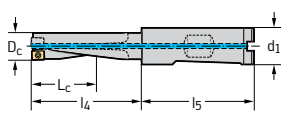

B1



|                |                |         |
|----------------|----------------|---------|
| $D_c$<br>10-18 | $3 \times D_c$ | $Z = 1$ |
|----------------|----------------|---------|

|       |    |    |    |    |    |   |   |
|-------|----|----|----|----|----|---|---|
|       | P  | M  | K  | N  | S  | H | O |
| B3213 | ●● | ●● | ●● | ●● | ●● |   |   |

## Инструмент



DIN 6535 HE, turned 180° DIN 6535 HB

| Обозначение           | $D_c$<br>mm | $L_c$<br>mm | $l_4$<br>mm | $l_5$<br>mm | $d_1$<br>mm | kg   | Кол-во<br>пластин | Тип            |
|-----------------------|-------------|-------------|-------------|-------------|-------------|------|-------------------|----------------|
| B3213.DF.10.0.Z01.30R | 10          | 30          | 41          | 48          | 16          | 0,09 | 1 / 1             | LCMX050203- .. |
| B3213.DF.10.2.Z01.30R | 10,2        | 30,6        | 41          | 48          | 16          | 0,09 | 1 / 1             | LCMX050203- .. |
| B3213.DF.10.5.Z01.31R | 10,5        | 31,5        | 43          | 48          | 16          | 0,09 | 1 / 1             | ..             |
| B3213.DF.11.0.Z01.33R | 11          | 33          | 45          | 48          | 16          | 0,1  | 1 / 1             | ..             |
| B3213.DF.11.5.Z01.34R | 11,5        | 34,5        | 47          | 48          | 16          | 0,1  | 1 / 1             |                |
| B3213.DF.11,7.Z01.35R | 11,7        | 35,1        | 48          | 48          | 16          | 0,1  | 1 / 1             |                |
| B3213.DF.12.0.Z01.36R | 12          | 36          | 48          | 48          | 16          | 0,1  | 1 / 1             |                |
| B3213.DF.12.5.Z01.37R | 12,5        | 37,5        | 50          | 48          | 16          | 0,1  | 1 / 1             |                |
| B3213.DF.13.0.Z01.39R | 13          | 39          | 52          | 48          | 16          | 0,11 | 1 / 1             |                |
| B3213.DF.13.5.Z01.40R | 13,5        | 40,5        | 54          | 48          | 16          | 0,11 | 1 / 1             |                |
| B3213.DF.13,7.Z01.41R | 13,7        | 41,1        | 55          | 48          | 16          | 0,11 | 1 / 1             |                |
| B3213.DF.14.0.Z01.42R | 14          | 42          | 56          | 48          | 16          | 0,11 | 1 / 1             | LCMX06T204- .. |
| B3213.DF.14.5.Z01.43R | 14,5        | 43,5        | 57          | 48          | 16          | 0,11 | 1 / 1             | LCMX06T204- .. |
| B3213.DF.15.0.Z01.45R | 15          | 45          | 59          | 48          | 16          | 0,12 | 1 / 1             |                |
| B3213.DF.15.5.Z01.46R | 15,5        | 46,5        | 61          | 48          | 16          | 0,12 | 1 / 1             |                |
| B3213.DF.15.7.Z01.47R | 15,7        | 47          | 62          | 48          | 16          | 0,13 | 1 / 1             |                |
| B3213.DF.16.0.Z01.48R | 16          | 48          | 63          | 48          | 16          | 0,12 | 1 / 1             |                |
| B3213.DF.16.5.Z01.49R | 16,5        | 49,5        | 65          | 48          | 16          | 0,14 | 1 / 1             |                |
| B3213.DF.17.0.Z01.51R | 17          | 51          | 66          | 48          | 16          | 0,14 | 1 / 1             |                |
| B3213.DF.17.5.Z01.52R | 17,5        | 52,5        | 68          | 48          | 16          | 0,14 | 1 / 1             |                |
| B3213.DF.18.0.Z01.54R | 18          | 54          | 70          | 48          | 16          | 0,15 | 1 / 1             |                |

Возможно перемещение сверла в радиальном направлении на величину X для обработки отверстия большего диаметра, чем номинальный диаметр сверла: |  $X = +0,2 \text{ мм} / -0,1 \text{ мм} \rightarrow \Delta D = +0,4 \text{ мм} / -0,2 \text{ мм}$  | Внимание: при обработке сквозных отверстий вращающимся сверлом на выходе образуется диск, который может вылететь с большой скоростью и нанести травмы и повреждения. Чтобы этого не произошло, примите меры предосторожности. | Корпус и сборочные детали входят в комплект поставки

### Сборочные детали

| D <sub>c</sub> [mm]             | 10–13,7               | 14–15,7               | 16–18                 |
|---------------------------------|-----------------------|-----------------------|-----------------------|
| Винт пластины<br>Момент затяжки | FS1012 (T6)<br>0,4 Nm | FS1004 (T7)<br>0,6 Nm | FS1020 (T7)<br>0,6 Nm |

### Комплектующие

| D <sub>c</sub> [mm]                | 10–13,5       | 13,7          | 14–18         |
|------------------------------------|---------------|---------------|---------------|
| Эксцентриковая втулка              | FS1207        | FS1207        | FS1207        |
| Отвёртка                           | FS1063 (T6)   | FS1063 (T6)   | FS309 (T7)    |
| Винт патрона                       | FS1209 (SW 8) | FS1209 (SW 8) | FS1209 (SW 8) |
| Динамометрический ключ, аналоговый | FS2001        | FS2001        | FS2001        |
| Вставка                            | FS2005 (T6)   | FS2006 (T7)   | FS2006 (T7)   |

### Пластины

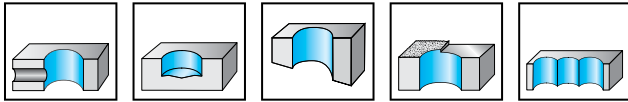
| Обозначение    | l<br>mm | l <sub>2</sub><br>mm | P      |        | M      |       | K      |       | N      |        | S     |      |        |
|----------------|---------|----------------------|--------|--------|--------|-------|--------|-------|--------|--------|-------|------|--------|
|                |         |                      | HC     | HC     | HC     | HC    | HC     | HW    | HC     |        |       |      |        |
|                |         |                      | WKP25S | WKP35S | WSP45G | WXP40 | WSP45G | WXP40 | WKP25S | WKP35S | WNN15 | WN15 | WSP45G |
| LCGX050203-E77 | 4       | 5,2                  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| LCMX050203-B57 | 4       | 5,2                  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| LCMX050203-D57 | 4       | 5,2                  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| LCMX050203-E57 | 4       | 5,2                  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| LCGX06T204-E77 | 5,2     | 6,6                  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| LCMX06T204-B57 | 5,2     | 6,6                  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| LCMX06T204-D57 | 5,2     | 6,6                  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| LCMX06T204-E57 | 5,2     | 6,6                  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |

HC = Coated carbide  
HW = Uncoated carbide

## Свёрла

 B3214 mm


B1

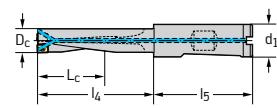


|                |                |         |
|----------------|----------------|---------|
| $D_c$<br>10-18 | $4 \times D_c$ | $Z = 1$ |
|----------------|----------------|---------|

|       |   |   |    |    |   |   |   |
|-------|---|---|----|----|---|---|---|
|       | P | M | K  | N  | S | H | O |
| B3214 |   |   | ●● | ●● |   |   |   |

## Инструмент

| Обозначение           | $D_c$<br>mm | $L_c$<br>mm | $l_4$<br>mm | $l_5$<br>mm | $d_1$<br>mm | kg   | Кол-во<br>пластин | Тип               |
|-----------------------|-------------|-------------|-------------|-------------|-------------|------|-------------------|-------------------|
| B3214.DF.10.0.Z01.40R | 10          | 40          | 51          | 48          | 16          | 0,09 | 1 / 1             | LCMX050203-<br>.. |
| B3214.DF.10.5.Z01.42R | 10,5        | 42          | 53          | 48          | 16          | 0,1  | 1 / 1             | LCMX050203-<br>.. |
| B3214.DF.11.0.Z01.44R | 11          | 44          | 56          | 48          | 16          | 0,1  | 1 / 1             | ..                |
| B3214.DF.11.5.Z01.46R | 11,5        | 46          | 58          | 48          | 16          | 0,1  | 1 / 1             | ..                |
| B3214.DF.12.0.Z01.48R | 12          | 48          | 60          | 48          | 16          | 0,11 | 1 / 1             | ..                |
| B3214.DF.12.5.Z01.50R | 12,5        | 50          | 62          | 48          | 16          | 0,11 | 1 / 1             | ..                |
| B3214.DF.13.0.Z01.52R | 13          | 52          | 65          | 48          | 16          | 0,11 | 1 / 1             | ..                |
| B3214.DF.13.5.Z01.54R | 13,5        | 54          | 67          | 48          | 16          | 0,12 | 1 / 1             | ..                |
| B3214.DF.14.0.Z01.56R | 14          | 56          | 70          | 48          | 16          | 0,12 | 1 / 1             | LCMX06T204- ..    |
| B3214.DF.14.5.Z01.58R | 14,5        | 58          | 72          | 48          | 16          | 0,13 | 1 / 1             | LCMX06T204- ..    |
| B3214.DF.15.0.Z01.60R | 15          | 60          | 74          | 48          | 16          | 0,13 | 1 / 1             | ..                |
| B3214.DF.15.5.Z01.62R | 15,5        | 62          | 77          | 48          | 16          | 0,12 | 1 / 1             | ..                |
| B3214.DF.16.0.Z01.64R | 16          | 64          | 78          | 48          | 16          | 0,14 | 1 / 1             | ..                |
| B3214.DF.16.5.Z01.66R | 16,5        | 66          | 82          | 48          | 16          | 0,15 | 1 / 1             | ..                |
| B3214.DF.17.5.Z01.70R | 17,5        | 70          | 85          | 48          | 16          | 0,17 | 1 / 1             | ..                |
| B3214.DF.18.0.Z01.72R | 18          | 72          | 88          | 48          | 16          | 0,17 | 1 / 1             | ..                |



DIN 6535 HE, turned 180° DIN 6535 HB

Возможно перемещение сверла в радиальном направлении на величину X для обработки отверстия большего диаметра, чем номинальный диаметр сверла: | X = +0,2 мм/-0,1 мм → ΔD = +0,4 мм/-0,2 мм | Внимание: при обработке сквозных отверстий вращающимся сверлом на выходе образуется диск, который может вылететь с большой скоростью и нанести травмы и повреждения. Чтобы этого не произошло, примите меры предосторожности. | Корпус и сборочные детали входят в комплект поставки



### Сборочные детали

| D <sub>c</sub> [mm]             | 10–13,5               | 14–15,5               | 16–18                 |
|---------------------------------|-----------------------|-----------------------|-----------------------|
| Винт пластины<br>Момент затяжки | FS1012 (T6)<br>0,4 Nm | FS1004 (T7)<br>0,6 Nm | FS1020 (T7)<br>0,6 Nm |

### Комплектующие

| D <sub>c</sub> [mm]                | 10–13,5       | 14–18         |
|------------------------------------|---------------|---------------|
| Эксцентриковая втулка              | FS1207        | FS1207        |
| Отвёртка                           | FS1063 (T6)   | FS309 (T7)    |
| Винт патрона                       | FS1209 (SW 8) | FS1209 (SW 8) |
| Динамометрический ключ, аналоговый | FS2001        | FS2001        |
| Вставка                            | FS2005 (T6)   | FS2006 (T7)   |

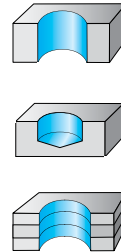
### Пластины

| Обозначение    | l<br>mm | l <sub>2</sub><br>mm | P      |        | M      |       | K      |       | N      |        | S     |      |        |
|----------------|---------|----------------------|--------|--------|--------|-------|--------|-------|--------|--------|-------|------|--------|
|                |         |                      | HC     | HC     | HC     | HC    | HC     | HW    | HC     |        |       |      |        |
|                |         |                      | WKP25S | WKP35S | WSP45G | WXP40 | WSP45G | WXP40 | WKP25S | WKP35S | WNN15 | WN15 | WSP45G |
| LCGX050203-E77 | 4       | 5,2                  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| LCMX050203-B57 | 4       | 5,2                  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| LCMX050203-D57 | 4       | 5,2                  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| LCMX050203-E57 | 4       | 5,2                  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| LCGX06T204-E77 | 5,2     | 6,6                  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| LCMX06T204-B57 | 5,2     | 6,6                  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| LCMX06T204-D57 | 5,2     | 6,6                  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |
| LCMX06T204-E57 | 5,2     | 6,6                  | ☺      | ☺      | ☺      | ☺     | ☺      | ☺     | ☺      | ☺      | ☺     | ☺    | ☺      |

HC = Coated carbide  
HW = Uncoated carbide

## Расточные инструменты быстрорежущие

B1



Глубина сверления

 3 x D<sub>C</sub>

 5 x D<sub>C</sub>


Обозначение

 A1154TFT  
VA Inox

 A1149XPL  
UFL®

 A1148  
UFL®

A3153

A3143

Другие услуги



Стандарт

DIN 1897

DIN 1897

DIN 1897

DIN 1899

DIN 1899

Покрытие/сплав

TFT

XPL

без покрытия

без покрытия

без покрытия

Хвостовик

 с цилиндрическим  
хвостовиком

 с цилиндрическим  
хвостовиком

 с цилиндрическим  
хвостовиком

 с цилиндрическим  
хвостовиком

 с цилиндрическим  
хвостовиком

Диапазон Ø [мм]

2–16

1–20

1–20

0,15–1,4

0,05–1,45

P Сталь



M Нержавеющая сталь



K Чугун



N Цветные металлы



S Жаропрочные сплавы



H Материалы высокой твёрдости



O Прочее



Страница в каталоге

B 336

B 330

B 339

B 348

B 345

QR-код


[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

A1154TFT

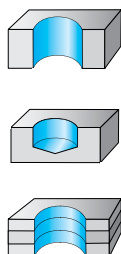
A1149XPL

A1148

A3153

A3143

# Расточные инструменты быстрорежущие



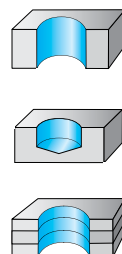
Глубина сверления 8 x D<sub>C</sub>



|                                      |                              |                              |                              |                              |         |
|--------------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|---------|
| Обозначение                          | A1254TFT<br>VA Inox          | A1249XPL<br>UFL®             | A1222<br>UFL®                | A1244<br>VA                  | Z3515   |
| Другие услуги                        |                              |                              |                              |                              |         |
| Стандарт                             | DIN 338                      | DIN 338                      | DIN 338                      | DIN 338                      | DIN 338 |
| Покрытие/сплав                       | TFT                          | XPL                          | без покрытия                 | без покрытия                 |         |
| Хвостовик                            | с цилиндрическим хвостовиком | с цилиндрическим хвостовиком | с цилиндрическим хвостовиком | с цилиндрическим хвостовиком |         |
| Диапазон Ø [mm]                      | 3–16                         | 1–20                         | 1–16                         | 0,3–15                       | –       |
| <b>P</b> Сталь                       | ●                            | ●●                           | ●●                           | ●                            | ●       |
| <b>M</b> Нержавеющая сталь           | ●●                           | ●●                           | ●                            | ●●                           | ●●      |
| <b>K</b> Чугун                       |                              | ●●                           | ●●                           |                              |         |
| <b>N</b> Цветные металлы             | ●●                           | ●●                           | ●●                           | ●                            | ●       |
| <b>S</b> Жаропрочные сплавы          | ●                            | ●                            | ●                            | ●●                           | ●●      |
| <b>H</b> Материалы высокой твёрдости |                              |                              |                              |                              |         |
| <b>O</b> Прочее                      | ●                            | ●                            | ●                            |                              |         |
| Страница в каталоге                  | B 355                        | B 350                        | B 370                        | B 362                        | B 368   |
| QR-код                               |                              |                              |                              |                              |         |
| www.walter-tools.com/woc/            | A1254TFT                     | A1249XPL                     | A1222                        | A1244                        | Z3515   |

## Расточные инструменты быстрорежущие

B1



Глубина сверления

 $8 \times D_c$ 


|             |       |             |                    |                    |                  |
|-------------|-------|-------------|--------------------|--------------------|------------------|
| Обозначение | Z3516 | A4244<br>VA | A1247<br>Alpha® XE | A4247<br>Alpha® XE | DA110<br>Perform |
|-------------|-------|-------------|--------------------|--------------------|------------------|

### Другие услуги

|                                      |    |                          |                              |                          |                              |
|--------------------------------------|----|--------------------------|------------------------------|--------------------------|------------------------------|
| Стандарт                             |    | DIN 345                  | DIN 338                      | DIN 345                  | DIN 338                      |
| Покрытие/сплав                       |    | без покрытия             | без покрытия                 | без покрытия             | WZ90AJ                       |
| Хвостовик                            |    | с коническим хвостовиком | с цилиндрическим хвостовиком | с коническим хвостовиком | с цилиндрическим хвостовиком |
| Диапазон Ø [мм]                      | –  | 10–32                    | 1–16                         | 10–40                    | 1–16                         |
| <b>P</b> Сталь                       | ●  | ●                        | ●●                           | ●●                       | ●●                           |
| <b>M</b> Нержавеющая сталь           | ●● | ●●                       | ●●                           | ●●                       | ●                            |
| <b>K</b> Чугун                       |    |                          | ●●                           | ●●                       | ●●                           |
| <b>N</b> Цветные металлы             | ●  | ●                        | ●●                           | ●●                       | ●                            |
| <b>S</b> Жаропрочные сплавы          | ●● | ●●                       | ●●                           | ●●                       |                              |
| <b>H</b> Материалы высокой твёрдости |    |                          |                              |                          |                              |
| <b>O</b> Прочее                      |    |                          | ●                            | ●                        | ●                            |

|                     |       |       |       |       |       |
|---------------------|-------|-------|-------|-------|-------|
| Страница в каталоге | B 369 | B 424 | B 357 | B 426 | B 394 |
|---------------------|-------|-------|-------|-------|-------|

QR-код


[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

Z3516

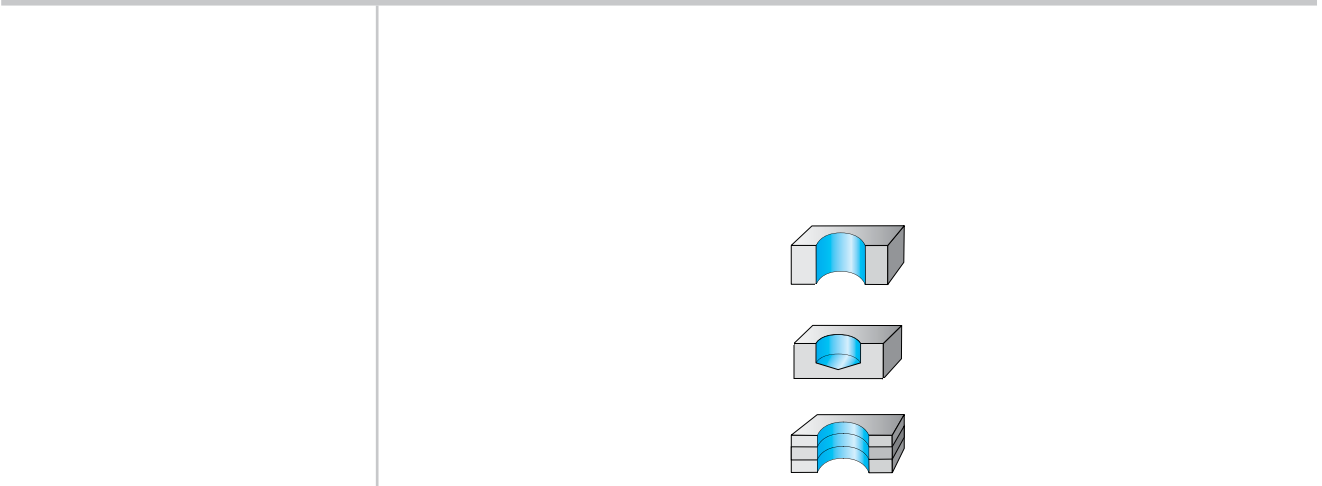
A4244

A1247

A4247

DA110

## Расточные инструменты быстрорежущие



|                   |  |                    |  |  |  |
|-------------------|--|--------------------|--|--|--|
| Глубина сверления |  | 8 x D <sub>C</sub> |  |  |  |
|-------------------|--|--------------------|--|--|--|



|             |               |          |       |       |       |
|-------------|---------------|----------|-------|-------|-------|
| Обозначение | DA110 Perform | A1211TIN | A1211 | Z3213 | Z3218 |
|-------------|---------------|----------|-------|-------|-------|

Другие услуги

|                |         |                              |                              |         |         |
|----------------|---------|------------------------------|------------------------------|---------|---------|
| Стандарт       | DIN 338 | DIN 338                      | DIN 338                      | DIN 338 | DIN 338 |
| Покрытие/сплав |         | TIN                          | без покрытия                 |         |         |
| Хвостовик      |         | с цилиндрическим хвостовиком | с цилиндрическим хвостовиком |         |         |

|                                      |    |        |        |    |    |
|--------------------------------------|----|--------|--------|----|----|
| Диапазон Ø [мм]                      | -  | 0,5–16 | 0,2–22 | -  | -  |
| <b>P</b> Сталь                       | ●● | ●●     | ●●     | ●● | ●● |
| <b>M</b> Нержавеющая сталь           | ●  | ●      | ●      | ●  | ●  |
| <b>K</b> Чугун                       | ●● | ●●     | ●●     | ●● | ●● |
| <b>N</b> Цветные металлы             | ●  | ●      | ●      | ●  | ●  |
| <b>S</b> Жаропрочные сплавы          | ●  | ●      | ●      | ●  | ●  |
| <b>H</b> Материалы высокой твёрдости |    |        |        |    |    |
| <b>O</b> Прочее                      | ●  | ●      | ●      | ●  | ●  |

|                     |       |       |       |       |       |
|---------------------|-------|-------|-------|-------|-------|
| Страница в каталоге | B 397 | B 376 | B 376 | B 392 | B 390 |
|---------------------|-------|-------|-------|-------|-------|

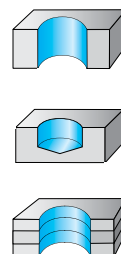


|                           |       |          |       |       |       |
|---------------------------|-------|----------|-------|-------|-------|
| www.walter-tools.com/woc/ | DA110 | A1211TIN | A1211 | Z3213 | Z3218 |
|---------------------------|-------|----------|-------|-------|-------|

B1

## Расточные инструменты быстрорежущие

B1

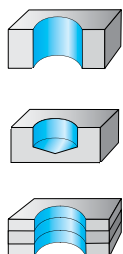


Глубина сверления

 12 x D<sub>c</sub>


| Обозначение                          | A1549TFP<br>UFL®             | A1522<br>UFL®                | A4422<br>UFL®            | A1544<br>VA                  | A1547<br>Alpha® XE           |
|--------------------------------------|------------------------------|------------------------------|--------------------------|------------------------------|------------------------------|
| Другие услуги                        |                              |                              |                          |                              |                              |
| Стандарт                             | DIN 340                      | DIN 340                      | DIN 341                  | DIN 340                      | DIN 340                      |
| Покрытие/сплав                       | TFP                          | без покрытия                 | без покрытия             | без покрытия                 | без покрытия                 |
| Хвостовик                            | с цилиндрическим хвостовиком | с цилиндрическим хвостовиком | с коническим хвостовиком | с цилиндрическим хвостовиком | с цилиндрическим хвостовиком |
| Диапазон Ø [мм]                      | 1-12                         | 1-22,225                     | 10-31                    | 1-12                         | 1-12,7                       |
| <b>P</b> Сталь                       | ●●                           | ●●                           | ●●                       | ●                            | ●                            |
| <b>M</b> Нержавеющая сталь           | ●●                           | ●                            | ●                        | ●●                           | ●●                           |
| <b>K</b> Чугун                       | ●●                           | ●●                           | ●●                       | ●●                           | ●●                           |
| <b>N</b> Цветные металлы             | ●●                           | ●●                           | ●●                       | ●                            | ●                            |
| <b>S</b> Жаропрочные сплавы          | ●                            | ●                            | ●                        | ●●                           | ●●                           |
| <b>H</b> Материалы высокой твёрдости |                              |                              |                          |                              |                              |
| <b>O</b> Прочее                      | ●                            | ●                            | ●                        |                              | ●                            |
| Страница в каталоге                  | B 399                        | B 408                        | B 428                    | B 405                        | B 402                        |
| QR-код                               |                              |                              |                          |                              |                              |
| www.walter-tools.com/woc/            | A1549TFP                     | A1522                        | A4422                    | A1544                        | A1547                        |

## Расточные инструменты быстрорежущие



|                   |                     |                     |  |                     |
|-------------------|---------------------|---------------------|--|---------------------|
| Глубина сверления | 12 x D <sub>C</sub> | 16 x D <sub>C</sub> |  | 22 x D <sub>C</sub> |
|-------------------|---------------------|---------------------|--|---------------------|



|             |       |            |            |       |            |
|-------------|-------|------------|------------|-------|------------|
| Обозначение | A1511 | A1622 UFL® | A4622 UFL® | A4611 | A1722 UFL® |
|-------------|-------|------------|------------|-------|------------|

|               |  |  |  |  |  |
|---------------|--|--|--|--|--|
| Другие услуги |  |  |  |  |  |
|---------------|--|--|--|--|--|

|          |         |            |            |            |             |
|----------|---------|------------|------------|------------|-------------|
| Стандарт | DIN 340 | DIN 1869 I | DIN 1870 I | DIN 1870 I | DIN 1869 II |
|----------|---------|------------|------------|------------|-------------|

|                |              |              |              |              |              |
|----------------|--------------|--------------|--------------|--------------|--------------|
| Покрытие/сплав | без покрытия | без покрытия | без покрытия | без покрытия | без покрытия |
|----------------|--------------|--------------|--------------|--------------|--------------|

|           |                              |                              |                          |                          |                              |
|-----------|------------------------------|------------------------------|--------------------------|--------------------------|------------------------------|
| Хвостовик | с цилиндрическим хвостовиком | с цилиндрическим хвостовиком | с коническим хвостовиком | с коническим хвостовиком | с цилиндрическим хвостовиком |
|-----------|------------------------------|------------------------------|--------------------------|--------------------------|------------------------------|

|                 |        |        |       |      |      |
|-----------------|--------|--------|-------|------|------|
| Диапазон Ø [мм] | 0,5–22 | 2–12,7 | 12–30 | 8–40 | 3–12 |
|-----------------|--------|--------|-------|------|------|

|                                      |   |    |    |   |    |
|--------------------------------------|---|----|----|---|----|
| <b>P</b> Сталь                       | ● | ●● | ●● | ● | ●● |
| <b>M</b> Нержавеющая сталь           | ● | ●  | ●  | ● | ●  |
| <b>K</b> Чугун                       | ● | ●● | ●● | ● | ●● |
| <b>N</b> Цветные металлы             | ● | ●● | ●● | ● | ●● |
| <b>S</b> Жаропрочные сплавы          | ● | ●  | ●  | ● | ●  |
| <b>H</b> Материалы высокой твёрдости |   |    |    |   |    |
| <b>O</b> Прочее                      | ● | ●  | ●  | ● | ●  |

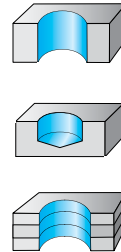
|                     |       |       |       |       |       |
|---------------------|-------|-------|-------|-------|-------|
| Страница в каталоге | B 413 | B 416 | B 430 | B 431 | B 420 |
|---------------------|-------|-------|-------|-------|-------|

|        |  |  |  |  |  |
|--------|--|--|--|--|--|
| QR-код |  |  |  |  |  |
|--------|--|--|--|--|--|

|                           |       |       |       |       |       |
|---------------------------|-------|-------|-------|-------|-------|
| www.walter-tools.com/woc/ | A1511 | A1622 | A4622 | A4611 | A1722 |
|---------------------------|-------|-------|-------|-------|-------|

## Расточные инструменты быстрорежущие

B1



|                   |                     |                     |                     |                     |  |
|-------------------|---------------------|---------------------|---------------------|---------------------|--|
| Глубина сверления | 22 x D <sub>C</sub> | 30 x D <sub>C</sub> | 60 x D <sub>C</sub> | 85 x D <sub>C</sub> |  |
|-------------------|---------------------|---------------------|---------------------|---------------------|--|



|             |            |            |             |             |          |
|-------------|------------|------------|-------------|-------------|----------|
| Обозначение | A4722 UFL® | A1822 UFL® | A1922S UFL® | A1922L UFL® | Z3219TIN |
|-------------|------------|------------|-------------|-------------|----------|

|               |  |  |  |  |  |
|---------------|--|--|--|--|--|
| Другие услуги |  |  |  |  |  |
|---------------|--|--|--|--|--|

|          |             |              |        |        |         |
|----------|-------------|--------------|--------|--------|---------|
| Стандарт | DIN 1870 II | DIN 1869 III | Walter | Walter | DIN 338 |
|----------|-------------|--------------|--------|--------|---------|

|                |              |              |              |              |  |
|----------------|--------------|--------------|--------------|--------------|--|
| Покрытие/сплав | без покрытия | без покрытия | без покрытия | без покрытия |  |
|----------------|--------------|--------------|--------------|--------------|--|

|           |                          |                              |                              |                              |  |
|-----------|--------------------------|------------------------------|------------------------------|------------------------------|--|
| Хвостовик | с коническим хвостовиком | с цилиндрическим хвостовиком | с цилиндрическим хвостовиком | с цилиндрическим хвостовиком |  |
|-----------|--------------------------|------------------------------|------------------------------|------------------------------|--|

|                 |      |        |      |      |   |
|-----------------|------|--------|------|------|---|
| Диапазон Ø [мм] | 8–40 | 3,5–12 | 6–14 | 8–12 | – |
|-----------------|------|--------|------|------|---|

|                                      |    |    |    |    |    |
|--------------------------------------|----|----|----|----|----|
| <b>P</b> Сталь                       | ●● | ●● | ●● | ●● | ●● |
| <b>M</b> Нержавеющая сталь           | ●  | ●  | ●  | ●  | ●  |
| <b>K</b> Чугун                       | ●● | ●● | ●● | ●● | ●● |
| <b>N</b> Цветные металлы             | ●● | ●● | ●● | ●● | ●  |
| <b>S</b> Жаропрочные сплавы          | ●  | ●  | ●  | ●  | ●  |
| <b>H</b> Материалы высокой твёрдости |    |    |    |    |    |
| <b>O</b> Прочее                      | ●  | ●  | ●  | ●  | ●  |

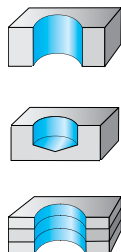
|                     |       |       |       |       |       |
|---------------------|-------|-------|-------|-------|-------|
| Страница в каталоге | B 432 | B 421 | B 422 | B 423 | B 389 |
|---------------------|-------|-------|-------|-------|-------|

|        |  |  |  |  |  |
|--------|--|--|--|--|--|
| QR-код |  |  |  |  |  |
|--------|--|--|--|--|--|

|                           |       |       |        |        |          |
|---------------------------|-------|-------|--------|--------|----------|
| www.walter-tools.com/woc/ | A4722 | A1822 | A1922S | A1922L | Z3219TIN |
|---------------------------|-------|-------|--------|--------|----------|



## Расточные инструменты быстрорежущие



Глубина сверления



|             |       |       |
|-------------|-------|-------|
| Обозначение | Z3219 | Z3216 |
|-------------|-------|-------|

Другие услуги

|          |         |         |
|----------|---------|---------|
| Стандарт | DIN 338 | DIN 338 |
|----------|---------|---------|

Покрытие/сплав

|           |  |  |
|-----------|--|--|
| Хвостовик |  |  |
|-----------|--|--|

|                 |   |   |
|-----------------|---|---|
| Диапазон Ø [mm] | - | - |
|-----------------|---|---|

|                                      |    |    |
|--------------------------------------|----|----|
| <b>P</b> Сталь                       | ●● | ●● |
| <b>M</b> Нержавеющая сталь           | ●  | ●  |
| <b>K</b> Чугун                       | ●● | ●● |
| <b>N</b> Цветные металлы             | ●  | ●  |
| <b>S</b> Жаропрочные сплавы          | ●  | ●  |
| <b>H</b> Материалы высокой твёрдости |    |    |
| <b>O</b> Прочее                      | ●  | ●  |

|                     |       |       |
|---------------------|-------|-------|
| Страница в каталоге | B 389 | B 393 |
|---------------------|-------|-------|

QR-код



[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

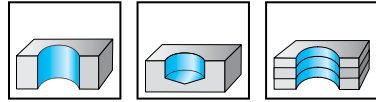
Z3219

Z3216

# Свёрла спиральные HSS-E, особо короткое исполнение

## A1149XPL

### UFL®



|     |    |    |    |    |   |   |   |
|-----|----|----|----|----|---|---|---|
|     | P  | M  | K  | N  | S | H | O |
| XPL | ●● | ●● | ●● | ●● | ● |   | ● |

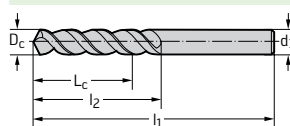
B1

| Инструмент               | Обозначение     | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|--------------------------|-----------------|----------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------------|
| <p>Cylindrical shank</p> | A1149XPL-1      | 1                          |                        | 4                    | 26                   | 6                    | 1                           |
|                          | A1149XPL-N060   | 1,016                      | No. 60                 | 4                    | 26                   | 6                    | 1,016                       |
|                          | A1149XPL-N059   | 1,041                      | No. 59                 | 4                    | 26                   | 6                    | 1,041                       |
|                          | A1149XPL-N058   | 1,067                      | No. 58                 | 5                    | 28                   | 7                    | 1,067                       |
|                          | A1149XPL-N057   | 1,092                      | No. 57                 | 5                    | 28                   | 7                    | 1,092                       |
|                          | A1149XPL-1.1    | 1,1                        |                        | 5                    | 28                   | 7                    | 1,1                         |
|                          | A1149XPL-N056   | 1,181                      | No. 56                 | 6                    | 30                   | 8                    | 1,181                       |
|                          | A1149XPL-3/64IN | 1,191                      | 3/64"                  | 6                    | 30                   | 8                    | 1,191                       |
|                          | A1149XPL-1.2    | 1,2                        |                        | 6                    | 30                   | 8                    | 1,2                         |
|                          | A1149XPL-1.3    | 1,3                        |                        | 6                    | 30                   | 8                    | 1,3                         |
|                          | A1149XPL-N055   | 1,321                      | No. 55                 | 6                    | 32                   | 9                    | 1,321                       |
|                          | A1149XPL-N054   | 1,397                      | No. 54                 | 6                    | 32                   | 9                    | 1,397                       |
|                          | A1149XPL-1.4    | 1,4                        |                        | 6                    | 32                   | 9                    | 1,4                         |
|                          | A1149XPL-1.5    | 1,5                        |                        | 6                    | 32                   | 9                    | 1,5                         |
|                          | A1149XPL-N053   | 1,511                      | No. 53                 | 7                    | 34                   | 10                   | 1,511                       |
|                          | A1149XPL-1/16IN | 1,588                      | 1/16"                  | 7                    | 34                   | 10                   | 1,588                       |
|                          | A1149XPL-1.6    | 1,6                        |                        | 7                    | 34                   | 10                   | 1,6                         |
|                          | A1149XPL-N052   | 1,613                      | No. 52                 | 7                    | 34                   | 10                   | 1,613                       |
|                          | A1149XPL-1.7    | 1,7                        |                        | 7                    | 34                   | 10                   | 1,7                         |
|                          | A1149XPL-N051   | 1,702                      | No. 51                 | 8                    | 36                   | 11                   | 1,702                       |
|                          | A1149XPL-N050   | 1,778                      | No. 50                 | 8                    | 36                   | 11                   | 1,778                       |
|                          | A1149XPL-1.8    | 1,8                        |                        | 8                    | 36                   | 11                   | 1,8                         |
|                          | A1149XPL-N049   | 1,854                      | No. 49                 | 8                    | 36                   | 11                   | 1,854                       |
|                          | A1149XPL-1.9    | 1,9                        |                        | 8                    | 36                   | 11                   | 1,9                         |
|                          | A1149XPL-N048   | 1,930                      | No. 48                 | 8                    | 38                   | 12                   | 1,93                        |
|                          | A1149XPL-5/64IN | 1,984                      | 5/64"                  | 8                    | 38                   | 12                   | 1,984                       |
|                          | A1149XPL-N047   | 1,994                      | No. 47                 | 8                    | 38                   | 12                   | 1,994                       |
|                          | A1149XPL-2      | 2                          |                        | 8                    | 38                   | 12                   | 2                           |
|                          | A1149XPL-N046   | 2,057                      | No. 46                 | 8                    | 38                   | 12                   | 2,057                       |
|                          | A1149XPL-N045   | 2,083                      | No. 45                 | 8                    | 38                   | 12                   | 2,083                       |
|                          | A1149XPL-2.1    | 2,1                        |                        | 8                    | 38                   | 12                   | 2,1                         |
|                          | A1149XPL-N044   | 2,184                      | No. 44                 | 9                    | 40                   | 13                   | 2,184                       |
| A1149XPL-2.2             | 2,2             |                            | 9                      | 40                   | 13                   | 2,2                  |                             |
| A1149XPL-N043            | 2,261           | No. 43                     | 9                      | 40                   | 13                   | 2,261                |                             |
| A1149XPL-2.3             | 2,3             |                            | 9                      | 40                   | 13                   | 2,3                  |                             |
| A1149XPL-N042            | 2,375           | No. 42                     | 10                     | 43                   | 14                   | 2,375                |                             |

**WALTER  
SELECT**

●● Основная область применения   
 ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки

## Инструмент



Cylindrical shank

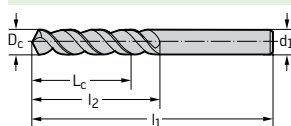
| Обозначение     | D <sub>c</sub><br>h8<br>мм | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>мм | l <sub>1</sub><br>мм | l <sub>2</sub><br>мм | d <sub>1</sub><br>f11<br>мм |
|-----------------|----------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------------|
| A1149XPL-3/32IN | 2,381                      | 3/32"                  | 10                   | 43                   | 14                   | 2,381                       |
| A1149XPL-2.4    | 2,4                        |                        | 10                   | 43                   | 14                   | 2,4                         |
| A1149XPL-NO41   | 2,438                      | No. 41                 | 10                   | 43                   | 14                   | 2,438                       |
| A1149XPL-NO40   | 2,489                      | No. 40                 | 10                   | 43                   | 14                   | 2,489                       |
| A1149XPL-2.5    | 2,5                        |                        | 10                   | 43                   | 14                   | 2,5                         |
| A1149XPL-NO39   | 2,527                      | No. 39                 | 10                   | 43                   | 14                   | 2,527                       |
| A1149XPL-NO38   | 2,578                      | No. 38                 | 10                   | 43                   | 14                   | 2,578                       |
| A1149XPL-2.6    | 2,6                        |                        | 10                   | 43                   | 14                   | 2,6                         |
| A1149XPL-NO37   | 2,642                      | No. 37                 | 10                   | 43                   | 14                   | 2,642                       |
| A1149XPL-2.7    | 2,7                        |                        | 11                   | 46                   | 16                   | 2,7                         |
| A1149XPL-NO36   | 2,705                      | No. 36                 | 11                   | 46                   | 16                   | 2,705                       |
| A1149XPL-7/64IN | 2,778                      | 7/64"                  | 11                   | 46                   | 16                   | 2,778                       |
| A1149XPL-NO35   | 2,794                      | No. 35                 | 11                   | 46                   | 16                   | 2,794                       |
| A1149XPL-2.8    | 2,8                        |                        | 11                   | 46                   | 16                   | 2,8                         |
| A1149XPL-NO34   | 2,819                      | No. 34                 | 11                   | 46                   | 16                   | 2,819                       |
| A1149XPL-NO33   | 2,870                      | No. 33                 | 11                   | 46                   | 16                   | 2,87                        |
| A1149XPL-2.9    | 2,9                        |                        | 11                   | 46                   | 16                   | 2,9                         |
| A1149XPL-NO32   | 2,946                      | No. 32                 | 11                   | 46                   | 16                   | 2,946                       |
| A1149XPL-3      | 3                          |                        | 11                   | 46                   | 16                   | 3                           |
| A1149XPL-NO31   | 3,048                      | No. 31                 | 12                   | 49                   | 18                   | 3,048                       |
| A1149XPL-3.1    | 3,1                        |                        | 12                   | 49                   | 18                   | 3,1                         |
| A1149XPL-1/8IN  | 3,175                      | 1/8"                   | 12                   | 49                   | 18                   | 3,175                       |
| A1149XPL-3.2    | 3,2                        |                        | 12                   | 49                   | 18                   | 3,2                         |
| A1149XPL-NO30   | 3,264                      | No. 30                 | 12                   | 49                   | 18                   | 3,264                       |
| A1149XPL-3.3    | 3,3                        |                        | 12                   | 49                   | 18                   | 3,3                         |
| A1149XPL-3.4    | 3,4                        |                        | 14                   | 52                   | 20                   | 3,4                         |
| A1149XPL-NO29   | 3,454                      | No. 29                 | 14                   | 52                   | 20                   | 3,454                       |
| A1149XPL-3.5    | 3,5                        |                        | 14                   | 52                   | 20                   | 3,5                         |
| A1149XPL-NO28   | 3,569                      | No. 28                 | 14                   | 52                   | 20                   | 3,569                       |
| A1149XPL-9/64IN | 3,572                      | 9/64"                  | 14                   | 52                   | 20                   | 3,572                       |
| A1149XPL-3.6    | 3,6                        |                        | 14                   | 52                   | 20                   | 3,6                         |
| A1149XPL-NO27   | 3,658                      | No. 27                 | 14                   | 52                   | 20                   | 3,658                       |
| A1149XPL-3.7    | 3,7                        |                        | 14                   | 52                   | 20                   | 3,7                         |
| A1149XPL-NO26   | 3,734                      | No. 26                 | 14                   | 52                   | 20                   | 3,734                       |
| A1149XPL-NO25   | 3,797                      | No. 25                 | 15                   | 55                   | 22                   | 3,797                       |
| A1149XPL-3.8    | 3,8                        |                        | 15                   | 55                   | 22                   | 3,8                         |
| A1149XPL-NO24   | 3,861                      | No. 24                 | 15                   | 55                   | 22                   | 3,861                       |
| A1149XPL-3.9    | 3,9                        |                        | 15                   | 55                   | 22                   | 3,9                         |
| A1149XPL-NO23   | 3,912                      | No. 23                 | 15                   | 55                   | 22                   | 3,912                       |
| A1149XPL-5/32IN | 3,969                      | 5/32"                  | 15                   | 55                   | 22                   | 3,969                       |
| A1149XPL-NO22   | 3,988                      | No. 22                 | 15                   | 55                   | 22                   | 3,988                       |
| A1149XPL-4      | 4                          |                        | 15                   | 55                   | 22                   | 4                           |
| A1149XPL-NO21   | 4,039                      | No. 21                 | 15                   | 55                   | 22                   | 4,039                       |
| A1149XPL-NO20   | 4,089                      | No. 20                 | 15                   | 55                   | 22                   | 4,089                       |
| A1149XPL-4.1    | 4,1                        |                        | 15                   | 55                   | 22                   | 4,1                         |
| A1149XPL-4.2    | 4,2                        |                        | 15                   | 55                   | 22                   | 4,2                         |

B1

WALTER  
SELECT

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

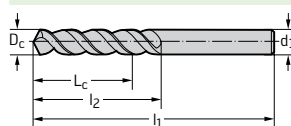
## Инструмент



Cylindrical shank

| Обозначение      | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------------|
| A1149XPL-NO19    | 4,216                      | No. 19                 | 15                   | 55                   | 22                   | 4,216                       |
| A1149XPL-4.3     | 4,3                        |                        | 16                   | 58                   | 24                   | 4,3                         |
| A1149XPL-NO18    | 4,305                      | No. 18                 | 16                   | 58                   | 24                   | 4,305                       |
| A1149XPL-11/64IN | 4,366                      | 11/64"                 | 16                   | 58                   | 24                   | 4,366                       |
| A1149XPL-NO17    | 4,394                      | No. 17                 | 16                   | 58                   | 24                   | 4,394                       |
| A1149XPL-4.4     | 4,4                        |                        | 16                   | 58                   | 24                   | 4,4                         |
| A1149XPL-NO16    | 4,496                      | No. 16                 | 16                   | 58                   | 24                   | 4,496                       |
| A1149XPL-4.5     | 4,5                        |                        | 16                   | 58                   | 24                   | 4,5                         |
| A1149XPL-NO15    | 4,572                      | No. 15                 | 16                   | 58                   | 24                   | 4,572                       |
| A1149XPL-4.6     | 4,6                        |                        | 16                   | 58                   | 24                   | 4,6                         |
| A1149XPL-NO14    | 4,623                      | No. 14                 | 16                   | 58                   | 24                   | 4,623                       |
| A1149XPL-4.65    | 4,65                       |                        | 16                   | 58                   | 24                   | 4,65                        |
| A1149XPL-NO13    | 4,699                      | No. 13                 | 16                   | 58                   | 24                   | 4,699                       |
| A1149XPL-4.7     | 4,7                        |                        | 16                   | 58                   | 24                   | 4,7                         |
| A1149XPL-3/16IN  | 4,763                      | 3/16"                  | 18                   | 62                   | 26                   | 4,763                       |
| A1149XPL-4.8     | 4,8                        |                        | 18                   | 62                   | 26                   | 4,8                         |
| A1149XPL-NO12    | 4,801                      | No. 12                 | 18                   | 62                   | 26                   | 4,801                       |
| A1149XPL-NO11    | 4,851                      | No. 11                 | 18                   | 62                   | 26                   | 4,851                       |
| A1149XPL-4.9     | 4,9                        |                        | 18                   | 62                   | 26                   | 4,9                         |
| A1149XPL-NO10    | 4,915                      | No. 10                 | 18                   | 62                   | 26                   | 4,915                       |
| A1149XPL-NO9     | 4,978                      | No. 09                 | 18                   | 62                   | 26                   | 4,978                       |
| A1149XPL-5       | 5                          |                        | 18                   | 62                   | 26                   | 5                           |
| A1149XPL-NO8     | 5,055                      | No. 08                 | 18                   | 62                   | 26                   | 5,055                       |
| A1149XPL-5.1     | 5,1                        |                        | 18                   | 62                   | 26                   | 5,1                         |
| A1149XPL-NO7     | 5,105                      | No. 07                 | 18                   | 62                   | 26                   | 5,105                       |
| A1149XPL-13/64IN | 5,159                      | 13/64"                 | 18                   | 62                   | 26                   | 5,159                       |
| A1149XPL-NO6     | 5,182                      | No. 06                 | 18                   | 62                   | 26                   | 5,182                       |
| A1149XPL-5.2     | 5,2                        |                        | 18                   | 62                   | 26                   | 5,2                         |
| A1149XPL-NO5     | 5,220                      | No. 05                 | 18                   | 62                   | 26                   | 5,22                        |
| A1149XPL-5.3     | 5,3                        |                        | 18                   | 62                   | 26                   | 5,3                         |
| A1149XPL-NO4     | 5,309                      | No. 04                 | 19                   | 66                   | 28                   | 5,309                       |
| A1149XPL-5.4     | 5,4                        |                        | 19                   | 66                   | 28                   | 5,4                         |
| A1149XPL-NO3     | 5,410                      | No. 03                 | 19                   | 66                   | 28                   | 5,41                        |
| A1149XPL-5.5     | 5,5                        |                        | 19                   | 66                   | 28                   | 5,5                         |
| A1149XPL-5.55    | 5,55                       |                        | 19                   | 66                   | 28                   | 5,55                        |
| A1149XPL-7/32IN  | 5,556                      | 7/32"                  | 19                   | 66                   | 28                   | 5,556                       |
| A1149XPL-5.6     | 5,6                        |                        | 19                   | 66                   | 28                   | 5,6                         |
| A1149XPL-NO2     | 5,613                      | No. 02                 | 19                   | 66                   | 28                   | 5,613                       |
| A1149XPL-5.7     | 5,7                        |                        | 19                   | 66                   | 28                   | 5,7                         |
| A1149XPL-NO1     | 5,791                      | No. 01                 | 19                   | 66                   | 28                   | 5,791                       |
| A1149XPL-5.8     | 5,8                        |                        | 19                   | 66                   | 28                   | 5,8                         |
| A1149XPL-5.9     | 5,9                        |                        | 19                   | 66                   | 28                   | 5,9                         |
| A1149XPL-LET.A   | 5,944                      | Let. A                 | 19                   | 66                   | 28                   | 5,944                       |
| A1149XPL-15/64IN | 5,953                      | 15/64"                 | 19                   | 66                   | 28                   | 5,953                       |
| A1149XPL-6       | 6                          |                        | 19                   | 66                   | 28                   | 6                           |
| A1149XPL-LET.B   | 6,045                      | Let. B                 | 20                   | 70                   | 31                   | 6,045                       |

## Инструмент



Cylindrical shank

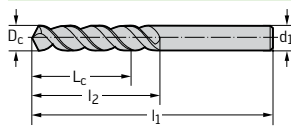
| Обозначение      | D <sub>c</sub><br>h8<br>мм | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>мм | l <sub>1</sub><br>мм | l <sub>2</sub><br>мм | d <sub>1</sub><br>f11<br>мм |
|------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------------|
| A1149XPL-6.1     | 6,1                        |                        | 20                   | 70                   | 31                   | 6,1                         |
| A1149XPL-LET.C   | 6,147                      | Let. C                 | 20                   | 70                   | 31                   | 6,147                       |
| A1149XPL-6.2     | 6,2                        |                        | 20                   | 70                   | 31                   | 6,2                         |
| A1149XPL-LET.D   | 6,248                      | Let. D                 | 20                   | 70                   | 31                   | 6,248                       |
| A1149XPL-6.3     | 6,3                        |                        | 20                   | 70                   | 31                   | 6,3                         |
| A1149XPL-1/4IN   | 6,350                      | 1/4"                   | 20                   | 70                   | 31                   | 6,35                        |
| A1149XPL-6.4     | 6,4                        |                        | 20                   | 70                   | 31                   | 6,4                         |
| A1149XPL-6.5     | 6,5                        |                        | 20                   | 70                   | 31                   | 6,5                         |
| A1149XPL-LET.F   | 6,528                      | Let. F                 | 20                   | 70                   | 31                   | 6,528                       |
| A1149XPL-6.6     | 6,6                        |                        | 20                   | 70                   | 31                   | 6,6                         |
| A1149XPL-LET.G   | 6,629                      | Let. G                 | 20                   | 70                   | 31                   | 6,629                       |
| A1149XPL-6.7     | 6,7                        |                        | 20                   | 70                   | 31                   | 6,7                         |
| A1149XPL-17/64IN | 6,747                      | 17/64"                 | 22                   | 74                   | 34                   | 6,747                       |
| A1149XPL-LET.H   | 6,756                      | Let. H                 | 22                   | 74                   | 34                   | 6,756                       |
| A1149XPL-6.8     | 6,8                        |                        | 22                   | 74                   | 34                   | 6,8                         |
| A1149XPL-6.9     | 6,9                        |                        | 22                   | 74                   | 34                   | 6,9                         |
| A1149XPL-LET.I   | 6,909                      | Let. I                 | 22                   | 74                   | 34                   | 6,909                       |
| A1149XPL-7       | 7                          |                        | 22                   | 74                   | 34                   | 7                           |
| A1149XPL-LET.J   | 7,036                      | Let. J                 | 22                   | 74                   | 34                   | 7,036                       |
| A1149XPL-7.1     | 7,1                        |                        | 22                   | 74                   | 34                   | 7,1                         |
| A1149XPL-LET.K   | 7,137                      | Let. K                 | 22                   | 74                   | 34                   | 7,137                       |
| A1149XPL-9/32IN  | 7,144                      | 9/32"                  | 22                   | 74                   | 34                   | 7,144                       |
| A1149XPL-7.2     | 7,2                        |                        | 22                   | 74                   | 34                   | 7,2                         |
| A1149XPL-7.3     | 7,3                        |                        | 22                   | 74                   | 34                   | 7,3                         |
| A1149XPL-LET.L   | 7,366                      | Let. L                 | 22                   | 74                   | 34                   | 7,366                       |
| A1149XPL-7.4     | 7,4                        |                        | 22                   | 74                   | 34                   | 7,4                         |
| A1149XPL-LET.M   | 7,493                      | Let. M                 | 22                   | 74                   | 34                   | 7,493                       |
| A1149XPL-7.5     | 7,5                        |                        | 22                   | 74                   | 34                   | 7,5                         |
| A1149XPL-19/64IN | 7,541                      | 19/64"                 | 24                   | 79                   | 37                   | 7,541                       |
| A1149XPL-7.6     | 7,6                        |                        | 24                   | 79                   | 37                   | 7,6                         |
| A1149XPL-LET.N   | 7,671                      | Let. N                 | 24                   | 79                   | 37                   | 7,671                       |
| A1149XPL-7.7     | 7,7                        |                        | 24                   | 79                   | 37                   | 7,7                         |
| A1149XPL-7.8     | 7,8                        |                        | 24                   | 79                   | 37                   | 7,8                         |
| A1149XPL-7.9     | 7,9                        |                        | 24                   | 79                   | 37                   | 7,9                         |
| A1149XPL-5/16IN  | 7,938                      | 5/16"                  | 24                   | 79                   | 37                   | 7,938                       |
| A1149XPL-8       | 8                          |                        | 24                   | 79                   | 37                   | 8                           |
| A1149XPL-LET.O   | 8,026                      | Let. O                 | 24                   | 79                   | 37                   | 8,026                       |
| A1149XPL-8.1     | 8,1                        |                        | 24                   | 79                   | 37                   | 8,1                         |
| A1149XPL-8.2     | 8,2                        |                        | 24                   | 79                   | 37                   | 8,2                         |
| A1149XPL-LET.P   | 8,204                      | Let. P                 | 24                   | 79                   | 37                   | 8,204                       |
| A1149XPL-8.3     | 8,3                        |                        | 24                   | 79                   | 37                   | 8,3                         |
| A1149XPL-21/64IN | 8,334                      | 21/64"                 | 24                   | 79                   | 37                   | 8,334                       |
| A1149XPL-8.4     | 8,4                        |                        | 24                   | 79                   | 37                   | 8,4                         |
| A1149XPL-LET.Q   | 8,433                      | Let. Q                 | 24                   | 79                   | 37                   | 8,433                       |
| A1149XPL-8.5     | 8,5                        |                        | 24                   | 79                   | 37                   | 8,5                         |
| A1149XPL-8.6     | 8,6                        |                        | 25                   | 84                   | 40                   | 8,6                         |

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●● Основная область применения ● Возможная область применения  
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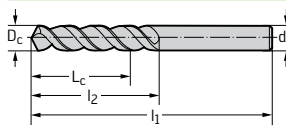
## Инструмент



Cylindrical shank

| Обозначение      | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------------|
| A1149XPL-LET.R   | 8,611                      | Let. R                 | 25                   | 84                   | 40                   | 8,611                       |
| A1149XPL-8.7     | 8,7                        |                        | 25                   | 84                   | 40                   | 8,7                         |
| A1149XPL-11/32IN | 8,731                      | 11/32"                 | 25                   | 84                   | 40                   | 8,731                       |
| A1149XPL-8.8     | 8,8                        |                        | 25                   | 84                   | 40                   | 8,8                         |
| A1149XPL-LET.S   | 8,839                      | Let. S                 | 25                   | 84                   | 40                   | 8,839                       |
| A1149XPL-8.9     | 8,9                        |                        | 25                   | 84                   | 40                   | 8,9                         |
| A1149XPL-9       | 9                          |                        | 25                   | 84                   | 40                   | 9                           |
| A1149XPL-LET.T   | 9,093                      | Let. T                 | 25                   | 84                   | 40                   | 9,093                       |
| A1149XPL-9.1     | 9,1                        |                        | 25                   | 84                   | 40                   | 9,1                         |
| A1149XPL-23/64IN | 9,128                      | 23/64"                 | 25                   | 84                   | 40                   | 9,128                       |
| A1149XPL-9.2     | 9,2                        |                        | 25                   | 84                   | 40                   | 9,2                         |
| A1149XPL-9.3     | 9,3                        |                        | 25                   | 84                   | 40                   | 9,3                         |
| A1149XPL-LET.U   | 9,347                      | Let. U                 | 25                   | 84                   | 40                   | 9,347                       |
| A1149XPL-9.4     | 9,4                        |                        | 25                   | 84                   | 40                   | 9,4                         |
| A1149XPL-9.5     | 9,5                        |                        | 25                   | 84                   | 40                   | 9,5                         |
| A1149XPL-3/8IN   | 9,525                      | 3/8"                   | 27                   | 89                   | 43                   | 9,525                       |
| A1149XPL-LET.V   | 9,576                      | Let. V                 | 27                   | 89                   | 43                   | 9,576                       |
| A1149XPL-9.6     | 9,6                        |                        | 27                   | 89                   | 43                   | 9,6                         |
| A1149XPL-9.7     | 9,7                        |                        | 27                   | 89                   | 43                   | 9,7                         |
| A1149XPL-9.8     | 9,8                        |                        | 27                   | 89                   | 43                   | 9,8                         |
| A1149XPL-LET.W   | 9,804                      | Let. W                 | 27                   | 89                   | 43                   | 9,804                       |
| A1149XPL-9.9     | 9,9                        |                        | 27                   | 89                   | 43                   | 9,9                         |
| A1149XPL-25/64IN | 9,922                      | 25/64"                 | 27                   | 89                   | 43                   | 9,922                       |
| A1149XPL-10      | 10                         |                        | 27                   | 89                   | 43                   | 10                          |
| A1149XPL-LET.X   | 10,084                     | Let. X                 | 27                   | 89                   | 43                   | 10,084                      |
| A1149XPL-10.2    | 10,2                       |                        | 27                   | 89                   | 43                   | 10,2                        |
| A1149XPL-LET.Y   | 10,262                     | Let. Y                 | 27                   | 89                   | 43                   | 10,262                      |
| A1149XPL-13/32IN | 10,319                     | 13/32"                 | 27                   | 89                   | 43                   | 10,319                      |
| A1149XPL-LET.Z   | 10,490                     | Let. Z                 | 27                   | 89                   | 43                   | 10,49                       |
| A1149XPL-10.5    | 10,5                       |                        | 27                   | 89                   | 43                   | 10,5                        |
| A1149XPL-27/64IN | 10,716                     | 27/64"                 | 29                   | 95                   | 47                   | 10,716                      |
| A1149XPL-10.8    | 10,8                       |                        | 29                   | 95                   | 47                   | 10,8                        |
| A1149XPL-11      | 11                         |                        | 29                   | 95                   | 47                   | 11                          |
| A1149XPL-7/16IN  | 11,113                     | 7/16"                  | 29                   | 95                   | 47                   | 11,113                      |
| A1149XPL-11.2    | 11,2                       |                        | 29                   | 95                   | 47                   | 11,2                        |
| A1149XPL-11.3    | 11,3                       |                        | 29                   | 95                   | 47                   | 11,3                        |
| A1149XPL-11.5    | 11,5                       |                        | 29                   | 95                   | 47                   | 11,5                        |
| A1149XPL-29/64IN | 11,509                     | 29/64"                 | 29                   | 95                   | 47                   | 11,509                      |
| A1149XPL-11.8    | 11,8                       |                        | 29                   | 95                   | 47                   | 11,8                        |
| A1149XPL-15/32IN | 11,906                     | 15/32"                 | 37                   | 102                  | 51                   | 11,906                      |
| A1149XPL-12      | 12                         |                        | 37                   | 102                  | 51                   | 12                          |
| A1149XPL-31/64IN | 12,303                     | 31/64"                 | 37                   | 102                  | 51                   | 12,303                      |
| A1149XPL-12.5    | 12,5                       |                        | 37                   | 102                  | 51                   | 12,5                        |
| A1149XPL-1/2IN   | 12,700                     | 1/2"                   | 37                   | 102                  | 51                   | 12,7                        |
| A1149XPL-12.8    | 12,8                       |                        | 37                   | 102                  | 51                   | 12,8                        |
| A1149XPL-13      | 13                         |                        | 37                   | 102                  | 51                   | 13                          |

## Инструмент



Cylindrical shank

| Обозначение      | D <sub>c</sub><br>h8<br>мм | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>мм | l <sub>1</sub><br>мм | l <sub>2</sub><br>мм | d <sub>1</sub><br>f11<br>мм |
|------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------------|
| A1149XPL-33/64IN | 13,097                     |                        | 37                   | 102                  | 51                   | 13,097                      |
| A1149XPL-13.1    | 13,1                       |                        | 37                   | 102                  | 51                   | 13,1                        |
| A1149XPL-13.3    | 13,3                       |                        | 40                   | 107                  | 54                   | 13,3                        |
| A1149XPL-17/32IN | 13,494                     | 17/32"                 | 40                   | 107                  | 54                   | 13,494                      |
| A1149XPL-13.5    | 13,5                       |                        | 40                   | 107                  | 54                   | 13,5                        |
| A1149XPL-35/64IN | 13,891                     |                        | 40                   | 107                  | 54                   | 13,891                      |
| A1149XPL-14      | 14                         |                        | 40                   | 107                  | 54                   | 14                          |
| A1149XPL-9/16IN  | 14,288                     | 9/16"                  | 41                   | 111                  | 56                   | 14,288                      |
| A1149XPL-14.5    | 14,5                       |                        | 41                   | 111                  | 56                   | 14,5                        |
| A1149XPL-37/64IN | 14,684                     | 37/64"                 | 41                   | 111                  | 56                   | 14,684                      |
| A1149XPL-15      | 15                         |                        | 41                   | 111                  | 56                   | 15                          |
| A1149XPL-19/32IN | 15,081                     | 19/32"                 | 42                   | 115                  | 58                   | 15,081                      |
| A1149XPL-15.1    | 15,1                       |                        | 42                   | 115                  | 58                   | 15,1                        |
| A1149XPL-15.3    | 15,3                       |                        | 42                   | 115                  | 58                   | 15,3                        |
| A1149XPL-39/64IN | 15,478                     | 39/64"                 | 42                   | 115                  | 58                   | 15,478                      |
| A1149XPL-15.5    | 15,5                       |                        | 42                   | 115                  | 58                   | 15,5                        |
| A1149XPL-5/8IN   | 15,875                     | 5/8"                   | 42                   | 115                  | 58                   | 15,875                      |
| A1149XPL-16      | 16                         |                        | 42                   | 115                  | 58                   | 16                          |
| A1149XPL-41/64IN | 16,272                     |                        | 43                   | 119                  | 60                   | 16,272                      |
| A1149XPL-16.5    | 16,5                       |                        | 43                   | 119                  | 60                   | 16,5                        |
| A1149XPL-21/32IN | 16,669                     |                        | 43                   | 119                  | 60                   | 16,669                      |
| A1149XPL-17      | 17                         |                        | 43                   | 119                  | 60                   | 17                          |
| A1149XPL-43/64IN | 17,066                     |                        | 44                   | 123                  | 62                   | 17,066                      |
| A1149XPL-11/16IN | 17,463                     |                        | 44                   | 123                  | 62                   | 17,463                      |
| A1149XPL-17.5    | 17,5                       |                        | 44                   | 123                  | 62                   | 17,5                        |
| A1149XPL-45/64IN | 17,859                     | 45/64"                 | 44                   | 123                  | 62                   | 17,859                      |
| A1149XPL-18      | 18                         |                        | 44                   | 123                  | 62                   | 18                          |
| A1149XPL-23/32IN | 18,256                     | 23/32"                 | 45                   | 127                  | 64                   | 18,256                      |
| A1149XPL-18.5    | 18,5                       |                        | 45                   | 127                  | 64                   | 18,5                        |
| A1149XPL-47/64IN | 18,653                     | 47/64"                 | 45                   | 127                  | 64                   | 18,653                      |
| A1149XPL-19      | 19                         |                        | 45                   | 127                  | 64                   | 19                          |
| A1149XPL-3/4IN   | 19,050                     | 3/4"                   | 46                   | 131                  | 66                   | 19,05                       |
| A1149XPL-19.5    | 19,5                       |                        | 46                   | 131                  | 66                   | 19,5                        |
| A1149XPL-20      | 20                         |                        | 46                   | 131                  | 66                   | 20                          |

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WALTER  
SELECT

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условия обработки

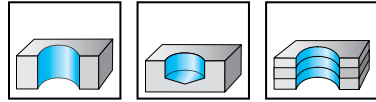
☺ ☹ ☹ / \* = Новый инструмент

Свёрла быстрорежущие В 335

# Свёрла спиральные HSS-E, особо короткое исполнение

## A1154TFT

### VA Inox



B1

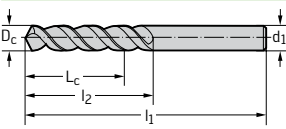
|     |   |    |   |    |   |   |   |
|-----|---|----|---|----|---|---|---|
|     | P | M  | K | N  | S | H | O |
| TFT | ● | ●● | ● | ●● | ● | ● | ● |

| Инструмент               | Обозначение   | D <sub>c</sub><br>h8<br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|--------------------------|---------------|----------------------------|----------------------|----------------------|----------------------|-----------------------------|
| <p>Cylindrical shank</p> | A1154TFT-2    | 2                          | 8                    | 38                   | 12                   | 2                           |
|                          | A1154TFT-2.1  | 2.1                        | 8                    | 38                   | 12                   | 2.1                         |
|                          | A1154TFT-2.2  | 2.2                        | 9                    | 40                   | 13                   | 2.2                         |
|                          | A1154TFT-2.3  | 2.3                        | 9                    | 40                   | 13                   | 2.3                         |
|                          | A1154TFT-2.4  | 2.4                        | 10                   | 43                   | 14                   | 2.4                         |
|                          | A1154TFT-2.5  | 2.5                        | 10                   | 43                   | 14                   | 2.5                         |
|                          | A1154TFT-2.6  | 2.6                        | 10                   | 43                   | 14                   | 2.6                         |
|                          | A1154TFT-2.7  | 2.7                        | 11                   | 46                   | 16                   | 2.7                         |
|                          | A1154TFT-2.8  | 2.8                        | 11                   | 46                   | 16                   | 2.8                         |
|                          | A1154TFT-2.9  | 2.9                        | 11                   | 46                   | 16                   | 2.9                         |
|                          | A1154TFT-3    | 3                          | 11                   | 46                   | 16                   | 3                           |
|                          | A1154TFT-3.1  | 3.1                        | 12                   | 49                   | 18                   | 3.1                         |
|                          | A1154TFT-3.2  | 3.2                        | 12                   | 49                   | 18                   | 3.2                         |
|                          | A1154TFT-3.3  | 3.3                        | 12                   | 49                   | 18                   | 3.3                         |
|                          | A1154TFT-3.4  | 3.4                        | 14                   | 52                   | 20                   | 3.4                         |
|                          | A1154TFT-3.5  | 3.5                        | 14                   | 52                   | 20                   | 3.5                         |
|                          | A1154TFT-3.6  | 3.6                        | 14                   | 52                   | 20                   | 3.6                         |
|                          | A1154TFT-3.7  | 3.7                        | 14                   | 52                   | 20                   | 3.7                         |
|                          | A1154TFT-3.8  | 3.8                        | 15                   | 55                   | 22                   | 3.8                         |
|                          | A1154TFT-3.9  | 3.9                        | 15                   | 55                   | 22                   | 3.9                         |
|                          | A1154TFT-4    | 4                          | 15                   | 55                   | 22                   | 4                           |
|                          | A1154TFT-4.1  | 4.1                        | 15                   | 55                   | 22                   | 4.1                         |
|                          | A1154TFT-4.2  | 4.2                        | 15                   | 55                   | 22                   | 4.2                         |
|                          | A1154TFT-4.3  | 4.3                        | 16                   | 58                   | 24                   | 4.3                         |
|                          | A1154TFT-4.4  | 4.4                        | 16                   | 58                   | 24                   | 4.4                         |
|                          | A1154TFT-4.5  | 4.5                        | 16                   | 58                   | 24                   | 4.5                         |
|                          | A1154TFT-4.6  | 4.6                        | 16                   | 58                   | 24                   | 4.6                         |
|                          | A1154TFT-4.65 | 4.65                       | 16                   | 58                   | 24                   | 4.65                        |
|                          | A1154TFT-4.7  | 4.7                        | 16                   | 58                   | 24                   | 4.7                         |
|                          | A1154TFT-4.8  | 4.8                        | 18                   | 62                   | 26                   | 4.8                         |
|                          | A1154TFT-4.9  | 4.9                        | 18                   | 62                   | 26                   | 4.9                         |
|                          | A1154TFT-5    | 5                          | 18                   | 62                   | 26                   | 5                           |
| A1154TFT-5.1             | 5.1           | 18                         | 62                   | 26                   | 5.1                  |                             |
| A1154TFT-5.2             | 5.2           | 18                         | 62                   | 26                   | 5.2                  |                             |
| A1154TFT-5.3             | 5.3           | 18                         | 62                   | 26                   | 5.3                  |                             |
| A1154TFT-5.4             | 5.4           | 19                         | 66                   | 28                   | 5.4                  |                             |

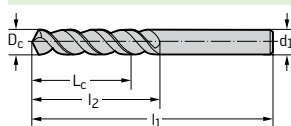
**WALTER  
SELECT**

●● Основная область применения    ● Возможная область применения  
 Оптимально подходит для → хороших = 😊 → нормальных = 😐 → неблагоприятных = ☹️ условий обработки



| Инструмент   | Обозначение   | D <sub>c</sub><br>h8<br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|--|---------------|----------------------------|----------------------|----------------------|----------------------|-----------------------------|
|  <p>Cylindrical shank</p> | A1154TFT-5.5  | 5,5                        | 19                   | 66                   | 28                   | 5,5                         |
|  | A1154TFT-5.55 | 5,55                       | 19                   | 66                   | 28                   | 5,55                        |
|  | A1154TFT-5.6  | 5,6                        | 19                   | 66                   | 28                   | 5,6                         |
|  | A1154TFT-5.7  | 5,7                        | 19                   | 66                   | 28                   | 5,7                         |
|  | A1154TFT-5.8  | 5,8                        | 19                   | 66                   | 28                   | 5,8                         |
|  | A1154TFT-5.9  | 5,9                        | 19                   | 66                   | 28                   | 5,9                         |
|  | A1154TFT-6    | 6                          | 19                   | 66                   | 28                   | 6                           |
|  | A1154TFT-6.1  | 6,1                        | 20                   | 70                   | 31                   | 6,1                         |
|  | A1154TFT-6.2  | 6,2                        | 20                   | 70                   | 31                   | 6,2                         |
|  | A1154TFT-6.3  | 6,3                        | 20                   | 70                   | 31                   | 6,3                         |
|  | A1154TFT-6.4  | 6,4                        | 20                   | 70                   | 31                   | 6,4                         |
|  | A1154TFT-6.5  | 6,5                        | 20                   | 70                   | 31                   | 6,5                         |
|  | A1154TFT-6.6  | 6,6                        | 20                   | 70                   | 31                   | 6,6                         |
|  | A1154TFT-6.7  | 6,7                        | 20                   | 70                   | 31                   | 6,7                         |
|  | A1154TFT-6.8  | 6,8                        | 22                   | 74                   | 34                   | 6,8                         |
|  | A1154TFT-6.9  | 6,9                        | 22                   | 74                   | 34                   | 6,9                         |
|  | A1154TFT-7    | 7                          | 22                   | 74                   | 34                   | 7                           |
|  | A1154TFT-7.1  | 7,1                        | 22                   | 74                   | 34                   | 7,1                         |
|  | A1154TFT-7.2  | 7,2                        | 22                   | 74                   | 34                   | 7,2                         |
|  | A1154TFT-7.3  | 7,3                        | 22                   | 74                   | 34                   | 7,3                         |
|  | A1154TFT-7.4  | 7,4                        | 22                   | 74                   | 34                   | 7,4                         |
|  | A1154TFT-7.5  | 7,5                        | 22                   | 74                   | 34                   | 7,5                         |
|  | A1154TFT-7.6  | 7,6                        | 24                   | 79                   | 37                   | 7,6                         |
|  | A1154TFT-7.7  | 7,7                        | 24                   | 79                   | 37                   | 7,7                         |
|  | A1154TFT-7.8  | 7,8                        | 24                   | 79                   | 37                   | 7,8                         |
|  | A1154TFT-7.9  | 7,9                        | 24                   | 79                   | 37                   | 7,9                         |
|  | A1154TFT-8    | 8                          | 24                   | 79                   | 37                   | 8                           |
|  | A1154TFT-8.1  | 8,1                        | 24                   | 79                   | 37                   | 8,1                         |
|  | A1154TFT-8.2  | 8,2                        | 24                   | 79                   | 37                   | 8,2                         |
| A1154TFT-8.3   | 8,3           | 24                         | 79                   | 37                   | 8,3                  |                             |
| A1154TFT-8.4   | 8,4           | 24                         | 79                   | 37                   | 8,4                  |                             |
| A1154TFT-8.5   | 8,5           | 24                         | 79                   | 37                   | 8,5                  |                             |
| A1154TFT-8.6   | 8,6           | 25                         | 84                   | 40                   | 8,6                  |                             |
| A1154TFT-8.7   | 8,7           | 25                         | 84                   | 40                   | 8,7                  |                             |
| A1154TFT-8.8   | 8,8           | 25                         | 84                   | 40                   | 8,8                  |                             |
| A1154TFT-8.9   | 8,9           | 25                         | 84                   | 40                   | 8,9                  |                             |
| A1154TFT-9   | 9             | 25                         | 84                   | 40                   | 9                    |                             |
| A1154TFT-9.1   | 9,1           | 25                         | 84                   | 40                   | 9,1                  |                             |
| A1154TFT-9.2   | 9,2           | 25                         | 84                   | 40                   | 9,2                  |                             |
| A1154TFT-9.3   | 9,3           | 25                         | 84                   | 40                   | 9,3                  |                             |
| A1154TFT-9.4   | 9,4           | 25                         | 84                   | 40                   | 9,4                  |                             |
| A1154TFT-9.5   | 9,5           | 25                         | 84                   | 40                   | 9,5                  |                             |
| A1154TFT-9.6   | 9,6           | 27                         | 89                   | 43                   | 9,6                  |                             |
| A1154TFT-9.7   | 9,7           | 27                         | 89                   | 43                   | 9,7                  |                             |
| A1154TFT-9.8   | 9,8           | 27                         | 89                   | 43                   | 9,8                  |                             |
| A1154TFT-9.9   | 9,9           | 27                         | 89                   | 43                   | 9,9                  |                             |

## Инструмент



Cylindrical shank

| Обозначение   | D <sub>c</sub><br>h8<br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|---------------|----------------------------|----------------------|----------------------|----------------------|-----------------------------|
| A1154TFT-10   | 10                         | 27                   | 89                   | 43                   | 10                          |
| A1154TFT-10.2 | 10,2                       | 27                   | 89                   | 43                   | 10,2                        |
| A1154TFT-10.3 | 10,3                       | 27                   | 89                   | 43                   | 10,3                        |
| A1154TFT-10.5 | 10,5                       | 27                   | 89                   | 43                   | 10,5                        |
| A1154TFT-10.6 | 10,6                       | 27                   | 89                   | 43                   | 10,6                        |
| A1154TFT-10.7 | 10,7                       | 29                   | 95                   | 47                   | 10,7                        |
| A1154TFT-10.8 | 10,8                       | 29                   | 95                   | 47                   | 10,8                        |
| A1154TFT-10.9 | 10,9                       | 29                   | 95                   | 47                   | 10,9                        |
| A1154TFT-11   | 11                         | 29                   | 95                   | 47                   | 11                          |
| A1154TFT-11.1 | 11,1                       | 29                   | 95                   | 47                   | 11,1                        |
| A1154TFT-11.2 | 11,2                       | 29                   | 95                   | 47                   | 11,2                        |
| A1154TFT-11.3 | 11,3                       | 29                   | 95                   | 47                   | 11,3                        |
| A1154TFT-11.5 | 11,5                       | 29                   | 95                   | 47                   | 11,5                        |
| A1154TFT-11.6 | 11,6                       | 29                   | 95                   | 47                   | 11,6                        |
| A1154TFT-11.8 | 11,8                       | 29                   | 95                   | 47                   | 11,8                        |
| A1154TFT-11.9 | 11,9                       | 37                   | 102                  | 51                   | 11,9                        |
| A1154TFT-12   | 12                         | 37                   | 102                  | 51                   | 12                          |
| A1154TFT-12.1 | 12,1                       | 37                   | 102                  | 51                   | 12,1                        |
| A1154TFT-12.3 | 12,3                       | 37                   | 102                  | 51                   | 12,3                        |
| A1154TFT-12.5 | 12,5                       | 37                   | 102                  | 51                   | 12,5                        |
| A1154TFT-12.6 | 12,6                       | 37                   | 102                  | 51                   | 12,6                        |
| A1154TFT-12.7 | 12,700                     | 37                   | 102                  | 51                   | 12,7                        |
| A1154TFT-13   | 13                         | 37                   | 102                  | 51                   | 13                          |
| A1154TFT-13.1 | 13,1                       | 37                   | 102                  | 51                   | 13,1                        |
| A1154TFT-13.2 | 13,2                       | 37                   | 102                  | 51                   | 13,2                        |
| A1154TFT-13.3 | 13,3                       | 40                   | 107                  | 54                   | 13,3                        |
| A1154TFT-13.4 | 13,4                       | 40                   | 107                  | 54                   | 13,4                        |
| A1154TFT-13.5 | 13,5                       | 40                   | 107                  | 54                   | 13,5                        |
| A1154TFT-13.6 | 13,6                       | 40                   | 107                  | 54                   | 13,6                        |
| A1154TFT-14   | 14                         | 40                   | 107                  | 54                   | 14                          |
| A1154TFT-14.1 | 14,1                       | 41                   | 111                  | 56                   | 14,1                        |
| A1154TFT-14.2 | 14,2                       | 41                   | 111                  | 56                   | 14,2                        |
| A1154TFT-14.5 | 14,5                       | 41                   | 111                  | 56                   | 14,5                        |
| A1154TFT-14.8 | 14,8                       | 41                   | 111                  | 56                   | 14,8                        |
| A1154TFT-15   | 15                         | 41                   | 111                  | 56                   | 15                          |
| A1154TFT-15.1 | 15,1                       | 42                   | 115                  | 58                   | 15,1                        |
| A1154TFT-15.2 | 15,2                       | 42                   | 115                  | 58                   | 15,2                        |
| A1154TFT-15.3 | 15,3                       | 42                   | 115                  | 58                   | 15,3                        |
| A1154TFT-15.5 | 15,5                       | 42                   | 115                  | 58                   | 15,5                        |
| A1154TFT-15.8 | 15,8                       | 42                   | 115                  | 58                   | 15,8                        |
| A1154TFT-16   | 16                         | 42                   | 115                  | 58                   | 16                          |

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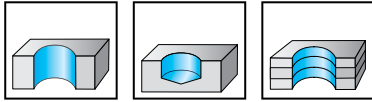
# Свёрла спиральные HSS-E, особо короткое исполнение

## A1148

### UFL®



– До 1,9 мм – без покрытия



|              |    |    |    |    |    |   |   |
|--------------|----|----|----|----|----|---|---|
|              | P  | M  | K  | N  | S  | H | O |
| без покрытия | ●● | ●● | ●● | ●● | ●● |   | ● |

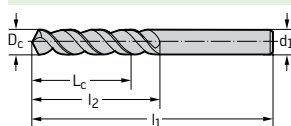
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| Инструмент               | Обозначение  | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|--------------------------|--------------|----------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------------|
| <p>Cylindrical shank</p> | A1148-1      | 1                          |                        | 4                    | 26                   | 6                    | 1                           |
|                          | A1148-N060   | 1,016                      | No. 60                 | 4                    | 26                   | 6                    | 1,016                       |
|                          | A1148-N059   | 1,041                      | No. 59                 | 4                    | 26                   | 6                    | 1,041                       |
|                          | A1148-N058   | 1,067                      | No. 58                 | 5                    | 28                   | 7                    | 1,067                       |
|                          | A1148-N057   | 1,092                      | No. 57                 | 5                    | 28                   | 7                    | 1,092                       |
|                          | A1148-1.1    | 1,1                        |                        | 5                    | 28                   | 7                    | 1,1                         |
|                          | A1148-N056   | 1,181                      | No. 56                 | 6                    | 30                   | 8                    | 1,181                       |
|                          | A1148-3/64IN | 1,191                      | 3/64"                  | 6                    | 30                   | 8                    | 1,191                       |
|                          | A1148-1.2    | 1,2                        |                        | 6                    | 30                   | 8                    | 1,2                         |
|                          | A1148-1.3    | 1,3                        |                        | 6                    | 30                   | 8                    | 1,3                         |
|                          | A1148-N055   | 1,321                      | No. 55                 | 6                    | 32                   | 9                    | 1,321                       |
|                          | A1148-N054   | 1,397                      | No. 54                 | 6                    | 32                   | 9                    | 1,397                       |
|                          | A1148-1.4    | 1,4                        |                        | 6                    | 32                   | 9                    | 1,4                         |
|                          | A1148-1.5    | 1,5                        |                        | 6                    | 32                   | 9                    | 1,5                         |
|                          | A1148-N053   | 1,511                      | No. 53                 | 7                    | 34                   | 10                   | 1,511                       |
|                          | A1148-1/16IN | 1,588                      | 1/16"                  | 7                    | 34                   | 10                   | 1,588                       |
|                          | A1148-1.6    | 1,6                        |                        | 7                    | 34                   | 10                   | 1,6                         |
|                          | A1148-N052   | 1,613                      | No. 52                 | 7                    | 34                   | 10                   | 1,613                       |
|                          | A1148-1.7    | 1,7                        |                        | 7                    | 34                   | 10                   | 1,7                         |
|                          | A1148-N051   | 1,702                      | No. 51                 | 8                    | 36                   | 11                   | 1,702                       |
|                          | A1148-N050   | 1,778                      | No. 50                 | 8                    | 36                   | 11                   | 1,778                       |
|                          | A1148-1.8    | 1,8                        |                        | 8                    | 36                   | 11                   | 1,8                         |
|                          | A1148-N049   | 1,854                      | No. 49                 | 8                    | 36                   | 11                   | 1,854                       |
|                          | A1148-1.9    | 1,9                        |                        | 8                    | 36                   | 11                   | 1,9                         |
|                          | A1148-N048   | 1,930                      | No. 48                 | 8                    | 38                   | 12                   | 1,93                        |
|                          | A1148-5/64IN | 1,984                      | 5/64"                  | 8                    | 38                   | 12                   | 1,984                       |
|                          | A1148-N047   | 1,994                      | No. 47                 | 8                    | 38                   | 12                   | 1,994                       |
|                          | A1148-2      | 2                          |                        | 8                    | 38                   | 12                   | 2                           |
|                          | A1148-N046   | 2,057                      | No. 46                 | 8                    | 38                   | 12                   | 2,057                       |
|                          | A1148-N045   | 2,083                      | No. 45                 | 8                    | 38                   | 12                   | 2,083                       |
|                          | A1148-2.1    | 2,1                        |                        | 8                    | 38                   | 12                   | 2,1                         |
|                          | A1148-N044   | 2,184                      | No. 44                 | 9                    | 40                   | 13                   | 2,184                       |
| A1148-2.2                | 2,2          |                            | 9                      | 40                   | 13                   | 2,2                  |                             |
| A1148-N043               | 2,261        | No. 43                     | 9                      | 40                   | 13                   | 2,261                |                             |
| A1148-2.3                | 2,3          |                            | 9                      | 40                   | 13                   | 2,3                  |                             |
| A1148-N042               | 2,375        | No. 42                     | 10                     | 43                   | 14                   | 2,375                |                             |

**WALTER  
SELECT**

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

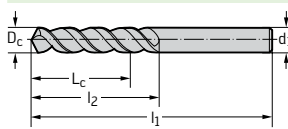
## Инструмент



Cylindrical shank

| Обозначение  | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|--------------|----------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------------|
| A1148-3/32IN | 2,381                      | 3/32"                  | 10                   | 43                   | 14                   | 2,381                       |
| A1148-2.4    | 2,4                        |                        | 10                   | 43                   | 14                   | 2,4                         |
| A1148-N041   | 2,438                      | No. 41                 | 10                   | 43                   | 14                   | 2,438                       |
| A1148-N040   | 2,489                      | No. 40                 | 10                   | 43                   | 14                   | 2,489                       |
| A1148-2.5    | 2,5                        |                        | 10                   | 43                   | 14                   | 2,5                         |
| A1148-N039   | 2,527                      | No. 39                 | 10                   | 43                   | 14                   | 2,527                       |
| A1148-N038   | 2,578                      | No. 38                 | 10                   | 43                   | 14                   | 2,578                       |
| A1148-2.6    | 2,6                        |                        | 10                   | 43                   | 14                   | 2,6                         |
| A1148-N037   | 2,642                      | No. 37                 | 10                   | 43                   | 14                   | 2,642                       |
| A1148-2.7    | 2,7                        |                        | 11                   | 46                   | 16                   | 2,7                         |
| A1148-N036   | 2,705                      | No. 36                 | 11                   | 46                   | 16                   | 2,705                       |
| A1148-7/64IN | 2,778                      | 7/64"                  | 11                   | 46                   | 16                   | 2,778                       |
| A1148-N035   | 2,794                      | No. 35                 | 11                   | 46                   | 16                   | 2,794                       |
| A1148-2.8    | 2,8                        |                        | 11                   | 46                   | 16                   | 2,8                         |
| A1148-N034   | 2,819                      | No. 34                 | 11                   | 46                   | 16                   | 2,819                       |
| A1148-N033   | 2,870                      | No. 33                 | 11                   | 46                   | 16                   | 2,87                        |
| A1148-2.9    | 2,9                        |                        | 11                   | 46                   | 16                   | 2,9                         |
| A1148-N032   | 2,946                      | No. 32                 | 11                   | 46                   | 16                   | 2,946                       |
| A1148-3      | 3                          |                        | 11                   | 46                   | 16                   | 3                           |
| A1148-N031   | 3,048                      | No. 31                 | 12                   | 49                   | 18                   | 3,048                       |
| A1148-3.1    | 3,1                        |                        | 12                   | 49                   | 18                   | 3,1                         |
| A1148-1/8IN  | 3,175                      | 1/8"                   | 12                   | 49                   | 18                   | 3,175                       |
| A1148-3.2    | 3,2                        |                        | 12                   | 49                   | 18                   | 3,2                         |
| A1148-N030   | 3,264                      | No. 30                 | 12                   | 49                   | 18                   | 3,264                       |
| A1148-3.3    | 3,3                        |                        | 12                   | 49                   | 18                   | 3,3                         |
| A1148-3.4    | 3,4                        |                        | 14                   | 52                   | 20                   | 3,4                         |
| A1148-N029   | 3,454                      | No. 29                 | 14                   | 52                   | 20                   | 3,454                       |
| A1148-3.5    | 3,5                        |                        | 14                   | 52                   | 20                   | 3,5                         |
| A1148-N028   | 3,569                      | No. 28                 | 14                   | 52                   | 20                   | 3,569                       |
| A1148-9/64IN | 3,572                      | 9/64"                  | 14                   | 52                   | 20                   | 3,572                       |
| A1148-3.6    | 3,6                        |                        | 14                   | 52                   | 20                   | 3,6                         |
| A1148-N027   | 3,658                      | No. 27                 | 14                   | 52                   | 20                   | 3,658                       |
| A1148-3.7    | 3,7                        |                        | 14                   | 52                   | 20                   | 3,7                         |
| A1148-N026   | 3,734                      | No. 26                 | 14                   | 52                   | 20                   | 3,734                       |
| A1148-N025   | 3,797                      | No. 25                 | 15                   | 55                   | 22                   | 3,797                       |
| A1148-3.8    | 3,8                        |                        | 15                   | 55                   | 22                   | 3,8                         |
| A1148-N024   | 3,861                      | No. 24                 | 15                   | 55                   | 22                   | 3,861                       |
| A1148-3.9    | 3,9                        |                        | 15                   | 55                   | 22                   | 3,9                         |
| A1148-N023   | 3,912                      | No. 23                 | 15                   | 55                   | 22                   | 3,912                       |
| A1148-5/32IN | 3,969                      | 5/32"                  | 15                   | 55                   | 22                   | 3,969                       |
| A1148-N022   | 3,988                      | No. 22                 | 15                   | 55                   | 22                   | 3,988                       |
| A1148-4      | 4                          |                        | 15                   | 55                   | 22                   | 4                           |
| A1148-N021   | 4,039                      | No. 21                 | 15                   | 55                   | 22                   | 4,039                       |
| A1148-N020   | 4,089                      | No. 20                 | 15                   | 55                   | 22                   | 4,089                       |
| A1148-4.1    | 4,1                        |                        | 15                   | 55                   | 22                   | 4,1                         |
| A1148-4.2    | 4,2                        |                        | 15                   | 55                   | 22                   | 4,2                         |

## Инструмент



Cylindrical shank

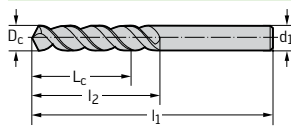
| Обозначение   | D <sub>c</sub><br>h8<br>мм | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>мм | l <sub>1</sub><br>мм | l <sub>2</sub><br>мм | d <sub>1</sub><br>f11<br>мм |
|---------------|----------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------------|
| A1148-NO19    | 4,216                      | No. 19                 | 15                   | 55                   | 22                   | 4,216                       |
| A1148-4.3     | 4,3                        |                        | 16                   | 58                   | 24                   | 4,3                         |
| A1148-NO18    | 4,305                      | No. 18                 | 16                   | 58                   | 24                   | 4,305                       |
| A1148-11/64IN | 4,366                      | 11/64"                 | 16                   | 58                   | 24                   | 4,366                       |
| A1148-NO17    | 4,394                      | No. 17                 | 16                   | 58                   | 24                   | 4,394                       |
| A1148-4.4     | 4,4                        |                        | 16                   | 58                   | 24                   | 4,4                         |
| A1148-NO16    | 4,496                      | No. 16                 | 16                   | 58                   | 24                   | 4,496                       |
| A1148-4.5     | 4,5                        |                        | 16                   | 58                   | 24                   | 4,5                         |
| A1148-NO15    | 4,572                      | No. 15                 | 16                   | 58                   | 24                   | 4,572                       |
| A1148-4.6     | 4,6                        |                        | 16                   | 58                   | 24                   | 4,6                         |
| A1148-NO14    | 4,623                      | No. 14                 | 16                   | 58                   | 24                   | 4,623                       |
| A1148-NO13    | 4,699                      | No. 13                 | 16                   | 58                   | 24                   | 4,699                       |
| A1148-4.7     | 4,7                        |                        | 16                   | 58                   | 24                   | 4,7                         |
| A1148-3/16IN  | 4,763                      | 3/16"                  | 18                   | 62                   | 26                   | 4,763                       |
| A1148-4.8     | 4,8                        |                        | 18                   | 62                   | 26                   | 4,8                         |
| A1148-NO12    | 4,801                      | No. 12                 | 18                   | 62                   | 26                   | 4,801                       |
| A1148-NO11    | 4,851                      | No. 11                 | 18                   | 62                   | 26                   | 4,851                       |
| A1148-4.9     | 4,9                        |                        | 18                   | 62                   | 26                   | 4,9                         |
| A1148-NO10    | 4,915                      | No. 10                 | 18                   | 62                   | 26                   | 4,915                       |
| A1148-NO9     | 4,978                      | No. 09                 | 18                   | 62                   | 26                   | 4,978                       |
| A1148-5       | 5                          |                        | 18                   | 62                   | 26                   | 5                           |
| A1148-NO8     | 5,055                      | No. 08                 | 18                   | 62                   | 26                   | 5,055                       |
| A1148-5.1     | 5,1                        |                        | 18                   | 62                   | 26                   | 5,1                         |
| A1148-NO7     | 5,105                      | No. 07                 | 18                   | 62                   | 26                   | 5,105                       |
| A1148-13/64IN | 5,159                      | 13/64"                 | 18                   | 62                   | 26                   | 5,159                       |
| A1148-NO6     | 5,182                      | No. 06                 | 18                   | 62                   | 26                   | 5,182                       |
| A1148-5.2     | 5,2                        |                        | 18                   | 62                   | 26                   | 5,2                         |
| A1148-NO5     | 5,220                      | No. 05                 | 18                   | 62                   | 26                   | 5,22                        |
| A1148-5.3     | 5,3                        |                        | 18                   | 62                   | 26                   | 5,3                         |
| A1148-NO4     | 5,309                      | No. 04                 | 19                   | 66                   | 28                   | 5,309                       |
| A1148-5.4     | 5,4                        |                        | 19                   | 66                   | 28                   | 5,4                         |
| A1148-NO3     | 5,410                      | No. 03                 | 19                   | 66                   | 28                   | 5,41                        |
| A1148-5.5     | 5,5                        |                        | 19                   | 66                   | 28                   | 5,5                         |
| A1148-7/32IN  | 5,556                      | 7/32"                  | 19                   | 66                   | 28                   | 5,556                       |
| A1148-5.6     | 5,6                        |                        | 19                   | 66                   | 28                   | 5,6                         |
| A1148-NO2     | 5,613                      | No. 02                 | 19                   | 66                   | 28                   | 5,613                       |
| A1148-5.7     | 5,7                        |                        | 19                   | 66                   | 28                   | 5,7                         |
| A1148-NO1     | 5,791                      | No. 01                 | 19                   | 66                   | 28                   | 5,791                       |
| A1148-5.8     | 5,8                        |                        | 19                   | 66                   | 28                   | 5,8                         |
| A1148-5.9     | 5,9                        |                        | 19                   | 66                   | 28                   | 5,9                         |
| A1148-LET.A   | 5,944                      | Let. A                 | 19                   | 66                   | 28                   | 5,944                       |
| A1148-15/64IN | 5,953                      | 15/64"                 | 19                   | 66                   | 28                   | 5,953                       |
| A1148-6       | 6                          |                        | 19                   | 66                   | 28                   | 6                           |
| A1148-LET.B   | 6,045                      | Let. B                 | 20                   | 70                   | 31                   | 6,045                       |
| A1148-6.1     | 6,1                        |                        | 20                   | 70                   | 31                   | 6,1                         |
| A1148-LET.C   | 6,147                      | Let. C                 | 20                   | 70                   | 31                   | 6,147                       |

B1

WALTER  
SELECT

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

## Инструмент

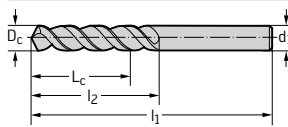


Cylindrical shank

| Обозначение   | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|---------------|----------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------------|
| A1148-6.2     | 6,2                        |                        | 20                   | 70                   | 31                   | 6,2                         |
| A1148-LET.D   | 6,248                      | Let. D                 | 20                   | 70                   | 31                   | 6,248                       |
| A1148-6.3     | 6,3                        |                        | 20                   | 70                   | 31                   | 6,3                         |
| A1148-1/4IN   | 6,350                      | 1/4"                   | 20                   | 70                   | 31                   | 6,35                        |
| A1148-6.4     | 6,4                        |                        | 20                   | 70                   | 31                   | 6,4                         |
| A1148-6.5     | 6,5                        |                        | 20                   | 70                   | 31                   | 6,5                         |
| A1148-LET.F   | 6,528                      | Let. F                 | 20                   | 70                   | 31                   | 6,528                       |
| A1148-6.6     | 6,6                        |                        | 20                   | 70                   | 31                   | 6,6                         |
| A1148-LET.G   | 6,629                      | Let. G                 | 20                   | 70                   | 31                   | 6,629                       |
| A1148-6.7     | 6,7                        |                        | 20                   | 70                   | 31                   | 6,7                         |
| A1148-17/64IN | 6,747                      | 17/64"                 | 22                   | 74                   | 34                   | 6,747                       |
| A1148-LET.H   | 6,756                      | Let. H                 | 22                   | 74                   | 34                   | 6,756                       |
| A1148-6.8     | 6,8                        |                        | 22                   | 74                   | 34                   | 6,8                         |
| A1148-6.9     | 6,9                        |                        | 22                   | 74                   | 34                   | 6,9                         |
| A1148-LET.I   | 6,909                      | Let. I                 | 22                   | 74                   | 34                   | 6,909                       |
| A1148-7       | 7                          |                        | 22                   | 74                   | 34                   | 7                           |
| A1148-LET.J   | 7,036                      | Let. J                 | 22                   | 74                   | 34                   | 7,036                       |
| A1148-7.1     | 7,1                        |                        | 22                   | 74                   | 34                   | 7,1                         |
| A1148-LET.K   | 7,137                      | Let. K                 | 22                   | 74                   | 34                   | 7,137                       |
| A1148-9/32IN  | 7,144                      | 9/32"                  | 22                   | 74                   | 34                   | 7,144                       |
| A1148-7.2     | 7,2                        |                        | 22                   | 74                   | 34                   | 7,2                         |
| A1148-7.3     | 7,3                        |                        | 22                   | 74                   | 34                   | 7,3                         |
| A1148-LET.L   | 7,366                      | Let. L                 | 22                   | 74                   | 34                   | 7,366                       |
| A1148-7.4     | 7,4                        |                        | 22                   | 74                   | 34                   | 7,4                         |
| A1148-LET.M   | 7,493                      | Let. M                 | 22                   | 74                   | 34                   | 7,493                       |
| A1148-7.5     | 7,5                        |                        | 22                   | 74                   | 34                   | 7,5                         |
| A1148-19/64IN | 7,541                      | 19/64"                 | 24                   | 79                   | 37                   | 7,541                       |
| A1148-7.6     | 7,6                        |                        | 24                   | 79                   | 37                   | 7,6                         |
| A1148-LET.N   | 7,671                      | Let. N                 | 24                   | 79                   | 37                   | 7,671                       |
| A1148-7.7     | 7,7                        |                        | 24                   | 79                   | 37                   | 7,7                         |
| A1148-7.8     | 7,8                        |                        | 24                   | 79                   | 37                   | 7,8                         |
| A1148-7.9     | 7,9                        |                        | 24                   | 79                   | 37                   | 7,9                         |
| A1148-5/16IN  | 7,938                      | 5/16"                  | 24                   | 79                   | 37                   | 7,938                       |
| A1148-8       | 8                          |                        | 24                   | 79                   | 37                   | 8                           |
| A1148-LET.O   | 8,026                      | Let. O                 | 24                   | 79                   | 37                   | 8,026                       |
| A1148-8.1     | 8,1                        |                        | 24                   | 79                   | 37                   | 8,1                         |
| A1148-8.2     | 8,2                        |                        | 24                   | 79                   | 37                   | 8,2                         |
| A1148-LET.P   | 8,204                      | Let. P                 | 24                   | 79                   | 37                   | 8,204                       |
| A1148-8.3     | 8,3                        |                        | 24                   | 79                   | 37                   | 8,3                         |
| A1148-21/64IN | 8,334                      | 21/64"                 | 24                   | 79                   | 37                   | 8,334                       |
| A1148-8.4     | 8,4                        |                        | 24                   | 79                   | 37                   | 8,4                         |
| A1148-LET.Q   | 8,433                      | Let. Q                 | 24                   | 79                   | 37                   | 8,433                       |
| A1148-8.5     | 8,5                        |                        | 24                   | 79                   | 37                   | 8,5                         |
| A1148-8.6     | 8,6                        |                        | 25                   | 84                   | 40                   | 8,6                         |
| A1148-LET.R   | 8,611                      | Let. R                 | 25                   | 84                   | 40                   | 8,611                       |
| A1148-8.7     | 8,7                        |                        | 25                   | 84                   | 40                   | 8,7                         |

B1

## Инструмент



Cylindrical shank

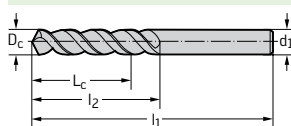
| Обозначение   | D <sub>c</sub><br>h8<br>мм | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>мм | l <sub>1</sub><br>мм | l <sub>2</sub><br>мм | d <sub>1</sub><br>f11<br>мм |
|---------------|----------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------------|
| A1148-11/32IN | 8,731                      | 11/32"                 | 25                   | 84                   | 40                   | 8,731                       |
| A1148-8.8     | 8,8                        |                        | 25                   | 84                   | 40                   | 8,8                         |
| A1148-LET.S   | 8,839                      | Let. S                 | 25                   | 84                   | 40                   | 8,839                       |
| A1148-8.9     | 8,9                        |                        | 25                   | 84                   | 40                   | 8,9                         |
| A1148-9       | 9                          |                        | 25                   | 84                   | 40                   | 9                           |
| A1148-LET.T   | 9,093                      | Let. T                 | 25                   | 84                   | 40                   | 9,093                       |
| A1148-9.1     | 9,1                        |                        | 25                   | 84                   | 40                   | 9,1                         |
| A1148-23/64IN | 9,128                      | 23/64"                 | 25                   | 84                   | 40                   | 9,128                       |
| A1148-9.2     | 9,2                        |                        | 25                   | 84                   | 40                   | 9,2                         |
| A1148-9.3     | 9,3                        |                        | 25                   | 84                   | 40                   | 9,3                         |
| A1148-LET.U   | 9,347                      | Let. U                 | 25                   | 84                   | 40                   | 9,347                       |
| A1148-9.4     | 9,4                        |                        | 25                   | 84                   | 40                   | 9,4                         |
| A1148-9.5     | 9,5                        |                        | 25                   | 84                   | 40                   | 9,5                         |
| A1148-3/8IN   | 9,525                      | 3/8"                   | 27                   | 89                   | 43                   | 9,525                       |
| A1148-LET.V   | 9,576                      | Let. V                 | 27                   | 89                   | 43                   | 9,576                       |
| A1148-9.6     | 9,6                        |                        | 27                   | 89                   | 43                   | 9,6                         |
| A1148-9.7     | 9,7                        |                        | 27                   | 89                   | 43                   | 9,7                         |
| A1148-9.8     | 9,8                        |                        | 27                   | 89                   | 43                   | 9,8                         |
| A1148-LET.W   | 9,804                      | Let. W                 | 27                   | 89                   | 43                   | 9,804                       |
| A1148-9.9     | 9,9                        |                        | 27                   | 89                   | 43                   | 9,9                         |
| A1148-25/64IN | 9,922                      | 25/64"                 | 27                   | 89                   | 43                   | 9,922                       |
| A1148-10      | 10                         |                        | 27                   | 89                   | 43                   | 10                          |
| A1148-LET.X   | 10,084                     | Let. X                 | 27                   | 89                   | 43                   | 10,084                      |
| A1148-10.2    | 10,2                       |                        | 27                   | 89                   | 43                   | 10,2                        |
| A1148-LET.Y   | 10,262                     | Let. Y                 | 27                   | 89                   | 43                   | 10,262                      |
| A1148-13/32IN | 10,319                     | 13/32"                 | 27                   | 89                   | 43                   | 10,319                      |
| A1148-LET.Z   | 10,490                     | Let. Z                 | 27                   | 89                   | 43                   | 10,49                       |
| A1148-10.5    | 10,5                       |                        | 27                   | 89                   | 43                   | 10,5                        |
| A1148-27/64IN | 10,716                     | 27/64"                 | 29                   | 95                   | 47                   | 10,716                      |
| A1148-10.8    | 10,8                       |                        | 29                   | 95                   | 47                   | 10,8                        |
| A1148-11      | 11                         |                        | 29                   | 95                   | 47                   | 11                          |
| A1148-7/16IN  | 11,113                     | 7/16"                  | 29                   | 95                   | 47                   | 11,113                      |
| A1148-11.2    | 11,2                       |                        | 29                   | 95                   | 47                   | 11,2                        |
| A1148-11.5    | 11,5                       |                        | 29                   | 95                   | 47                   | 11,5                        |
| A1148-29/64IN | 11,509                     | 29/64"                 | 29                   | 95                   | 47                   | 11,509                      |
| A1148-11.8    | 11,8                       |                        | 29                   | 95                   | 47                   | 11,8                        |
| A1148-15/32IN | 11,906                     | 15/32"                 | 37                   | 102                  | 51                   | 11,906                      |
| A1148-12      | 12                         |                        | 37                   | 102                  | 51                   | 12                          |
| A1148-31/64IN | 12,303                     | 31/64"                 | 37                   | 102                  | 51                   | 12,303                      |
| A1148-12.5    | 12,5                       |                        | 37                   | 102                  | 51                   | 12,5                        |
| A1148-1/2IN   | 12,700                     | 1/2"                   | 37                   | 102                  | 51                   | 12,7                        |
| A1148-12.8    | 12,8                       |                        | 37                   | 102                  | 51                   | 12,8                        |
| A1148-13      | 13                         |                        | 37                   | 102                  | 51                   | 13                          |
| A1148-33/64IN | 13,097                     |                        | 37                   | 102                  | 51                   | 13,097                      |
| A1148-13.3    | 13,3                       |                        | 40                   | 107                  | 54                   | 13,3                        |
| A1148-17/32IN | 13,494                     | 17/32"                 | 40                   | 107                  | 54                   | 13,494                      |

B1

WALTER  
SELECT

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

## Инструмент



Cylindrical shank

| Обозначение   | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | h <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|---------------|----------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------------|
| A1148-13.5    | 13,5                       |                        | 40                   | 107                  | 54                   | 13,5                        |
| A1148-35/64IN | 13,891                     |                        | 40                   | 107                  | 54                   | 13,891                      |
| A1148-14      | 14                         |                        | 40                   | 107                  | 54                   | 14                          |
| A1148-9/16IN  | 14,288                     | 9/16"                  | 41                   | 111                  | 56                   | 14,288                      |
| A1148-14.5    | 14,5                       |                        | 41                   | 111                  | 56                   | 14,5                        |
| A1148-37/64IN | 14,684                     | 37/64"                 | 41                   | 111                  | 56                   | 14,684                      |
| A1148-15      | 15                         |                        | 41                   | 111                  | 56                   | 15                          |
| A1148-19/32IN | 15,081                     | 19/32"                 | 42                   | 115                  | 58                   | 15,081                      |
| A1148-15.3    | 15,3                       |                        | 42                   | 115                  | 58                   | 15,3                        |
| A1148-39/64IN | 15,478                     | 39/64"                 | 42                   | 115                  | 58                   | 15,478                      |
| A1148-15.5    | 15,5                       |                        | 42                   | 115                  | 58                   | 15,5                        |
| A1148-5/8IN   | 15,875                     | 5/8"                   | 42                   | 115                  | 58                   | 15,875                      |
| A1148-16      | 16                         |                        | 42                   | 115                  | 58                   | 16                          |
| A1148-41/64IN | 16,272                     |                        | 43                   | 119                  | 60                   | 16,272                      |
| A1148-16.5    | 16,5                       |                        | 43                   | 119                  | 60                   | 16,5                        |
| A1148-21/32IN | 16,669                     |                        | 43                   | 119                  | 60                   | 16,669                      |
| A1148-17      | 17                         |                        | 43                   | 119                  | 60                   | 17                          |
| A1148-43/64IN | 17,066                     |                        | 44                   | 123                  | 62                   | 17,066                      |
| A1148-11/16IN | 17,463                     |                        | 44                   | 123                  | 62                   | 17,463                      |
| A1148-17.5    | 17,5                       |                        | 44                   | 123                  | 62                   | 17,5                        |
| A1148-45/64IN | 17,859                     | 45/64"                 | 44                   | 123                  | 62                   | 17,859                      |
| A1148-18      | 18                         |                        | 44                   | 123                  | 62                   | 18                          |
| A1148-23/32IN | 18,256                     | 23/32"                 | 45                   | 127                  | 64                   | 18,256                      |
| A1148-18.5    | 18,5                       |                        | 45                   | 127                  | 64                   | 18,5                        |
| A1148-47/64IN | 18,653                     | 47/64"                 | 45                   | 127                  | 64                   | 18,653                      |
| A1148-19      | 19                         |                        | 45                   | 127                  | 64                   | 19                          |
| A1148-3/4IN   | 19,050                     | 3/4"                   | 46                   | 131                  | 66                   | 19,05                       |
| A1148-19.5    | 19,5                       |                        | 46                   | 131                  | 66                   | 19,5                        |
| A1148-20      | 20                         |                        | 46                   | 131                  | 66                   | 20                          |

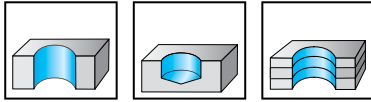
B1



# Свёрла миниатюрные HSS-E A3143



- Тип ESU



|              |    |   |    |    |    |   |   |
|--------------|----|---|----|----|----|---|---|
|              | P  | M | K  | N  | S  | H | O |
| без покрытия | ●● | ● | ●● | ●● | ●● |   | ● |

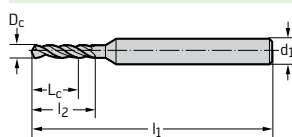
B1

| Инструмент               |             | D <sub>c</sub><br>0-0,004<br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>h8<br>mm |   |
|--------------------------|-------------|---------------------------------|----------------------|----------------------|----------------------|----------------------------|---|
| <p>Cylindrical shank</p> | Обозначение | A3143-0.05                      | 0,05                 | 0,2                  | 25                   | 0,3                        | 1 |
|                          |             | A3143-0.06                      | 0,06                 | 0,2                  | 25                   | 0,3                        | 1 |
|                          |             | A3143-0.07                      | 0,07                 | 0,2                  | 25                   | 0,4                        | 1 |
|                          |             | A3143-0.08                      | 0,08                 | 0,2                  | 25                   | 0,4                        | 1 |
|                          |             | A3143-0.09                      | 0,09                 | 0,2                  | 25                   | 0,4                        | 1 |
|                          |             | A3143-0.1                       | 0,1                  | 0,3                  | 25                   | 0,5                        | 1 |
|                          |             | A3143-0.11                      | 0,11                 | 0,3                  | 25                   | 0,5                        | 1 |
|                          |             | A3143-0.12                      | 0,12                 | 0,3                  | 25                   | 0,5                        | 1 |
|                          |             | A3143-0.13                      | 0,13                 | 0,5                  | 25                   | 0,8                        | 1 |
|                          |             | A3143-0.14                      | 0,14                 | 0,5                  | 25                   | 0,8                        | 1 |
|                          |             | A3143-0.15                      | 0,15                 | 0,5                  | 25                   | 0,8                        | 1 |
|                          |             | A3143-0.16                      | 0,16                 | 0,8                  | 25                   | 1,1                        | 1 |
|                          |             | A3143-0.17                      | 0,17                 | 0,8                  | 25                   | 1,1                        | 1 |
|                          |             | A3143-0.18                      | 0,18                 | 0,8                  | 25                   | 1,1                        | 1 |
|                          |             | A3143-0.19                      | 0,19                 | 0,8                  | 25                   | 1,1                        | 1 |
|                          |             | A3143-0.2                       | 0,2                  | 1,1                  | 25                   | 1,5                        | 1 |
|                          |             | A3143-0.21                      | 0,21                 | 1,1                  | 25                   | 1,5                        | 1 |
|                          |             | A3143-0.22                      | 0,22                 | 1,1                  | 25                   | 1,5                        | 1 |
|                          |             | A3143-0.23                      | 0,23                 | 1,1                  | 25                   | 1,5                        | 1 |
|                          |             | A3143-0.24                      | 0,24                 | 1,1                  | 25                   | 1,5                        | 1 |
|                          |             | A3143-0.25                      | 0,25                 | 1,4                  | 25                   | 1,9                        | 1 |
|                          |             | A3143-0.26                      | 0,26                 | 1,4                  | 25                   | 1,9                        | 1 |
|                          |             | A3143-0.27                      | 0,27                 | 1,4                  | 25                   | 1,9                        | 1 |
|                          |             | A3143-0.28                      | 0,28                 | 1,4                  | 25                   | 1,9                        | 1 |
|                          |             | A3143-0.29                      | 0,29                 | 1,4                  | 25                   | 1,9                        | 1 |
|                          |             | A3143-0.3                       | 0,3                  | 1,4                  | 25                   | 1,9                        | 1 |
|                          |             | A3143-0.31                      | 0,31                 | 1,8                  | 25                   | 2,4                        | 1 |
|                          |             | A3143-0.32                      | 0,32                 | 1,8                  | 25                   | 2,4                        | 1 |
|                          |             | A3143-0.33                      | 0,33                 | 1,8                  | 25                   | 2,4                        | 1 |
|                          |             | A3143-0.34                      | 0,34                 | 1,8                  | 25                   | 2,4                        | 1 |
|                          |             | A3143-0.35                      | 0,35                 | 1,8                  | 25                   | 2,4                        | 1 |
|                          |             | A3143-0.36                      | 0,36                 | 1,8                  | 25                   | 2,4                        | 1 |
|                          |             | A3143-0.37                      | 0,37                 | 1,8                  | 25                   | 2,4                        | 1 |
|                          |             | A3143-0.38                      | 0,38                 | 1,8                  | 25                   | 2,4                        | 1 |
|                          |             | A3143-0.39                      | 0,39                 | 2,2                  | 25                   | 3                          | 1 |
|                          |             | A3143-0.4                       | 0,4                  | 2,2                  | 25                   | 3                          | 1 |

●● Основная область применения    ● Возможная область применения

Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

## Инструмент



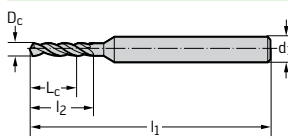
Cylindrical shank

| Обозначение | D <sub>c</sub><br>0-0,004<br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>h8<br>mm |
|-------------|---------------------------------|----------------------|----------------------|----------------------|----------------------------|
| A3143-0.41  | 0,41                            | 2,2                  | 25                   | 3                    | 1                          |
| A3143-0.42  | 0,42                            | 2,2                  | 25                   | 3                    | 1                          |
| A3143-0.43  | 0,43                            | 2,2                  | 25                   | 3                    | 1                          |
| A3143-0.44  | 0,44                            | 2,2                  | 25                   | 3                    | 1                          |
| A3143-0.45  | 0,45                            | 2,2                  | 25                   | 3                    | 1                          |
| A3143-0.46  | 0,46                            | 2,2                  | 25                   | 3                    | 1                          |
| A3143-0.47  | 0,47                            | 2,2                  | 25                   | 3                    | 1                          |
| A3143-0.48  | 0,48                            | 2,2                  | 25                   | 3                    | 1                          |
| A3143-0.49  | 0,49                            | 2,6                  | 25                   | 3,4                  | 1                          |
| A3143-0.5   | 0,5                             | 2,6                  | 25                   | 3,4                  | 1                          |
| A3143-0.51  | 0,51                            | 2,6                  | 25                   | 3,4                  | 1                          |
| A3143-0.52  | 0,52                            | 2,6                  | 25                   | 3,4                  | 1                          |
| A3143-0.53  | 0,53                            | 2,6                  | 25                   | 3,4                  | 1                          |
| A3143-0.54  | 0,54                            | 3                    | 25                   | 3,9                  | 1                          |
| A3143-0.55  | 0,55                            | 3                    | 25                   | 3,9                  | 1                          |
| A3143-0.56  | 0,56                            | 3                    | 25                   | 3,9                  | 1                          |
| A3143-0.57  | 0,57                            | 3                    | 25                   | 3,9                  | 1                          |
| A3143-0.58  | 0,58                            | 3                    | 25                   | 3,9                  | 1                          |
| A3143-0.59  | 0,59                            | 3                    | 25                   | 3,9                  | 1                          |
| A3143-0.6   | 0,6                             | 3                    | 25                   | 3,9                  | 1                          |
| A3143-0.61  | 0,61                            | 3,1                  | 25                   | 4,2                  | 1                          |
| A3143-0.62  | 0,62                            | 3,1                  | 25                   | 4,2                  | 1                          |
| A3143-0.63  | 0,63                            | 3,1                  | 25                   | 4,2                  | 1                          |
| A3143-0.64  | 0,64                            | 3,1                  | 25                   | 4,2                  | 1                          |
| A3143-0.65  | 0,65                            | 3,1                  | 25                   | 4,2                  | 1                          |
| A3143-0.66  | 0,66                            | 3,1                  | 25                   | 4,2                  | 1                          |
| A3143-0.67  | 0,67                            | 3,1                  | 25                   | 4,2                  | 1                          |
| A3143-0.68  | 0,68                            | 3,6                  | 25                   | 4,8                  | 1                          |
| A3143-0.69  | 0,69                            | 3,6                  | 25                   | 4,8                  | 1                          |
| A3143-0.7   | 0,7                             | 3,6                  | 25                   | 4,8                  | 1                          |
| A3143-0.71  | 0,71                            | 3,6                  | 25                   | 4,8                  | 1                          |
| A3143-0.72  | 0,72                            | 3,6                  | 25                   | 4,8                  | 1                          |
| A3143-0.73  | 0,73                            | 3,6                  | 25                   | 4,8                  | 1                          |
| A3143-0.74  | 0,74                            | 3,6                  | 25                   | 4,8                  | 1                          |
| A3143-0.75  | 0,75                            | 3,6                  | 25                   | 4,8                  | 1                          |
| A3143-0.76  | 0,76                            | 4,1                  | 25                   | 5,3                  | 1                          |
| A3143-0.77  | 0,77                            | 4,1                  | 25                   | 5,3                  | 1                          |
| A3143-0.78  | 0,78                            | 4,1                  | 25                   | 5,3                  | 1                          |
| A3143-0.79  | 0,79                            | 4,1                  | 25                   | 5,3                  | 1                          |
| A3143-0.8   | 0,8                             | 4                    | 25                   | 5,3                  | 1,5                        |
| A3143-0.81  | 0,81                            | 4                    | 25                   | 5,3                  | 1,5                        |
| A3143-0.82  | 0,82                            | 4                    | 25                   | 5,3                  | 1,5                        |
| A3143-0.83  | 0,83                            | 4                    | 25                   | 5,3                  | 1,5                        |
| A3143-0.84  | 0,84                            | 4                    | 25                   | 5,3                  | 1,5                        |
| A3143-0.85  | 0,85                            | 4                    | 25                   | 5,3                  | 1,5                        |
| A3143-0.86  | 0,86                            | 4,5                  | 25                   | 6                    | 1,5                        |

 WALTER  
SELECT

●● Основная область применения    ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = 😐 → неблагоприятных = ☹️ условий обработки

## Инструмент



Cylindrical shank

| Обозначение | D <sub>c</sub><br>0-0,004<br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>h8<br>mm |
|-------------|---------------------------------|----------------------|----------------------|----------------------|----------------------------|
| A3143-0,87  | 0,87                            | 4,5                  | 25                   | 6                    | 1,5                        |
| A3143-0,88  | 0,88                            | 4,5                  | 25                   | 6                    | 1,5                        |
| A3143-0,89  | 0,89                            | 4,5                  | 25                   | 6                    | 1,5                        |
| A3143-0,9   | 0,9                             | 4,5                  | 25                   | 6                    | 1,5                        |
| A3143-0,91  | 0,91                            | 4,5                  | 25                   | 6                    | 1,5                        |
| A3143-0,92  | 0,92                            | 4,5                  | 25                   | 6                    | 1,5                        |
| A3143-0,93  | 0,93                            | 4,5                  | 25                   | 6                    | 1,5                        |
| A3143-0,94  | 0,94                            | 4,5                  | 25                   | 6                    | 1,5                        |
| A3143-0,95  | 0,95                            | 4,5                  | 25                   | 6                    | 1,5                        |
| A3143-0,96  | 0,96                            | 5                    | 25                   | 6,8                  | 1,5                        |
| A3143-0,97  | 0,97                            | 5                    | 25                   | 6,8                  | 1,5                        |
| A3143-0,98  | 0,98                            | 5                    | 25                   | 6,8                  | 1,5                        |
| A3143-0,99  | 0,99                            | 5                    | 25                   | 6,8                  | 1,5                        |
| A3143-1     | 1                               | 5                    | 25                   | 6,8                  | 1,5                        |
| A3143-1,05  | 1,05                            | 5                    | 25                   | 6,8                  | 1,5                        |
| A3143-1,1   | 1,1                             | 5                    | 25                   | 7,6                  | 1,5                        |
| A3143-1,15  | 1,15                            | 5                    | 25                   | 7,6                  | 1,5                        |
| A3143-1,2   | 1,2                             | 6                    | 25                   | 8,5                  | 1,5                        |
| A3143-1,25  | 1,25                            | 6                    | 25                   | 8,5                  | 1,5                        |
| A3143-1,3   | 1,3                             | 6                    | 25                   | 8,5                  | 1,5                        |
| A3143-1,35  | 1,35                            | 7                    | 25                   | 9,5                  | 1,5                        |
| A3143-1,4   | 1,4                             | 7                    | 25                   | 9,5                  | 1,5                        |
| A3143-1,45  | 1,45                            | 7                    | 25                   | 9,5                  | 1,5                        |

B1

WALTER  
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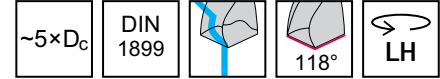
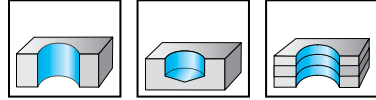
●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки

# Свёрла миниатюрные HSS-E

## A3153



– Тип ESU



|              |    |   |    |    |    |   |   |
|--------------|----|---|----|----|----|---|---|
|              | P  | M | K  | N  | S  | H | O |
| без покрытия | ●● | ● | ●● | ●● | ●● |   | ● |

B1

| Инструмент               | Обозначение | D <sub>c</sub><br>0-0,004<br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>h8<br>mm |
|--------------------------|-------------|---------------------------------|----------------------|----------------------|----------------------|----------------------------|
| <p>Cylindrical shank</p> | A3153-0.15  | 0,15                            | 0,5                  | 25                   | 0,8                  | 1                          |
|                          | A3153-0.17  | 0,17                            | 0,8                  | 25                   | 1,1                  | 1                          |
|                          | A3153-0.18  | 0,18                            | 0,8                  | 25                   | 1,1                  | 1                          |
|                          | A3153-0.19  | 0,19                            | 0,8                  | 25                   | 1,1                  | 1                          |
|                          | A3153-0.2   | 0,2                             | 1,1                  | 25                   | 1,5                  | 1                          |
|                          | A3153-0.21  | 0,21                            | 1,1                  | 25                   | 1,5                  | 1                          |
|                          | A3153-0.23  | 0,23                            | 1,1                  | 25                   | 1,5                  | 1                          |
|                          | A3153-0.24  | 0,24                            | 1,1                  | 25                   | 1,5                  | 1                          |
|                          | A3153-0.25  | 0,25                            | 1,4                  | 25                   | 1,9                  | 1                          |
|                          | A3153-0.26  | 0,26                            | 1,4                  | 25                   | 1,9                  | 1                          |
|                          | A3153-0.27  | 0,27                            | 1,4                  | 25                   | 1,9                  | 1                          |
|                          | A3153-0.28  | 0,28                            | 1,4                  | 25                   | 1,9                  | 1                          |
|                          | A3153-0.3   | 0,3                             | 1,4                  | 25                   | 1,9                  | 1                          |
|                          | A3153-0.31  | 0,31                            | 1,8                  | 25                   | 2,4                  | 1                          |
|                          | A3153-0.32  | 0,32                            | 1,8                  | 25                   | 2,4                  | 1                          |
|                          | A3153-0.33  | 0,33                            | 1,8                  | 25                   | 2,4                  | 1                          |
|                          | A3153-0.34  | 0,34                            | 1,8                  | 25                   | 2,4                  | 1                          |
|                          | A3153-0.35  | 0,35                            | 1,8                  | 25                   | 2,4                  | 1                          |
|                          | A3153-0.37  | 0,37                            | 1,8                  | 25                   | 2,4                  | 1                          |
|                          | A3153-0.38  | 0,38                            | 1,8                  | 25                   | 2,4                  | 1                          |
|                          | A3153-0.4   | 0,4                             | 2,2                  | 25                   | 3                    | 1                          |
|                          | A3153-0.41  | 0,41                            | 2,2                  | 25                   | 3                    | 1                          |
|                          | A3153-0.43  | 0,43                            | 2,2                  | 25                   | 3                    | 1                          |
|                          | A3153-0.45  | 0,45                            | 2,2                  | 25                   | 3                    | 1                          |
|                          | A3153-0.47  | 0,47                            | 2,2                  | 25                   | 3                    | 1                          |
|                          | A3153-0.48  | 0,48                            | 2,2                  | 25                   | 3                    | 1                          |
|                          | A3153-0.49  | 0,49                            | 2,6                  | 25                   | 3,4                  | 1                          |
|                          | A3153-0.5   | 0,5                             | 2,6                  | 25                   | 3,4                  | 1                          |
|                          | A3153-0.52  | 0,52                            | 2,6                  | 25                   | 3,4                  | 1                          |
|                          | A3153-0.53  | 0,53                            | 2,6                  | 25                   | 3,4                  | 1                          |
| A3153-0.54               | 0,54        | 3                               | 25                   | 3,9                  | 1                    |                            |
| A3153-0.55               | 0,55        | 3                               | 25                   | 3,9                  | 1                    |                            |
| A3153-0.56               | 0,56        | 3                               | 25                   | 3,9                  | 1                    |                            |
| A3153-0.57               | 0,57        | 3                               | 25                   | 3,9                  | 1                    |                            |
| A3153-0.58               | 0,58        | 3                               | 25                   | 3,9                  | 1                    |                            |
| A3153-0.59               | 0,59        | 3                               | 25                   | 3,9                  | 1                    |                            |

**WALTER  
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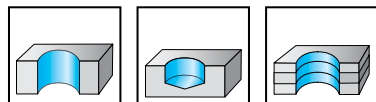
●● Основная область применения    ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = 😐 → неблагоприятных = ☹️ условий обработки

| Инструмент               | Обозначение | $D_c$<br>0-0,004<br>mm | $L_c$<br>mm | $l_1$<br>mm | $l_2$<br>mm | $d_1$<br>h8<br>mm |
|--------------------------|-------------|------------------------|-------------|-------------|-------------|-------------------|
| <p>Cylindrical shank</p> | A3153-0.6   | 0,6                    | 3           | 25          | 3,9         | 1                 |
|                          | A3153-0.61  | 0,61                   | 3,1         | 25          | 4,2         | 1                 |
|                          | A3153-0.62  | 0,62                   | 3,1         | 25          | 4,2         | 1                 |
|                          | A3153-0.63  | 0,63                   | 3,1         | 25          | 4,2         | 1                 |
|                          | A3153-0.65  | 0,65                   | 3,1         | 25          | 4,2         | 1                 |
|                          | A3153-0.67  | 0,67                   | 3,1         | 25          | 4,2         | 1                 |
|                          | A3153-0.68  | 0,68                   | 3,6         | 25          | 4,8         | 1                 |
|                          | A3153-0.7   | 0,7                    | 3,6         | 25          | 4,8         | 1                 |
|                          | A3153-0.72  | 0,72                   | 3,6         | 25          | 4,8         | 1                 |
|                          | A3153-0.73  | 0,73                   | 3,6         | 25          | 4,8         | 1                 |
|                          | A3153-0.74  | 0,74                   | 3,6         | 25          | 4,8         | 1                 |
|                          | A3153-0.75  | 0,75                   | 3,6         | 25          | 4,8         | 1                 |
|                          | A3153-0.76  | 0,76                   | 4,1         | 25          | 5,3         | 1                 |
|                          | A3153-0.77  | 0,77                   | 4,1         | 25          | 5,3         | 1                 |
|                          | A3153-0.78  | 0,78                   | 4,1         | 25          | 5,3         | 1                 |
|                          | A3153-0.8   | 0,8                    | 4           | 25          | 5,3         | 1,5               |
|                          | A3153-0.82  | 0,82                   | 4           | 25          | 5,3         | 1,5               |
|                          | A3153-0.83  | 0,83                   | 4           | 25          | 5,3         | 1,5               |
|                          | A3153-0.84  | 0,84                   | 4           | 25          | 5,3         | 1,5               |
|                          | A3153-0.85  | 0,85                   | 4           | 25          | 5,3         | 1,5               |
|                          | A3153-0.87  | 0,87                   | 4,5         | 25          | 6           | 1,5               |
|                          | A3153-0.89  | 0,89                   | 4,5         | 25          | 6           | 1,5               |
|                          | A3153-0.9   | 0,9                    | 4,5         | 25          | 6           | 1,5               |
|                          | A3153-0.91  | 0,91                   | 4,5         | 25          | 6           | 1,5               |
|                          | A3153-0.92  | 0,92                   | 4,5         | 25          | 6           | 1,5               |
|                          | A3153-0.93  | 0,93                   | 4,5         | 25          | 6           | 1,5               |
|                          | A3153-0.94  | 0,94                   | 4,5         | 25          | 6           | 1,5               |
|                          | A3153-0.95  | 0,95                   | 4,5         | 25          | 6           | 1,5               |
|                          | A3153-0.96  | 0,96                   | 5           | 25          | 6,8         | 1,5               |
|                          | A3153-0.97  | 0,97                   | 5           | 25          | 6,8         | 1,5               |
|                          | A3153-0.98  | 0,98                   | 5           | 25          | 6,8         | 1,5               |
|                          | A3153-1     | 1                      | 5           | 25          | 6,8         | 1,5               |
|                          | A3153-1.05  | 1,05                   | 5           | 25          | 6,8         | 1,5               |
|                          | A3153-1.1   | 1,1                    | 5           | 25          | 7,6         | 1,5               |
| A3153-1.15               | 1,15        | 5                      | 25          | 7,6         | 1,5         |                   |
| A3153-1.2                | 1,2         | 6                      | 25          | 8,5         | 1,5         |                   |
| A3153-1.3                | 1,3         | 6                      | 25          | 8,5         | 1,5         |                   |
| A3153-1.4                | 1,4         | 7                      | 25          | 9,5         | 1,5         |                   |

# Свёрла HSS-E для обработки глубоких отверстий

## A1249XPL

### UFL®



|     |    |    |    |    |   |   |   |
|-----|----|----|----|----|---|---|---|
|     | P  | M  | K  | N  | S | H | O |
| XPL | ●● | ●● | ●● | ●● | ● |   | ● |

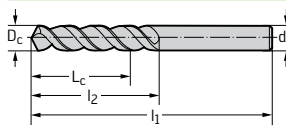
B1

| Инструмент               | Обозначение     | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|--------------------------|-----------------|----------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------------|
| <p>Cylindrical shank</p> | A1249XPL-1      | 1                          |                        | 10                   | 34                   | 12                   | 1                           |
|                          | A1249XPL-N060   | 1,016                      | No. 60                 | 10                   | 34                   | 12                   | 1,016                       |
|                          | A1249XPL-N059   | 1,041                      | No. 59                 | 10                   | 34                   | 12                   | 1,041                       |
|                          | A1249XPL-N058   | 1,067                      | No. 58                 | 12                   | 36                   | 14                   | 1,067                       |
|                          | A1249XPL-N057   | 1,092                      | No. 57                 | 12                   | 36                   | 14                   | 1,092                       |
|                          | A1249XPL-1.1    | 1,1                        |                        | 12                   | 36                   | 14                   | 1,1                         |
|                          | A1249XPL-N056   | 1,181                      | No. 56                 | 14                   | 38                   | 16                   | 1,181                       |
|                          | A1249XPL-3/64IN | 1,191                      | 3/64"                  | 14                   | 38                   | 16                   | 1,191                       |
|                          | A1249XPL-1.2    | 1,2                        |                        | 14                   | 38                   | 16                   | 1,2                         |
|                          | A1249XPL-1.3    | 1,3                        |                        | 14                   | 38                   | 16                   | 1,3                         |
|                          | A1249XPL-N055   | 1,321                      | No. 55                 | 15                   | 40                   | 18                   | 1,321                       |
|                          | A1249XPL-N054   | 1,397                      | No. 54                 | 15                   | 40                   | 18                   | 1,397                       |
|                          | A1249XPL-1.4    | 1,4                        |                        | 15                   | 40                   | 18                   | 1,4                         |
|                          | A1249XPL-1.5    | 1,5                        |                        | 15                   | 40                   | 18                   | 1,5                         |
|                          | A1249XPL-N053   | 1,511                      | No. 53                 | 17                   | 43                   | 20                   | 1,511                       |
|                          | A1249XPL-1/16IN | 1,588                      | 1/16"                  | 17                   | 43                   | 20                   | 1,588                       |
|                          | A1249XPL-1.6    | 1,6                        |                        | 17                   | 43                   | 20                   | 1,6                         |
|                          | A1249XPL-N052   | 1,613                      | No. 52                 | 17                   | 43                   | 20                   | 1,613                       |
|                          | A1249XPL-1.7    | 1,7                        |                        | 17                   | 43                   | 20                   | 1,7                         |
|                          | A1249XPL-N051   | 1,702                      | No. 51                 | 19                   | 46                   | 22                   | 1,702                       |
|                          | A1249XPL-N050   | 1,778                      | No. 50                 | 19                   | 46                   | 22                   | 1,778                       |
|                          | A1249XPL-1.8    | 1,8                        |                        | 19                   | 46                   | 22                   | 1,8                         |
|                          | A1249XPL-N049   | 1,854                      | No. 49                 | 19                   | 46                   | 22                   | 1,854                       |
|                          | A1249XPL-1.9    | 1,9                        |                        | 19                   | 46                   | 22                   | 1,9                         |
|                          | A1249XPL-N048   | 1,930                      | No. 48                 | 20                   | 49                   | 24                   | 1,93                        |
|                          | A1249XPL-5/64IN | 1,984                      | 5/64"                  | 20                   | 49                   | 24                   | 1,984                       |
|                          | A1249XPL-N047   | 1,994                      | No. 47                 | 20                   | 49                   | 24                   | 1,994                       |
|                          | A1249XPL-2      | 2                          |                        | 20                   | 49                   | 24                   | 2                           |
|                          | A1249XPL-N046   | 2,057                      | No. 46                 | 20                   | 49                   | 24                   | 2,057                       |
|                          | A1249XPL-N045   | 2,083                      | No. 45                 | 20                   | 49                   | 24                   | 2,083                       |
| A1249XPL-2.1             | 2,1             |                            | 20                     | 49                   | 24                   | 2,1                  |                             |
| A1249XPL-N044            | 2,184           | No. 44                     | 23                     | 53                   | 27                   | 2,184                |                             |
| A1249XPL-2.2             | 2,2             |                            | 23                     | 53                   | 27                   | 2,2                  |                             |
| A1249XPL-N043            | 2,261           | No. 43                     | 23                     | 53                   | 27                   | 2,261                |                             |
| A1249XPL-2.3             | 2,3             |                            | 23                     | 53                   | 27                   | 2,3                  |                             |
| A1249XPL-N042            | 2,375           | No. 42                     | 26                     | 57                   | 30                   | 2,375                |                             |

**WALTER SELECT**

●● Основная область применения   
 ● Возможная область применения  
 Оптимально подходит для → хороших = 😊 → нормальных = 😐 → неблагоприятных = ☹️ условий обработки

## Инструмент



Cylindrical shank

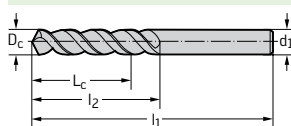
| Обозначение     | D <sub>c</sub><br>h8<br>мм | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>мм | l <sub>1</sub><br>мм | l <sub>2</sub><br>мм | d <sub>1</sub><br>f11<br>мм |
|-----------------|----------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------------|
| A1249XPL-3/32IN | 2,381                      | 3/32"                  | 26                   | 57                   | 30                   | 2,381                       |
| A1249XPL-2.4    | 2,4                        |                        | 26                   | 57                   | 30                   | 2,4                         |
| A1249XPL-NO41   | 2,438                      | No. 41                 | 26                   | 57                   | 30                   | 2,438                       |
| A1249XPL-NO40   | 2,489                      | No. 40                 | 26                   | 57                   | 30                   | 2,489                       |
| A1249XPL-2.5    | 2,5                        |                        | 26                   | 57                   | 30                   | 2,5                         |
| A1249XPL-NO39   | 2,527                      | No. 39                 | 26                   | 57                   | 30                   | 2,527                       |
| A1249XPL-NO38   | 2,578                      | No. 38                 | 26                   | 57                   | 30                   | 2,578                       |
| A1249XPL-2.6    | 2,6                        |                        | 26                   | 57                   | 30                   | 2,6                         |
| A1249XPL-NO37   | 2,642                      | No. 37                 | 26                   | 57                   | 30                   | 2,642                       |
| A1249XPL-2.7    | 2,7                        |                        | 28                   | 61                   | 33                   | 2,7                         |
| A1249XPL-NO36   | 2,705                      | No. 36                 | 28                   | 61                   | 33                   | 2,705                       |
| A1249XPL-7/64IN | 2,778                      | 7/64"                  | 28                   | 61                   | 33                   | 2,778                       |
| A1249XPL-NO35   | 2,794                      | No. 35                 | 28                   | 61                   | 33                   | 2,794                       |
| A1249XPL-2.8    | 2,8                        |                        | 28                   | 61                   | 33                   | 2,8                         |
| A1249XPL-NO34   | 2,819                      | No. 34                 | 28                   | 61                   | 33                   | 2,819                       |
| A1249XPL-NO33   | 2,870                      | No. 33                 | 28                   | 61                   | 33                   | 2,87                        |
| A1249XPL-2.9    | 2,9                        |                        | 28                   | 61                   | 33                   | 2,9                         |
| A1249XPL-NO32   | 2,946                      | No. 32                 | 28                   | 61                   | 33                   | 2,946                       |
| A1249XPL-3      | 3                          |                        | 28                   | 61                   | 33                   | 3                           |
| A1249XPL-NO31   | 3,048                      | No. 31                 | 30                   | 65                   | 36                   | 3,048                       |
| A1249XPL-3.1    | 3,1                        |                        | 30                   | 65                   | 36                   | 3,1                         |
| A1249XPL-1/8IN  | 3,175                      | 1/8"                   | 30                   | 65                   | 36                   | 3,175                       |
| A1249XPL-3.2    | 3,2                        |                        | 30                   | 65                   | 36                   | 3,2                         |
| A1249XPL-NO30   | 3,264                      | No. 30                 | 30                   | 65                   | 36                   | 3,264                       |
| A1249XPL-3.3    | 3,3                        |                        | 30                   | 65                   | 36                   | 3,3                         |
| A1249XPL-3.4    | 3,4                        |                        | 33                   | 70                   | 39                   | 3,4                         |
| A1249XPL-NO29   | 3,454                      | No. 29                 | 33                   | 70                   | 39                   | 3,454                       |
| A1249XPL-3.5    | 3,5                        |                        | 33                   | 70                   | 39                   | 3,5                         |
| A1249XPL-NO28   | 3,569                      | No. 28                 | 33                   | 70                   | 39                   | 3,569                       |
| A1249XPL-9/64IN | 3,572                      | 9/64"                  | 33                   | 70                   | 39                   | 3,572                       |
| A1249XPL-3.6    | 3,6                        |                        | 33                   | 70                   | 39                   | 3,6                         |
| A1249XPL-NO27   | 3,658                      | No. 27                 | 33                   | 70                   | 39                   | 3,658                       |
| A1249XPL-3.7    | 3,7                        |                        | 33                   | 70                   | 39                   | 3,7                         |
| A1249XPL-NO26   | 3,734                      | No. 26                 | 33                   | 70                   | 39                   | 3,734                       |
| A1249XPL-NO25   | 3,797                      | No. 25                 | 36                   | 75                   | 43                   | 3,797                       |
| A1249XPL-3.8    | 3,8                        |                        | 36                   | 75                   | 43                   | 3,8                         |
| A1249XPL-NO24   | 3,861                      | No. 24                 | 36                   | 75                   | 43                   | 3,861                       |
| A1249XPL-3.9    | 3,9                        |                        | 36                   | 75                   | 43                   | 3,9                         |
| A1249XPL-NO23   | 3,912                      | No. 23                 | 36                   | 75                   | 43                   | 3,912                       |
| A1249XPL-5/32IN | 3,969                      | 5/32"                  | 36                   | 75                   | 43                   | 3,969                       |
| A1249XPL-NO22   | 3,988                      | No. 22                 | 36                   | 75                   | 43                   | 3,988                       |
| A1249XPL-4      | 4                          |                        | 36                   | 75                   | 43                   | 4                           |
| A1249XPL-NO21   | 4,039                      | No. 21                 | 36                   | 75                   | 43                   | 4,039                       |
| A1249XPL-NO20   | 4,089                      | No. 20                 | 36                   | 75                   | 43                   | 4,089                       |
| A1249XPL-4.1    | 4,1                        |                        | 36                   | 75                   | 43                   | 4,1                         |
| A1249XPL-4.2    | 4,2                        |                        | 36                   | 75                   | 43                   | 4,2                         |

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WALTER  
SELECT

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

## Инструмент

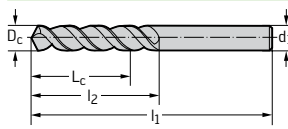


Cylindrical shank

| Обозначение      | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------------|
| A1249XPL-NO19    | 4,216                      | No. 19                 | 36                   | 75                   | 43                   | 4,216                       |
| A1249XPL-4.3     | 4,3                        |                        | 39                   | 80                   | 47                   | 4,3                         |
| A1249XPL-NO18    | 4,305                      | No. 18                 | 39                   | 80                   | 47                   | 4,305                       |
| A1249XPL-11/64IN | 4,366                      | 11/64"                 | 39                   | 80                   | 47                   | 4,366                       |
| A1249XPL-NO17    | 4,394                      | No. 17                 | 39                   | 80                   | 47                   | 4,394                       |
| A1249XPL-4.4     | 4,4                        |                        | 39                   | 80                   | 47                   | 4,4                         |
| A1249XPL-NO16    | 4,496                      | No. 16                 | 39                   | 80                   | 47                   | 4,496                       |
| A1249XPL-4.5     | 4,5                        |                        | 39                   | 80                   | 47                   | 4,5                         |
| A1249XPL-NO15    | 4,572                      | No. 15                 | 39                   | 80                   | 47                   | 4,572                       |
| A1249XPL-4.6     | 4,6                        |                        | 39                   | 80                   | 47                   | 4,6                         |
| A1249XPL-NO14    | 4,623                      | No. 14                 | 39                   | 80                   | 47                   | 4,623                       |
| A1249XPL-4.65    | 4,65                       |                        | 39                   | 80                   | 47                   | 4,65                        |
| A1249XPL-NO13    | 4,699                      | No. 13                 | 39                   | 80                   | 47                   | 4,699                       |
| A1249XPL-4.7     | 4,7                        |                        | 39                   | 80                   | 47                   | 4,7                         |
| A1249XPL-3/16IN  | 4,763                      | 3/16"                  | 44                   | 86                   | 52                   | 4,763                       |
| A1249XPL-4.8     | 4,8                        |                        | 44                   | 86                   | 52                   | 4,8                         |
| A1249XPL-NO12    | 4,801                      | No. 12                 | 44                   | 86                   | 52                   | 4,801                       |
| A1249XPL-NO11    | 4,851                      | No. 11                 | 44                   | 86                   | 52                   | 4,851                       |
| A1249XPL-4.9     | 4,9                        |                        | 44                   | 86                   | 52                   | 4,9                         |
| A1249XPL-NO10    | 4,915                      | No. 10                 | 44                   | 86                   | 52                   | 4,915                       |
| A1249XPL-NO9     | 4,978                      | No. 09                 | 44                   | 86                   | 52                   | 4,978                       |
| A1249XPL-5       | 5                          |                        | 44                   | 86                   | 52                   | 5                           |
| A1249XPL-NO8     | 5,055                      | No. 08                 | 44                   | 86                   | 52                   | 5,055                       |
| A1249XPL-5.1     | 5,1                        |                        | 44                   | 86                   | 52                   | 5,1                         |
| A1249XPL-NO7     | 5,105                      | No. 07                 | 44                   | 86                   | 52                   | 5,105                       |
| A1249XPL-13/64IN | 5,159                      | 13/64"                 | 44                   | 86                   | 52                   | 5,159                       |
| A1249XPL-NO6     | 5,182                      | No. 06                 | 44                   | 86                   | 52                   | 5,182                       |
| A1249XPL-5.2     | 5,2                        |                        | 44                   | 86                   | 52                   | 5,2                         |
| A1249XPL-NO5     | 5,220                      | No. 05                 | 44                   | 86                   | 52                   | 5,22                        |
| A1249XPL-5.3     | 5,3                        |                        | 44                   | 86                   | 52                   | 5,3                         |
| A1249XPL-NO4     | 5,309                      | No. 04                 | 48                   | 93                   | 57                   | 5,309                       |
| A1249XPL-5.4     | 5,4                        |                        | 48                   | 93                   | 57                   | 5,4                         |
| A1249XPL-NO3     | 5,410                      | No. 03                 | 48                   | 93                   | 57                   | 5,41                        |
| A1249XPL-5.5     | 5,5                        |                        | 48                   | 93                   | 57                   | 5,5                         |
| A1249XPL-5.55    | 5,55                       |                        | 48                   | 93                   | 57                   | 5,55                        |
| A1249XPL-7/32IN  | 5,556                      | 7/32"                  | 48                   | 93                   | 57                   | 5,556                       |
| A1249XPL-5.6     | 5,6                        |                        | 48                   | 93                   | 57                   | 5,6                         |
| A1249XPL-NO2     | 5,613                      | No. 02                 | 48                   | 93                   | 57                   | 5,613                       |
| A1249XPL-5.7     | 5,7                        |                        | 48                   | 93                   | 57                   | 5,7                         |
| A1249XPL-NO1     | 5,791                      | No. 01                 | 48                   | 93                   | 57                   | 5,791                       |
| A1249XPL-5.8     | 5,8                        |                        | 48                   | 93                   | 57                   | 5,8                         |
| A1249XPL-5.9     | 5,9                        |                        | 48                   | 93                   | 57                   | 5,9                         |
| A1249XPL-15/64IN | 5,953                      | 15/64"                 | 48                   | 93                   | 57                   | 5,953                       |
| A1249XPL-6       | 6                          |                        | 48                   | 93                   | 57                   | 6                           |
| A1249XPL-6.1     | 6,1                        |                        | 52                   | 101                  | 63                   | 6,1                         |
| A1249XPL-6.2     | 6,2                        |                        | 52                   | 101                  | 63                   | 6,2                         |



## Инструмент



Cylindrical shank

| Обозначение      | D <sub>c</sub><br>h8<br>мм | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>мм | l <sub>1</sub><br>мм | l <sub>2</sub><br>мм | d <sub>1</sub><br>f11<br>мм |
|------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------------|
| A1249XPL-6.3     | 6,3                        |                        | 52                   | 101                  | 63                   | 6,3                         |
| A1249XPL-1/4IN   | 6,350                      | 1/4"                   | 52                   | 101                  | 63                   | 6,35                        |
| A1249XPL-6.4     | 6,4                        |                        | 52                   | 101                  | 63                   | 6,4                         |
| A1249XPL-6.5     | 6,5                        |                        | 52                   | 101                  | 63                   | 6,5                         |
| A1249XPL-6.6     | 6,6                        |                        | 52                   | 101                  | 63                   | 6,6                         |
| A1249XPL-6.7     | 6,7                        |                        | 52                   | 101                  | 63                   | 6,7                         |
| A1249XPL-17/64IN | 6,747                      | 17/64"                 | 57                   | 109                  | 69                   | 6,747                       |
| A1249XPL-6.8     | 6,8                        |                        | 57                   | 109                  | 69                   | 6,8                         |
| A1249XPL-6.9     | 6,9                        |                        | 57                   | 109                  | 69                   | 6,9                         |
| A1249XPL-7       | 7                          |                        | 57                   | 109                  | 69                   | 7                           |
| A1249XPL-7.1     | 7,1                        |                        | 57                   | 109                  | 69                   | 7,1                         |
| A1249XPL-9/32IN  | 7,144                      | 9/32"                  | 57                   | 109                  | 69                   | 7,144                       |
| A1249XPL-7.2     | 7,2                        |                        | 57                   | 109                  | 69                   | 7,2                         |
| A1249XPL-7.3     | 7,3                        |                        | 57                   | 109                  | 69                   | 7,3                         |
| A1249XPL-7.4     | 7,4                        |                        | 57                   | 109                  | 69                   | 7,4                         |
| A1249XPL-7.5     | 7,5                        |                        | 57                   | 109                  | 69                   | 7,5                         |
| A1249XPL-19/64IN | 7,541                      | 19/64"                 | 62                   | 117                  | 75                   | 7,541                       |
| A1249XPL-7.6     | 7,6                        |                        | 62                   | 117                  | 75                   | 7,6                         |
| A1249XPL-7.7     | 7,7                        |                        | 62                   | 117                  | 75                   | 7,7                         |
| A1249XPL-7.8     | 7,8                        |                        | 62                   | 117                  | 75                   | 7,8                         |
| A1249XPL-7.9     | 7,9                        |                        | 62                   | 117                  | 75                   | 7,9                         |
| A1249XPL-5/16IN  | 7,938                      | 5/16"                  | 62                   | 117                  | 75                   | 7,938                       |
| A1249XPL-8       | 8                          |                        | 62                   | 117                  | 75                   | 8                           |
| A1249XPL-8.1     | 8,1                        |                        | 62                   | 117                  | 75                   | 8,1                         |
| A1249XPL-8.2     | 8,2                        |                        | 62                   | 117                  | 75                   | 8,2                         |
| A1249XPL-8.3     | 8,3                        |                        | 62                   | 117                  | 75                   | 8,3                         |
| A1249XPL-21/64IN | 8,334                      | 21/64"                 | 62                   | 117                  | 75                   | 8,334                       |
| A1249XPL-8.4     | 8,4                        |                        | 62                   | 117                  | 75                   | 8,4                         |
| A1249XPL-8.5     | 8,5                        |                        | 62                   | 117                  | 75                   | 8,5                         |
| A1249XPL-8.6     | 8,6                        |                        | 66                   | 125                  | 81                   | 8,6                         |
| A1249XPL-8.7     | 8,7                        |                        | 66                   | 125                  | 81                   | 8,7                         |
| A1249XPL-11/32IN | 8,731                      | 11/32"                 | 66                   | 125                  | 81                   | 8,731                       |
| A1249XPL-8.8     | 8,8                        |                        | 66                   | 125                  | 81                   | 8,8                         |
| A1249XPL-8.9     | 8,9                        |                        | 66                   | 125                  | 81                   | 8,9                         |
| A1249XPL-9       | 9                          |                        | 66                   | 125                  | 81                   | 9                           |
| A1249XPL-9.1     | 9,1                        |                        | 66                   | 125                  | 81                   | 9,1                         |
| A1249XPL-23/64IN | 9,128                      | 23/64"                 | 66                   | 125                  | 81                   | 9,128                       |
| A1249XPL-9.2     | 9,2                        |                        | 66                   | 125                  | 81                   | 9,2                         |
| A1249XPL-9.3     | 9,3                        |                        | 66                   | 125                  | 81                   | 9,3                         |
| A1249XPL-9.4     | 9,4                        |                        | 66                   | 125                  | 81                   | 9,4                         |
| A1249XPL-9.5     | 9,5                        |                        | 66                   | 125                  | 81                   | 9,5                         |
| A1249XPL-3/8IN   | 9,525                      | 3/8"                   | 71                   | 133                  | 87                   | 9,525                       |
| A1249XPL-9.6     | 9,6                        |                        | 71                   | 133                  | 87                   | 9,6                         |
| A1249XPL-9.7     | 9,7                        |                        | 71                   | 133                  | 87                   | 9,7                         |
| A1249XPL-9.8     | 9,8                        |                        | 71                   | 133                  | 87                   | 9,8                         |
| A1249XPL-9.9     | 9,9                        |                        | 71                   | 133                  | 87                   | 9,9                         |

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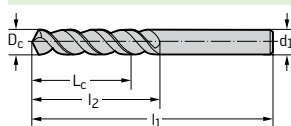
WALTER  
SELECT

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

☺ ☹ ☹ / \* = Новый инструмент

Свёрла быстрорежущие В 353

## Инструмент



Cylindrical shank

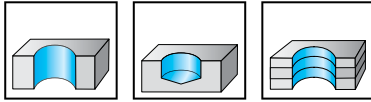
| Обозначение      | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------------|
| A1249XPL-25/64IN | 9,922                      | 25/64"                 | 71                   | 133                  | 87                   | 9,922                       |
| A1249XPL-10      | 10                         |                        | 71                   | 133                  | 87                   | 10                          |
| A1249XPL-10.2    | 10,2                       |                        | 71                   | 133                  | 87                   | 10,2                        |
| A1249XPL-13/32IN | 10,319                     | 13/32"                 | 71                   | 133                  | 87                   | 10,319                      |
| A1249XPL-10.5    | 10,5                       |                        | 71                   | 133                  | 87                   | 10,5                        |
| A1249XPL-27/64IN | 10,716                     | 27/64"                 | 76                   | 142                  | 94                   | 10,716                      |
| A1249XPL-11      | 11                         |                        | 76                   | 142                  | 94                   | 11                          |
| A1249XPL-7/16IN  | 11,113                     | 7/16"                  | 76                   | 142                  | 94                   | 11,113                      |
| A1249XPL-11.2    | 11,2                       |                        | 76                   | 142                  | 94                   | 11,2                        |
| A1249XPL-11.3    | 11,3                       |                        | 76                   | 142                  | 94                   | 11,3                        |
| A1249XPL-11.5    | 11,5                       |                        | 76                   | 142                  | 94                   | 11,5                        |
| A1249XPL-29/64IN | 11,509                     | 29/64"                 | 76                   | 142                  | 94                   | 11,509                      |
| A1249XPL-15/32IN | 11,906                     | 15/32"                 | 87                   | 151                  | 101                  | 11,906                      |
| A1249XPL-12      | 12                         |                        | 87                   | 151                  | 101                  | 12                          |
| A1249XPL-31/64IN | 12,303                     | 31/64"                 | 87                   | 151                  | 101                  | 12,303                      |
| A1249XPL-12.5    | 12,5                       |                        | 87                   | 151                  | 101                  | 12,5                        |
| A1249XPL-1/2IN   | 12,700                     | 1/2"                   | 87                   | 151                  | 101                  | 12,7                        |
| A1249XPL-13      | 13                         |                        | 87                   | 151                  | 101                  | 13                          |
| A1249XPL-13.1    | 13,1                       |                        | 87                   | 151                  | 101                  | 13,1                        |
| A1249XPL-13.3    | 13,3                       |                        | 94                   | 160                  | 108                  | 13,3                        |
| A1249XPL-13.5    | 13,5                       |                        | 94                   | 160                  | 108                  | 13,5                        |
| A1249XPL-14      | 14                         |                        | 94                   | 160                  | 108                  | 14                          |
| A1249XPL-14.5    | 14,5                       |                        | 99                   | 169                  | 114                  | 14,5                        |
| A1249XPL-15      | 15                         |                        | 99                   | 169                  | 114                  | 15                          |
| A1249XPL-15.1    | 15,1                       |                        | 104                  | 178                  | 120                  | 15,1                        |
| A1249XPL-15.3    | 15,3                       |                        | 104                  | 178                  | 120                  | 15,3                        |
| A1249XPL-15.5    | 15,5                       |                        | 104                  | 178                  | 120                  | 15,5                        |
| A1249XPL-16      | 16                         |                        | 104                  | 178                  | 120                  | 16                          |
| A1249XPL-16.5    | 16,5                       |                        | 108                  | 184                  | 125                  | 16,5                        |
| A1249XPL-17      | 17                         |                        | 108                  | 184                  | 125                  | 17                          |
| A1249XPL-17.5    | 17,5                       |                        | 112                  | 191                  | 130                  | 17,5                        |
| A1249XPL-18      | 18                         |                        | 112                  | 191                  | 130                  | 18                          |
| A1249XPL-18.5    | 18,5                       |                        | 116                  | 198                  | 135                  | 18,5                        |
| A1249XPL-19      | 19                         |                        | 116                  | 198                  | 135                  | 19                          |
| A1249XPL-19.5    | 19,5                       |                        | 120                  | 205                  | 140                  | 19,5                        |
| A1249XPL-20      | 20                         |                        | 120                  | 205                  | 140                  | 20                          |

B1

# Свёрла HSS-E для обработки глубоких отверстий

## A1254TFT

### VA Inox



|     |   |    |     |    |   |   |   |
|-----|---|----|-----|----|---|---|---|
|     | P | M  | K   | N  | S | H | O |
| TFT | ● | ●● | ●●● | ●● | ● | ● | ● |

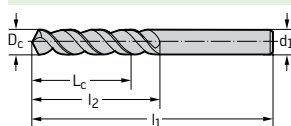
B1

| Инструмент               | Обозначение   | D <sub>c</sub><br>h8<br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|--------------------------|---------------|----------------------------|----------------------|----------------------|----------------------|-----------------------------|
| <p>Cylindrical shank</p> | A1254TFT-3    | 3                          | 28                   | 61                   | 33                   | 3                           |
|                          | A1254TFT-3.2  | 3,2                        | 30                   | 65                   | 36                   | 3,2                         |
|                          | A1254TFT-3.3  | 3,3                        | 30                   | 65                   | 36                   | 3,3                         |
|                          | A1254TFT-3.4  | 3,4                        | 33                   | 70                   | 39                   | 3,4                         |
|                          | A1254TFT-3.5  | 3,5                        | 33                   | 70                   | 39                   | 3,5                         |
|                          | A1254TFT-3.7  | 3,7                        | 33                   | 70                   | 39                   | 3,7                         |
|                          | A1254TFT-3.8  | 3,8                        | 36                   | 75                   | 43                   | 3,8                         |
|                          | A1254TFT-4    | 4                          | 36                   | 75                   | 43                   | 4                           |
|                          | A1254TFT-4.2  | 4,2                        | 36                   | 75                   | 43                   | 4,2                         |
|                          | A1254TFT-4.3  | 4,3                        | 39                   | 80                   | 47                   | 4,3                         |
|                          | A1254TFT-4.5  | 4,5                        | 39                   | 80                   | 47                   | 4,5                         |
|                          | A1254TFT-4.65 | 4,65                       | 39                   | 80                   | 47                   | 4,65                        |
|                          | A1254TFT-4.7  | 4,7                        | 39                   | 80                   | 47                   | 4,7                         |
|                          | A1254TFT-4.8  | 4,8                        | 44                   | 86                   | 52                   | 4,8                         |
|                          | A1254TFT-5    | 5                          | 44                   | 86                   | 52                   | 5                           |
|                          | A1254TFT-5.1  | 5,1                        | 44                   | 86                   | 52                   | 5,1                         |
|                          | A1254TFT-5.3  | 5,3                        | 44                   | 86                   | 52                   | 5,3                         |
|                          | A1254TFT-5.5  | 5,5                        | 48                   | 93                   | 57                   | 5,5                         |
|                          | A1254TFT-5.55 | 5,55                       | 48                   | 93                   | 57                   | 5,55                        |
|                          | A1254TFT-5.6  | 5,6                        | 48                   | 93                   | 57                   | 5,6                         |
|                          | A1254TFT-5.8  | 5,8                        | 48                   | 93                   | 57                   | 5,8                         |
|                          | A1254TFT-6    | 6                          | 48                   | 93                   | 57                   | 6                           |
|                          | A1254TFT-6.5  | 6,5                        | 52                   | 101                  | 63                   | 6,5                         |
|                          | A1254TFT-6.6  | 6,6                        | 52                   | 101                  | 63                   | 6,6                         |
|                          | A1254TFT-6.8  | 6,8                        | 57                   | 109                  | 69                   | 6,8                         |
|                          | A1254TFT-6.9  | 6,9                        | 57                   | 109                  | 69                   | 6,9                         |
|                          | A1254TFT-7    | 7                          | 57                   | 109                  | 69                   | 7                           |
|                          | A1254TFT-7.4  | 7,4                        | 57                   | 109                  | 69                   | 7,4                         |
|                          | A1254TFT-7.5  | 7,5                        | 57                   | 109                  | 69                   | 7,5                         |
|                          | A1254TFT-7.8  | 7,8                        | 62                   | 117                  | 75                   | 7,8                         |
|                          | A1254TFT-8    | 8                          | 62                   | 117                  | 75                   | 8                           |
|                          | A1254TFT-8.5  | 8,5                        | 62                   | 117                  | 75                   | 8,5                         |
|                          | A1254TFT-8.6  | 8,6                        | 66                   | 125                  | 81                   | 8,6                         |
| A1254TFT-8.8             | 8,8           | 66                         | 125                  | 81                   | 8,8                  |                             |
| A1254TFT-9               | 9             | 66                         | 125                  | 81                   | 9                    |                             |
| A1254TFT-9.3             | 9,3           | 66                         | 125                  | 81                   | 9,3                  |                             |

**WALTER  
SELECT**

●● Основная область применения    ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

## Инструмент



Cylindrical shank

| Обозначение   | D <sub>c</sub><br>h8<br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|---------------|----------------------------|----------------------|----------------------|----------------------|-----------------------------|
| A1254TFT-9.4  | 9,4                        | 66                   | 125                  | 81                   | 9,4                         |
| A1254TFT-9.5  | 9,5                        | 66                   | 125                  | 81                   | 9,5                         |
| A1254TFT-9.8  | 9,8                        | 71                   | 133                  | 87                   | 9,8                         |
| A1254TFT-10   | 10                         | 71                   | 133                  | 87                   | 10                          |
| A1254TFT-10.2 | 10,2                       | 71                   | 133                  | 87                   | 10,2                        |
| A1254TFT-10.3 | 10,3                       | 71                   | 133                  | 87                   | 10,3                        |
| A1254TFT-10.5 | 10,5                       | 71                   | 133                  | 87                   | 10,5                        |
| A1254TFT-11   | 11                         | 76                   | 142                  | 94                   | 11                          |
| A1254TFT-11.2 | 11,2                       | 76                   | 142                  | 94                   | 11,2                        |
| A1254TFT-11.3 | 11,3                       | 76                   | 142                  | 94                   | 11,3                        |
| A1254TFT-11.5 | 11,5                       | 76                   | 142                  | 94                   | 11,5                        |
| A1254TFT-11.8 | 11,8                       | 76                   | 142                  | 94                   | 11,8                        |
| A1254TFT-12   | 12                         | 87                   | 151                  | 101                  | 12                          |
| A1254TFT-12.1 | 12,1                       | 87                   | 151                  | 101                  | 12,1                        |
| A1254TFT-12.5 | 12,5                       | 87                   | 151                  | 101                  | 12,5                        |
| A1254TFT-13   | 13                         | 87                   | 151                  | 101                  | 13                          |
| A1254TFT-13.2 | 13,2                       | 87                   | 151                  | 101                  | 13,2                        |
| A1254TFT-13.5 | 13,5                       | 94                   | 160                  | 108                  | 13,5                        |
| A1254TFT-14   | 14                         | 94                   | 160                  | 108                  | 14                          |
| A1254TFT-14.1 | 14,1                       | 99                   | 169                  | 114                  | 14,1                        |
| A1254TFT-14.2 | 14,2                       | 99                   | 169                  | 114                  | 14,2                        |
| A1254TFT-14.5 | 14,5                       | 99                   | 169                  | 114                  | 14,5                        |
| A1254TFT-15   | 15                         | 99                   | 169                  | 114                  | 15                          |
| A1254TFT-15.1 | 15,1                       | 104                  | 178                  | 120                  | 15,1                        |
| A1254TFT-15.2 | 15,2                       | 104                  | 178                  | 120                  | 15,2                        |
| A1254TFT-15.5 | 15,5                       | 104                  | 178                  | 120                  | 15,5                        |
| A1254TFT-16   | 16                         | 104                  | 178                  | 120                  | 16                          |

B1

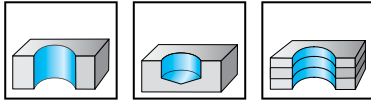
# Свёрла спиральные HSS-E

## A1247

### Alpha® XE



– До 1,9 мм – без покрытия



|              |    |    |    |    |    |   |   |
|--------------|----|----|----|----|----|---|---|
|              | P  | M  | K  | N  | S  | H | O |
| без покрытия | ●● | ●● | ●● | ●● | ●● |   | ● |

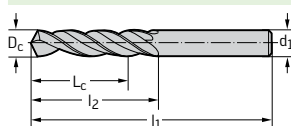
B1

| Инструмент               | Обозначение  | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|--------------------------|--------------|----------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------------|
| <p>Cylindrical shank</p> | A1247-1      | 1                          |                        | 10                   | 34                   | 12                   | 1                           |
|                          | A1247-N060   | 1,016                      | No. 60                 | 10                   | 34                   | 12                   | 1,016                       |
|                          | A1247-N059   | 1,041                      | No. 59                 | 10                   | 34                   | 12                   | 1,041                       |
|                          | A1247-N058   | 1,067                      | No. 58                 | 12                   | 36                   | 14                   | 1,067                       |
|                          | A1247-N057   | 1,092                      | No. 57                 | 12                   | 36                   | 14                   | 1,092                       |
|                          | A1247-1.1    | 1,1                        |                        | 12                   | 36                   | 14                   | 1,1                         |
|                          | A1247-N056   | 1,181                      | No. 56                 | 14                   | 38                   | 16                   | 1,181                       |
|                          | A1247-3/64IN | 1,191                      | 3/64"                  | 14                   | 38                   | 16                   | 1,191                       |
|                          | A1247-1.2    | 1,2                        |                        | 14                   | 38                   | 16                   | 1,2                         |
|                          | A1247-1.25   | 1,25                       |                        | 14                   | 38                   | 16                   | 1,25                        |
|                          | A1247-1.3    | 1,3                        |                        | 14                   | 38                   | 16                   | 1,3                         |
|                          | A1247-N055   | 1,321                      | No. 55                 | 15                   | 40                   | 18                   | 1,321                       |
|                          | A1247-N054   | 1,397                      | No. 54                 | 15                   | 40                   | 18                   | 1,397                       |
|                          | A1247-1.4    | 1,4                        |                        | 15                   | 40                   | 18                   | 1,4                         |
|                          | A1247-1.5    | 1,5                        |                        | 15                   | 40                   | 18                   | 1,5                         |
|                          | A1247-N053   | 1,511                      | No. 53                 | 17                   | 43                   | 20                   | 1,511                       |
|                          | A1247-1/16IN | 1,588                      | 1/16"                  | 17                   | 43                   | 20                   | 1,588                       |
|                          | A1247-1.6    | 1,6                        |                        | 17                   | 43                   | 20                   | 1,6                         |
|                          | A1247-N052   | 1,613                      | No. 52                 | 17                   | 43                   | 20                   | 1,613                       |
|                          | A1247-1.7    | 1,7                        |                        | 17                   | 43                   | 20                   | 1,7                         |
|                          | A1247-N051   | 1,702                      | No. 51                 | 19                   | 46                   | 22                   | 1,702                       |
|                          | A1247-N050   | 1,778                      | No. 50                 | 19                   | 46                   | 22                   | 1,778                       |
|                          | A1247-1.8    | 1,8                        |                        | 19                   | 46                   | 22                   | 1,8                         |
|                          | A1247-N049   | 1,854                      | No. 49                 | 19                   | 46                   | 22                   | 1,854                       |
|                          | A1247-1.9    | 1,9                        |                        | 19                   | 46                   | 22                   | 1,9                         |
|                          | A1247-N048   | 1,930                      | No. 48                 | 20                   | 49                   | 24                   | 1,93                        |
|                          | A1247-5/64IN | 1,984                      | 5/64"                  | 20                   | 49                   | 24                   | 1,984                       |
|                          | A1247-N047   | 1,994                      | No. 47                 | 20                   | 49                   | 24                   | 1,994                       |
|                          | A1247-2      | 2                          |                        | 20                   | 49                   | 24                   | 2                           |
|                          | A1247-N046   | 2,057                      | No. 46                 | 20                   | 49                   | 24                   | 2,057                       |
|                          | A1247-N045   | 2,083                      | No. 45                 | 20                   | 49                   | 24                   | 2,083                       |
|                          | A1247-2.1    | 2,1                        |                        | 20                   | 49                   | 24                   | 2,1                         |
|                          | A1247-N044   | 2,184                      | No. 44                 | 23                   | 53                   | 27                   | 2,184                       |
| A1247-2.2                | 2,2          |                            | 23                     | 53                   | 27                   | 2,2                  |                             |
| A1247-N043               | 2,261        | No. 43                     | 23                     | 53                   | 27                   | 2,261                |                             |
| A1247-2.3                | 2,3          |                            | 23                     | 53                   | 27                   | 2,3                  |                             |

**WALTER  
SELECT**

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

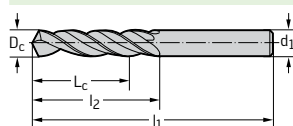
## Инструмент



Cylindrical shank

| Обозначение  | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|--------------|----------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------------|
| A1247-N042   | 2,375                      | No. 42                 | 26                   | 57                   | 30                   | 2,375                       |
| A1247-3/32IN | 2,381                      | 3/32"                  | 26                   | 57                   | 30                   | 2,381                       |
| A1247-2.4    | 2,4                        |                        | 26                   | 57                   | 30                   | 2,4                         |
| A1247-N041   | 2,438                      | No. 41                 | 26                   | 57                   | 30                   | 2,438                       |
| A1247-N040   | 2,489                      | No. 40                 | 26                   | 57                   | 30                   | 2,489                       |
| A1247-2.5    | 2,5                        |                        | 26                   | 57                   | 30                   | 2,5                         |
| A1247-N039   | 2,527                      | No. 39                 | 26                   | 57                   | 30                   | 2,527                       |
| A1247-N038   | 2,578                      | No. 38                 | 26                   | 57                   | 30                   | 2,578                       |
| A1247-2.6    | 2,6                        |                        | 26                   | 57                   | 30                   | 2,6                         |
| A1247-N037   | 2,642                      | No. 37                 | 26                   | 57                   | 30                   | 2,642                       |
| A1247-2.7    | 2,7                        |                        | 28                   | 61                   | 33                   | 2,7                         |
| A1247-N036   | 2,705                      | No. 36                 | 28                   | 61                   | 33                   | 2,705                       |
| A1247-7/64IN | 2,778                      | 7/64"                  | 28                   | 61                   | 33                   | 2,778                       |
| A1247-N035   | 2,794                      | No. 35                 | 28                   | 61                   | 33                   | 2,794                       |
| A1247-2.8    | 2,8                        |                        | 28                   | 61                   | 33                   | 2,8                         |
| A1247-N034   | 2,819                      | No. 34                 | 28                   | 61                   | 33                   | 2,819                       |
| A1247-N033   | 2,870                      | No. 33                 | 28                   | 61                   | 33                   | 2,87                        |
| A1247-2.9    | 2,9                        |                        | 28                   | 61                   | 33                   | 2,9                         |
| A1247-N032   | 2,946                      | No. 32                 | 28                   | 61                   | 33                   | 2,946                       |
| A1247-3      | 3                          |                        | 28                   | 61                   | 33                   | 3                           |
| A1247-N031   | 3,048                      | No. 31                 | 30                   | 65                   | 36                   | 3,048                       |
| A1247-3.1    | 3,1                        |                        | 30                   | 65                   | 36                   | 3,1                         |
| A1247-1/8IN  | 3,175                      | 1/8"                   | 30                   | 65                   | 36                   | 3,175                       |
| A1247-3.2    | 3,2                        |                        | 30                   | 65                   | 36                   | 3,2                         |
| A1247-N030   | 3,264                      | No. 30                 | 30                   | 65                   | 36                   | 3,264                       |
| A1247-3.3    | 3,3                        |                        | 30                   | 65                   | 36                   | 3,3                         |
| A1247-3.4    | 3,4                        |                        | 33                   | 70                   | 39                   | 3,4                         |
| A1247-N029   | 3,454                      | No. 29                 | 33                   | 70                   | 39                   | 3,454                       |
| A1247-3.5    | 3,5                        |                        | 33                   | 70                   | 39                   | 3,5                         |
| A1247-N028   | 3,569                      | No. 28                 | 33                   | 70                   | 39                   | 3,569                       |
| A1247-9/64IN | 3,572                      | 9/64"                  | 33                   | 70                   | 39                   | 3,572                       |
| A1247-3.6    | 3,6                        |                        | 33                   | 70                   | 39                   | 3,6                         |
| A1247-N027   | 3,658                      | No. 27                 | 33                   | 70                   | 39                   | 3,658                       |
| A1247-3.7    | 3,7                        |                        | 33                   | 70                   | 39                   | 3,7                         |
| A1247-N026   | 3,734                      | No. 26                 | 33                   | 70                   | 39                   | 3,734                       |
| A1247-N025   | 3,797                      | No. 25                 | 36                   | 75                   | 43                   | 3,797                       |
| A1247-3.8    | 3,8                        |                        | 36                   | 75                   | 43                   | 3,8                         |
| A1247-N024   | 3,861                      | No. 24                 | 36                   | 75                   | 43                   | 3,861                       |
| A1247-3.9    | 3,9                        |                        | 36                   | 75                   | 43                   | 3,9                         |
| A1247-N023   | 3,912                      | No. 23                 | 36                   | 75                   | 43                   | 3,912                       |
| A1247-5/32IN | 3,969                      | 5/32"                  | 36                   | 75                   | 43                   | 3,969                       |
| A1247-N022   | 3,988                      | No. 22                 | 36                   | 75                   | 43                   | 3,988                       |
| A1247-4      | 4                          |                        | 36                   | 75                   | 43                   | 4                           |
| A1247-N021   | 4,039                      | No. 21                 | 36                   | 75                   | 43                   | 4,039                       |
| A1247-N020   | 4,089                      | No. 20                 | 36                   | 75                   | 43                   | 4,089                       |
| A1247-4.1    | 4,1                        |                        | 36                   | 75                   | 43                   | 4,1                         |

## Инструмент



Cylindrical shank

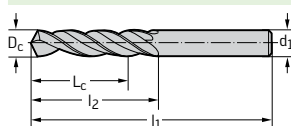
| Обозначение   | D <sub>c</sub><br>h8<br>мм | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>мм | l <sub>1</sub><br>мм | l <sub>2</sub><br>мм | d <sub>1</sub><br>f11<br>мм |
|---------------|----------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------------|
| A1247-4.2     | 4,2                        |                        | 36                   | 75                   | 43                   | 4,2                         |
| A1247-N019    | 4,216                      | No. 19                 | 36                   | 75                   | 43                   | 4,216                       |
| A1247-4.3     | 4,3                        |                        | 39                   | 80                   | 47                   | 4,3                         |
| A1247-N018    | 4,305                      | No. 18                 | 39                   | 80                   | 47                   | 4,305                       |
| A1247-11/64IN | 4,366                      | 11/64"                 | 39                   | 80                   | 47                   | 4,366                       |
| A1247-N017    | 4,394                      | No. 17                 | 39                   | 80                   | 47                   | 4,394                       |
| A1247-4.4     | 4,4                        |                        | 39                   | 80                   | 47                   | 4,4                         |
| A1247-N016    | 4,496                      | No. 16                 | 39                   | 80                   | 47                   | 4,496                       |
| A1247-4.5     | 4,5                        |                        | 39                   | 80                   | 47                   | 4,5                         |
| A1247-N015    | 4,572                      | No. 15                 | 39                   | 80                   | 47                   | 4,572                       |
| A1247-4.6     | 4,6                        |                        | 39                   | 80                   | 47                   | 4,6                         |
| A1247-N014    | 4,623                      | No. 14                 | 39                   | 80                   | 47                   | 4,623                       |
| A1247-N013    | 4,699                      | No. 13                 | 39                   | 80                   | 47                   | 4,699                       |
| A1247-4.7     | 4,7                        |                        | 39                   | 80                   | 47                   | 4,7                         |
| A1247-3/16IN  | 4,763                      | 3/16"                  | 44                   | 86                   | 52                   | 4,763                       |
| A1247-4.8     | 4,8                        |                        | 44                   | 86                   | 52                   | 4,8                         |
| A1247-N012    | 4,801                      | No. 12                 | 44                   | 86                   | 52                   | 4,801                       |
| A1247-N011    | 4,851                      | No. 11                 | 44                   | 86                   | 52                   | 4,851                       |
| A1247-4.9     | 4,9                        |                        | 44                   | 86                   | 52                   | 4,9                         |
| A1247-N010    | 4,915                      | No. 10                 | 44                   | 86                   | 52                   | 4,915                       |
| A1247-N09     | 4,978                      | No. 09                 | 44                   | 86                   | 52                   | 4,978                       |
| A1247-5       | 5                          |                        | 44                   | 86                   | 52                   | 5                           |
| A1247-N08     | 5,055                      | No. 08                 | 44                   | 86                   | 52                   | 5,055                       |
| A1247-5.1     | 5,1                        |                        | 44                   | 86                   | 52                   | 5,1                         |
| A1247-N07     | 5,105                      | No. 07                 | 44                   | 86                   | 52                   | 5,105                       |
| A1247-13/64IN | 5,159                      | 13/64"                 | 44                   | 86                   | 52                   | 5,159                       |
| A1247-N06     | 5,182                      | No. 06                 | 44                   | 86                   | 52                   | 5,182                       |
| A1247-5.2     | 5,2                        |                        | 44                   | 86                   | 52                   | 5,2                         |
| A1247-N05     | 5,220                      | No. 05                 | 44                   | 86                   | 52                   | 5,22                        |
| A1247-5.3     | 5,3                        |                        | 44                   | 86                   | 52                   | 5,3                         |
| A1247-N04     | 5,309                      | No. 04                 | 48                   | 93                   | 57                   | 5,309                       |
| A1247-5.4     | 5,4                        |                        | 48                   | 93                   | 57                   | 5,4                         |
| A1247-N03     | 5,410                      | No. 03                 | 48                   | 93                   | 57                   | 5,41                        |
| A1247-5.5     | 5,5                        |                        | 48                   | 93                   | 57                   | 5,5                         |
| A1247-7/32IN  | 5,556                      | 7/32"                  | 48                   | 93                   | 57                   | 5,556                       |
| A1247-5.6     | 5,6                        |                        | 48                   | 93                   | 57                   | 5,6                         |
| A1247-N02     | 5,613                      | No. 02                 | 48                   | 93                   | 57                   | 5,613                       |
| A1247-5.7     | 5,7                        |                        | 48                   | 93                   | 57                   | 5,7                         |
| A1247-N01     | 5,791                      | No. 01                 | 48                   | 93                   | 57                   | 5,791                       |
| A1247-5.8     | 5,8                        |                        | 48                   | 93                   | 57                   | 5,8                         |
| A1247-5.9     | 5,9                        |                        | 48                   | 93                   | 57                   | 5,9                         |
| A1247-15/64IN | 5,953                      | 15/64"                 | 48                   | 93                   | 57                   | 5,953                       |
| A1247-6       | 6                          |                        | 48                   | 93                   | 57                   | 6                           |
| A1247-6.1     | 6,1                        |                        | 52                   | 101                  | 63                   | 6,1                         |
| A1247-6.2     | 6,2                        |                        | 52                   | 101                  | 63                   | 6,2                         |
| A1247-6.3     | 6,3                        |                        | 52                   | 101                  | 63                   | 6,3                         |

B1

WALTER  
SELECT

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

## Инструмент



Cylindrical shank

| Обозначение   | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|---------------|----------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------------|
| A1247-1/4IN   | 6,350                      | 1/4"                   | 52                   | 101                  | 63                   | 6,35                        |
| A1247-6.4     | 6,4                        |                        | 52                   | 101                  | 63                   | 6,4                         |
| A1247-6.5     | 6,5                        |                        | 52                   | 101                  | 63                   | 6,5                         |
| A1247-6.6     | 6,6                        |                        | 52                   | 101                  | 63                   | 6,6                         |
| A1247-6.7     | 6,7                        |                        | 52                   | 101                  | 63                   | 6,7                         |
| A1247-17/64IN | 6,747                      | 17/64"                 | 57                   | 109                  | 69                   | 6,747                       |
| A1247-6.8     | 6,8                        |                        | 57                   | 109                  | 69                   | 6,8                         |
| A1247-6.9     | 6,9                        |                        | 57                   | 109                  | 69                   | 6,9                         |
| A1247-7       | 7                          |                        | 57                   | 109                  | 69                   | 7                           |
| A1247-7.1     | 7,1                        |                        | 57                   | 109                  | 69                   | 7,1                         |
| A1247-9/32IN  | 7,144                      | 9/32"                  | 57                   | 109                  | 69                   | 7,144                       |
| A1247-7.2     | 7,2                        |                        | 57                   | 109                  | 69                   | 7,2                         |
| A1247-7.3     | 7,3                        |                        | 57                   | 109                  | 69                   | 7,3                         |
| A1247-7.4     | 7,4                        |                        | 57                   | 109                  | 69                   | 7,4                         |
| A1247-7.5     | 7,5                        |                        | 57                   | 109                  | 69                   | 7,5                         |
| A1247-19/64IN | 7,541                      | 19/64"                 | 62                   | 117                  | 75                   | 7,541                       |
| A1247-7.6     | 7,6                        |                        | 62                   | 117                  | 75                   | 7,6                         |
| A1247-7.7     | 7,7                        |                        | 62                   | 117                  | 75                   | 7,7                         |
| A1247-7.8     | 7,8                        |                        | 62                   | 117                  | 75                   | 7,8                         |
| A1247-7.9     | 7,9                        |                        | 62                   | 117                  | 75                   | 7,9                         |
| A1247-5/16IN  | 7,938                      | 5/16"                  | 62                   | 117                  | 75                   | 7,938                       |
| A1247-8       | 8                          |                        | 62                   | 117                  | 75                   | 8                           |
| A1247-8.1     | 8,1                        |                        | 62                   | 117                  | 75                   | 8,1                         |
| A1247-8.2     | 8,2                        |                        | 62                   | 117                  | 75                   | 8,2                         |
| A1247-8.3     | 8,3                        |                        | 62                   | 117                  | 75                   | 8,3                         |
| A1247-21/64IN | 8,334                      | 21/64"                 | 62                   | 117                  | 75                   | 8,334                       |
| A1247-8.4     | 8,4                        |                        | 62                   | 117                  | 75                   | 8,4                         |
| A1247-8.5     | 8,5                        |                        | 62                   | 117                  | 75                   | 8,5                         |
| A1247-8.6     | 8,6                        |                        | 66                   | 125                  | 81                   | 8,6                         |
| A1247-8.7     | 8,7                        |                        | 66                   | 125                  | 81                   | 8,7                         |
| A1247-11/32IN | 8,731                      | 11/32"                 | 66                   | 125                  | 81                   | 8,731                       |
| A1247-8.8     | 8,8                        |                        | 66                   | 125                  | 81                   | 8,8                         |
| A1247-8.9     | 8,9                        |                        | 66                   | 125                  | 81                   | 8,9                         |
| A1247-9       | 9                          |                        | 66                   | 125                  | 81                   | 9                           |
| A1247-9.1     | 9,1                        |                        | 66                   | 125                  | 81                   | 9,1                         |
| A1247-23/64IN | 9,128                      | 23/64"                 | 66                   | 125                  | 81                   | 9,128                       |
| A1247-9.2     | 9,2                        |                        | 66                   | 125                  | 81                   | 9,2                         |
| A1247-9.3     | 9,3                        |                        | 66                   | 125                  | 81                   | 9,3                         |
| A1247-9.4     | 9,4                        |                        | 66                   | 125                  | 81                   | 9,4                         |
| A1247-9.5     | 9,5                        |                        | 66                   | 125                  | 81                   | 9,5                         |
| A1247-3/8IN   | 9,525                      | 3/8"                   | 71                   | 133                  | 87                   | 9,525                       |
| A1247-9.6     | 9,6                        |                        | 71                   | 133                  | 87                   | 9,6                         |
| A1247-9.7     | 9,7                        |                        | 71                   | 133                  | 87                   | 9,7                         |
| A1247-9.8     | 9,8                        |                        | 71                   | 133                  | 87                   | 9,8                         |
| A1247-9.9     | 9,9                        |                        | 71                   | 133                  | 87                   | 9,9                         |
| A1247-25/64IN | 9,922                      | 25/64"                 | 71                   | 133                  | 87                   | 9,922                       |

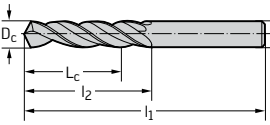
**WALTER  
SELECT**

●● Основная область применения   
 ● Возможная область применения  
 Оптимально подходит для → хороших = 😊 → нормальных = 😐 → неблагоприятных = ☹️ условий обработки

B1



## Инструмент

| Инструмент   | Обозначение   | D <sub>c</sub><br>h8<br>мм | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>мм | l <sub>1</sub><br>мм | l <sub>2</sub><br>мм | d <sub>1</sub><br>f11<br>мм |
|--|---------------|----------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------------|
|  <p>Cylindrical shank</p> | A1247-10      | 10                         |                        | 71                   | 133                  | 87                   | 10                          |
|  | A1247-10.2    | 10,2                       |                        | 71                   | 133                  | 87                   | 10,2                        |
|  | A1247-13/32IN | 10,319                     | 13/32"                 | 71                   | 133                  | 87                   | 10,319                      |
|  | A1247-10.5    | 10,5                       |                        | 71                   | 133                  | 87                   | 10,5                        |
|  | A1247-27/64IN | 10,716                     | 27/64"                 | 76                   | 142                  | 94                   | 10,716                      |
|  | A1247-10.8    | 10,8                       |                        | 76                   | 142                  | 94                   | 10,8                        |
|  | A1247-11      | 11                         |                        | 76                   | 142                  | 94                   | 11                          |
|  | A1247-7/16IN  | 11,113                     | 7/16"                  | 76                   | 142                  | 94                   | 11,113                      |
|  | A1247-11.2    | 11,2                       |                        | 76                   | 142                  | 94                   | 11,2                        |
|  | A1247-11.5    | 11,5                       |                        | 76                   | 142                  | 94                   | 11,5                        |
|  | A1247-29/64IN | 11,509                     | 29/64"                 | 76                   | 142                  | 94                   | 11,509                      |
|  | A1247-11.8    | 11,8                       |                        | 76                   | 142                  | 94                   | 11,8                        |
|  | A1247-15/32IN | 11,906                     | 15/32"                 | 87                   | 151                  | 101                  | 11,906                      |
|  | A1247-12      | 12                         |                        | 87                   | 151                  | 101                  | 12                          |
|  | A1247-31/64IN | 12,303                     | 31/64"                 | 87                   | 151                  | 101                  | 12,303                      |
|  | A1247-12.5    | 12,5                       |                        | 87                   | 151                  | 101                  | 12,5                        |
|  | A1247-1/2IN   | 12,700                     | 1/2"                   | 87                   | 151                  | 101                  | 12,7                        |
|  | A1247-13      | 13                         |                        | 87                   | 151                  | 101                  | 13                          |
|  | A1247-13.1    | 13,1                       |                        | 87                   | 151                  | 101                  | 13,1                        |
|  | A1247-13.3    | 13,3                       |                        | 94                   | 160                  | 108                  | 13,3                        |
|  | A1247-13.5    | 13,5                       |                        | 94                   | 160                  | 108                  | 13,5                        |
|  | A1247-14      | 14                         |                        | 94                   | 160                  | 108                  | 14                          |
|  | A1247-14.5    | 14,5                       |                        | 99                   | 169                  | 114                  | 14,5                        |
|  | A1247-15      | 15                         |                        | 99                   | 169                  | 114                  | 15                          |
|  | A1247-15.1    | 15,1                       |                        | 104                  | 178                  | 120                  | 15,1                        |
|  | A1247-15.3    | 15,3                       |                        | 104                  | 178                  | 120                  | 15,3                        |
|  | A1247-15.5    | 15,5                       |                        | 104                  | 178                  | 120                  | 15,5                        |
|  | A1247-16      | 16                         |                        | 104                  | 178                  | 120                  | 16                          |

B1

WALTER  
SELECT

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 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

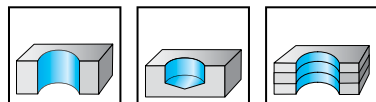
# Свёрла спиральные HSS-E

## A1244

### VA



– Предлагаются в виде комплекта



|              |   |    |     |   |    |   |   |
|--------------|---|----|-----|---|----|---|---|
|              | P | M  | K   | N | S  | H | O |
| без покрытия | ● | ●● | ●●● | ● | ●● | ● | ● |

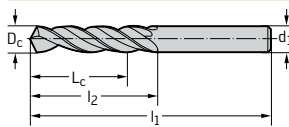
B1

| Инструмент               | Обозначение  | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|--------------------------|--------------|----------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------------|
| <p>Cylindrical shank</p> | A1244-0.3    | 0,3                        |                        | 2,5                  | 19                   | 3                    | 0,3                         |
|                          | A1244-N080   | 0,343                      |                        | 3,4                  | 19                   | 4                    | 0,343                       |
|                          | A1244-0.35   | 0,35                       |                        | 3,4                  | 19                   | 4                    | 0,35                        |
|                          | A1244-1/64IN | 0,397                      |                        | 4,2                  | 20                   | 5                    | 0,397                       |
|                          | A1244-0.4    | 0,4                        |                        | 4,2                  | 20                   | 5                    | 0,4                         |
|                          | A1244-N078   | 0,406                      |                        | 4,2                  | 20                   | 5                    | 0,406                       |
|                          | A1244-0.45   | 0,45                       |                        | 4,2                  | 20                   | 5                    | 0,45                        |
|                          | A1244-N077   | 0,457                      |                        | 4,2                  | 20                   | 5                    | 0,457                       |
|                          | A1244-0.5    | 0,5                        |                        | 5,2                  | 22                   | 6                    | 0,5                         |
|                          | A1244-N076   | 0,508                      | No.76                  | 5,2                  | 22                   | 6                    | 0,508                       |
|                          | A1244-N075   | 0,533                      |                        | 6,1                  | 24                   | 7                    | 0,533                       |
|                          | A1244-0.55   | 0,55                       |                        | 6,1                  | 24                   | 7                    | 0,55                        |
|                          | A1244-N074   | 0,572                      |                        | 6,1                  | 24                   | 7                    | 0,572                       |
|                          | A1244-0.6    | 0,6                        |                        | 6,1                  | 24                   | 7                    | 0,6                         |
|                          | A1244-N073   | 0,610                      |                        | 6,9                  | 26                   | 8                    | 0,61                        |
|                          | A1244-N072   | 0,635                      | No.72                  | 6,9                  | 26                   | 8                    | 0,635                       |
|                          | A1244-0.65   | 0,65                       |                        | 6,9                  | 26                   | 8                    | 0,65                        |
|                          | A1244-N071   | 0,660                      |                        | 6,9                  | 26                   | 8                    | 0,66                        |
|                          | A1244-0.7    | 0,7                        |                        | 7,8                  | 28                   | 9                    | 0,7                         |
|                          | A1244-N070   | 0,711                      |                        | 7,8                  | 28                   | 9                    | 0,711                       |
|                          | A1244-N069   | 0,742                      |                        | 7,8                  | 28                   | 9                    | 0,742                       |
|                          | A1244-0.75   | 0,75                       |                        | 7,8                  | 28                   | 9                    | 0,75                        |
|                          | A1244-N068   | 0,787                      |                        | 8,7                  | 30                   | 10                   | 0,787                       |
|                          | A1244-1/32IN | 0,794                      | 1/32"                  | 8,7                  | 30                   | 10                   | 0,794                       |
|                          | A1244-0.8    | 0,8                        |                        | 8,7                  | 30                   | 10                   | 0,8                         |
|                          | A1244-N067   | 0,813                      |                        | 8,7                  | 30                   | 10                   | 0,813                       |
|                          | A1244-N066   | 0,838                      |                        | 8,7                  | 30                   | 10                   | 0,838                       |
|                          | A1244-0.85   | 0,85                       |                        | 8,7                  | 30                   | 10                   | 0,85                        |
|                          | A1244-N065   | 0,889                      | No.65                  | 9,5                  | 32                   | 11                   | 0,889                       |
|                          | A1244-0.9    | 0,9                        |                        | 9,5                  | 32                   | 11                   | 0,9                         |
|                          | A1244-N064   | 0,914                      |                        | 9,5                  | 32                   | 11                   | 0,914                       |
|                          | A1244-N063   | 0,940                      |                        | 9,5                  | 32                   | 11                   | 0,94                        |
|                          | A1244-0.95   | 0,95                       |                        | 9,5                  | 32                   | 11                   | 0,95                        |
| A1244-N062               | 0,965        |                            | 10                     | 34                   | 12                   | 0,965                |                             |
| A1244-N061               | 0,991        |                            | 10                     | 34                   | 12                   | 0,991                |                             |
| A1244-1                  | 1            |                            | 10                     | 34                   | 12                   | 1                    |                             |

**WALTER  
SELECT**

 ●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки

## Инструмент



Cylindrical shank

| Обозначение  | D <sub>c</sub><br>h8<br>мм | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>мм | l <sub>1</sub><br>мм | l <sub>2</sub><br>мм | d <sub>1</sub><br>f11<br>мм |
|--------------|----------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------------|
| A1244-N060   | 1,016                      | No. 60                 | 10                   | 34                   | 12                   | 1,016                       |
| A1244-N059   | 1,041                      | No. 59                 | 10                   | 34                   | 12                   | 1,041                       |
| A1244-1.05   | 1,05                       |                        | 10                   | 34                   | 12                   | 1,05                        |
| A1244-N058   | 1,067                      | No. 58                 | 12                   | 36                   | 14                   | 1,067                       |
| A1244-N057   | 1,092                      | No. 57                 | 12                   | 36                   | 14                   | 1,092                       |
| A1244-1.1    | 1,1                        |                        | 12                   | 36                   | 14                   | 1,1                         |
| A1244-1.15   | 1,15                       |                        | 12                   | 36                   | 14                   | 1,15                        |
| A1244-N056   | 1,181                      | No. 56                 | 14                   | 38                   | 16                   | 1,181                       |
| A1244-3/64IN | 1,191                      | 3/64"                  | 14                   | 38                   | 16                   | 1,191                       |
| A1244-1.2    | 1,2                        |                        | 14                   | 38                   | 16                   | 1,2                         |
| A1244-1.25   | 1,25                       |                        | 14                   | 38                   | 16                   | 1,25                        |
| A1244-1.3    | 1,3                        |                        | 14                   | 38                   | 16                   | 1,3                         |
| A1244-N055   | 1,321                      | No. 55                 | 15                   | 40                   | 18                   | 1,321                       |
| A1244-1.35   | 1,35                       |                        | 15                   | 40                   | 18                   | 1,35                        |
| A1244-N054   | 1,397                      | No. 54                 | 15                   | 40                   | 18                   | 1,397                       |
| A1244-1.4    | 1,4                        |                        | 15                   | 40                   | 18                   | 1,4                         |
| A1244-1.45   | 1,45                       |                        | 15                   | 40                   | 18                   | 1,45                        |
| A1244-1.5    | 1,5                        |                        | 15                   | 40                   | 18                   | 1,5                         |
| A1244-N053   | 1,511                      | No. 53                 | 17                   | 43                   | 20                   | 1,511                       |
| A1244-1.55   | 1,55                       |                        | 17                   | 43                   | 20                   | 1,55                        |
| A1244-1/16IN | 1,588                      | 1/16"                  | 17                   | 43                   | 20                   | 1,588                       |
| A1244-1.6    | 1,6                        |                        | 17                   | 43                   | 20                   | 1,6                         |
| A1244-N052   | 1,613                      | No. 52                 | 17                   | 43                   | 20                   | 1,613                       |
| A1244-1.65   | 1,65                       |                        | 17                   | 43                   | 20                   | 1,65                        |
| A1244-1.7    | 1,7                        |                        | 17                   | 43                   | 20                   | 1,7                         |
| A1244-N051   | 1,702                      | No. 51                 | 19                   | 46                   | 22                   | 1,702                       |
| A1244-1.75   | 1,75                       |                        | 19                   | 46                   | 22                   | 1,75                        |
| A1244-N050   | 1,778                      | No. 50                 | 19                   | 46                   | 22                   | 1,778                       |
| A1244-1.8    | 1,8                        |                        | 19                   | 46                   | 22                   | 1,8                         |
| A1244-1.85   | 1,85                       |                        | 19                   | 46                   | 22                   | 1,85                        |
| A1244-N049   | 1,854                      | No. 49                 | 19                   | 46                   | 22                   | 1,854                       |
| A1244-1.9    | 1,9                        |                        | 19                   | 46                   | 22                   | 1,9                         |
| A1244-N048   | 1,930                      | No. 48                 | 20                   | 49                   | 24                   | 1,93                        |
| A1244-1.95   | 1,95                       |                        | 20                   | 49                   | 24                   | 1,95                        |
| A1244-5/64IN | 1,984                      | 5/64"                  | 20                   | 49                   | 24                   | 1,984                       |
| A1244-N047   | 1,994                      | No. 47                 | 20                   | 49                   | 24                   | 1,994                       |
| A1244-2      | 2                          |                        | 20                   | 49                   | 24                   | 2                           |
| A1244-2.05   | 2,05                       |                        | 20                   | 49                   | 24                   | 2,05                        |
| A1244-N046   | 2,057                      | No. 46                 | 20                   | 49                   | 24                   | 2,057                       |
| A1244-N045   | 2,083                      | No. 45                 | 20                   | 49                   | 24                   | 2,083                       |
| A1244-2.1    | 2,1                        |                        | 20                   | 49                   | 24                   | 2,1                         |
| A1244-2.15   | 2,15                       |                        | 23                   | 53                   | 27                   | 2,15                        |
| A1244-N044   | 2,184                      | No. 44                 | 23                   | 53                   | 27                   | 2,184                       |
| A1244-2.2    | 2,2                        |                        | 23                   | 53                   | 27                   | 2,2                         |
| A1244-2.25   | 2,25                       |                        | 23                   | 53                   | 27                   | 2,25                        |
| A1244-2.3    | 2,3                        |                        | 23                   | 53                   | 27                   | 2,3                         |

B1

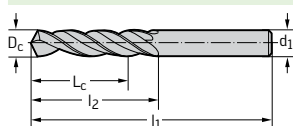
WALTER  
SELECT

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

☺ ☹ ☹ / \* = Новый инструмент

Свёрла быстрорежущие В 363

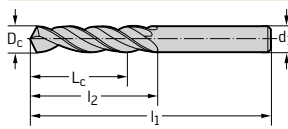
## Инструмент



Cylindrical shank

| Обозначение  | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|--------------|----------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------------|
| A1244-2.35   | 2,35                       |                        | 23                   | 53                   | 27                   | 2,35                        |
| A1244-N042   | 2,375                      | No. 42                 | 26                   | 57                   | 30                   | 2,375                       |
| A1244-3/32IN | 2,381                      | 3/32"                  | 26                   | 57                   | 30                   | 2,381                       |
| A1244-2.4    | 2,4                        |                        | 26                   | 57                   | 30                   | 2,4                         |
| A1244-N041   | 2,438                      | No. 41                 | 26                   | 57                   | 30                   | 2,438                       |
| A1244-2.45   | 2,45                       |                        | 26                   | 57                   | 30                   | 2,45                        |
| A1244-N040   | 2,489                      | No. 40                 | 26                   | 57                   | 30                   | 2,489                       |
| A1244-2.5    | 2,5                        |                        | 26                   | 57                   | 30                   | 2,5                         |
| A1244-N039   | 2,527                      | No. 39                 | 26                   | 57                   | 30                   | 2,527                       |
| A1244-2.55   | 2,55                       |                        | 26                   | 57                   | 30                   | 2,55                        |
| A1244-N038   | 2,578                      | No. 38                 | 26                   | 57                   | 30                   | 2,578                       |
| A1244-2.6    | 2,6                        |                        | 26                   | 57                   | 30                   | 2,6                         |
| A1244-N037   | 2,642                      | No. 37                 | 26                   | 57                   | 30                   | 2,642                       |
| A1244-2.65   | 2,65                       |                        | 26                   | 57                   | 30                   | 2,65                        |
| A1244-2.7    | 2,7                        |                        | 28                   | 61                   | 33                   | 2,7                         |
| A1244-2.75   | 2,75                       |                        | 28                   | 61                   | 33                   | 2,75                        |
| A1244-7/64IN | 2,778                      | 7/64"                  | 28                   | 61                   | 33                   | 2,778                       |
| A1244-2.8    | 2,8                        |                        | 28                   | 61                   | 33                   | 2,8                         |
| A1244-N034   | 2,819                      | No. 34                 | 28                   | 61                   | 33                   | 2,819                       |
| A1244-2.85   | 2,85                       |                        | 28                   | 61                   | 33                   | 2,85                        |
| A1244-N033   | 2,870                      | No. 33                 | 28                   | 61                   | 33                   | 2,87                        |
| A1244-2.9    | 2,9                        |                        | 28                   | 61                   | 33                   | 2,9                         |
| A1244-N032   | 2,946                      | No. 32                 | 28                   | 61                   | 33                   | 2,946                       |
| A1244-2.95   | 2,95                       |                        | 28                   | 61                   | 33                   | 2,95                        |
| A1244-3      | 3                          |                        | 28                   | 61                   | 33                   | 3                           |
| A1244-N031   | 3,048                      | No. 31                 | 30                   | 65                   | 36                   | 3,048                       |
| A1244-3.1    | 3,1                        |                        | 30                   | 65                   | 36                   | 3,1                         |
| A1244-1/8IN  | 3,175                      | 1/8"                   | 30                   | 65                   | 36                   | 3,175                       |
| A1244-3.2    | 3,2                        |                        | 30                   | 65                   | 36                   | 3,2                         |
| A1244-N030   | 3,264                      | No. 30                 | 30                   | 65                   | 36                   | 3,264                       |
| A1244-3.3    | 3,3                        |                        | 30                   | 65                   | 36                   | 3,3                         |
| A1244-3.4    | 3,4                        |                        | 33                   | 70                   | 39                   | 3,4                         |
| A1244-N029   | 3,454                      | No. 29                 | 33                   | 70                   | 39                   | 3,454                       |
| A1244-3.5    | 3,5                        |                        | 33                   | 70                   | 39                   | 3,5                         |
| A1244-N028   | 3,569                      | No. 28                 | 33                   | 70                   | 39                   | 3,569                       |
| A1244-9/64IN | 3,572                      | 9/64"                  | 33                   | 70                   | 39                   | 3,572                       |
| A1244-3.6    | 3,6                        |                        | 33                   | 70                   | 39                   | 3,6                         |
| A1244-3.65   | 3,65                       |                        | 33                   | 70                   | 39                   | 3,65                        |
| A1244-N027   | 3,658                      | No. 27                 | 33                   | 70                   | 39                   | 3,658                       |
| A1244-3.7    | 3,7                        |                        | 33                   | 70                   | 39                   | 3,7                         |
| A1244-N026   | 3,734                      | No. 26                 | 33                   | 70                   | 39                   | 3,734                       |
| A1244-N025   | 3,797                      | No. 25                 | 36                   | 75                   | 43                   | 3,797                       |
| A1244-3.8    | 3,8                        |                        | 36                   | 75                   | 43                   | 3,8                         |
| A1244-N024   | 3,861                      | No. 24                 | 36                   | 75                   | 43                   | 3,861                       |
| A1244-3.9    | 3,9                        |                        | 36                   | 75                   | 43                   | 3,9                         |
| A1244-N023   | 3,912                      | No. 23                 | 36                   | 75                   | 43                   | 3,912                       |

## Инструмент



Cylindrical shank

| Обозначение   | D <sub>c</sub><br>h8<br>мм | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>мм | l <sub>1</sub><br>мм | l <sub>2</sub><br>мм | d <sub>1</sub><br>f11<br>мм |
|---------------|----------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------------|
| A1244-5/32IN  | 3,969                      | 5/32"                  | 36                   | 75                   | 43                   | 3,969                       |
| A1244-4       | 4                          |                        | 36                   | 75                   | 43                   | 4                           |
| A1244-N021    | 4,039                      | No. 21                 | 36                   | 75                   | 43                   | 4,039                       |
| A1244-N020    | 4,089                      | No. 20                 | 36                   | 75                   | 43                   | 4,089                       |
| A1244-4.1     | 4,1                        |                        | 36                   | 75                   | 43                   | 4,1                         |
| A1244-4.2     | 4,2                        |                        | 36                   | 75                   | 43                   | 4,2                         |
| A1244-N019    | 4,216                      | No. 19                 | 36                   | 75                   | 43                   | 4,216                       |
| A1244-4.3     | 4,3                        |                        | 39                   | 80                   | 47                   | 4,3                         |
| A1244-11/64IN | 4,366                      | 11/64"                 | 39                   | 80                   | 47                   | 4,366                       |
| A1244-4.4     | 4,4                        |                        | 39                   | 80                   | 47                   | 4,4                         |
| A1244-4.5     | 4,5                        |                        | 39                   | 80                   | 47                   | 4,5                         |
| A1244-N015    | 4,572                      | No. 15                 | 39                   | 80                   | 47                   | 4,572                       |
| A1244-4.6     | 4,6                        |                        | 39                   | 80                   | 47                   | 4,6                         |
| A1244-N014    | 4,623                      | No. 14                 | 39                   | 80                   | 47                   | 4,623                       |
| A1244-4.7     | 4,7                        |                        | 39                   | 80                   | 47                   | 4,7                         |
| A1244-3/16IN  | 4,763                      | 3/16"                  | 44                   | 86                   | 52                   | 4,763                       |
| A1244-4.8     | 4,8                        |                        | 44                   | 86                   | 52                   | 4,8                         |
| A1244-N012    | 4,801                      | No. 12                 | 44                   | 86                   | 52                   | 4,801                       |
| A1244-N011    | 4,851                      | No. 11                 | 44                   | 86                   | 52                   | 4,851                       |
| A1244-4.9     | 4,9                        |                        | 44                   | 86                   | 52                   | 4,9                         |
| A1244-N010    | 4,915                      | No. 10                 | 44                   | 86                   | 52                   | 4,915                       |
| A1244-N09     | 4,978                      | No. 09                 | 44                   | 86                   | 52                   | 4,978                       |
| A1244-5       | 5                          |                        | 44                   | 86                   | 52                   | 5                           |
| A1244-N08     | 5,055                      | No. 08                 | 44                   | 86                   | 52                   | 5,055                       |
| A1244-5.1     | 5,1                        |                        | 44                   | 86                   | 52                   | 5,1                         |
| A1244-N07     | 5,105                      | No. 07                 | 44                   | 86                   | 52                   | 5,105                       |
| A1244-13/64IN | 5,159                      | 13/64"                 | 44                   | 86                   | 52                   | 5,159                       |
| A1244-5.2     | 5,2                        |                        | 44                   | 86                   | 52                   | 5,2                         |
| A1244-N05     | 5,220                      | No. 05                 | 44                   | 86                   | 52                   | 5,22                        |
| A1244-5.3     | 5,3                        |                        | 44                   | 86                   | 52                   | 5,3                         |
| A1244-5.4     | 5,4                        |                        | 48                   | 93                   | 57                   | 5,4                         |
| A1244-N03     | 5,410                      | No. 03                 | 48                   | 93                   | 57                   | 5,41                        |
| A1244-5.5     | 5,5                        |                        | 48                   | 93                   | 57                   | 5,5                         |
| A1244-7/32IN  | 5,556                      | 7/32"                  | 48                   | 93                   | 57                   | 5,556                       |
| A1244-5.6     | 5,6                        |                        | 48                   | 93                   | 57                   | 5,6                         |
| A1244-N02     | 5,613                      | No. 02                 | 48                   | 93                   | 57                   | 5,613                       |
| A1244-5.7     | 5,7                        |                        | 48                   | 93                   | 57                   | 5,7                         |
| A1244-5.8     | 5,8                        |                        | 48                   | 93                   | 57                   | 5,8                         |
| A1244-5.9     | 5,9                        |                        | 48                   | 93                   | 57                   | 5,9                         |
| A1244-6       | 6                          |                        | 48                   | 93                   | 57                   | 6                           |
| A1244-6.1     | 6,1                        |                        | 52                   | 101                  | 63                   | 6,1                         |
| A1244-6.2     | 6,2                        |                        | 52                   | 101                  | 63                   | 6,2                         |
| A1244-6.3     | 6,3                        |                        | 52                   | 101                  | 63                   | 6,3                         |
| A1244-1/4IN   | 6,350                      | 1/4"                   | 52                   | 101                  | 63                   | 6,35                        |
| A1244-6.4     | 6,4                        |                        | 52                   | 101                  | 63                   | 6,4                         |
| A1244-6.5     | 6,5                        |                        | 52                   | 101                  | 63                   | 6,5                         |

B1

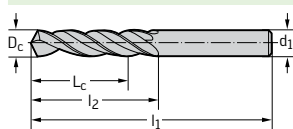
WALTER  
SELECT

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условия обработки

☺ ☹ ☹ / \* = Новый инструмент

Свёрла быстрорежущие В 365

## Инструмент

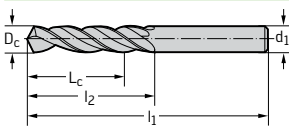


Cylindrical shank

| Обозначение   | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|---------------|----------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------------|
| A1244-6.6     | 6,6                        |                        | 52                   | 101                  | 63                   | 6,6                         |
| A1244-6.7     | 6,7                        |                        | 52                   | 101                  | 63                   | 6,7                         |
| A1244-17/64IN | 6,747                      | 17/64"                 | 57                   | 109                  | 69                   | 6,747                       |
| A1244-6.8     | 6,8                        |                        | 57                   | 109                  | 69                   | 6,8                         |
| A1244-6.9     | 6,9                        |                        | 57                   | 109                  | 69                   | 6,9                         |
| A1244-7       | 7                          |                        | 57                   | 109                  | 69                   | 7                           |
| A1244-7.1     | 7,1                        |                        | 57                   | 109                  | 69                   | 7,1                         |
| A1244-9/32IN  | 7,144                      | 9/32"                  | 57                   | 109                  | 69                   | 7,144                       |
| A1244-7.2     | 7,2                        |                        | 57                   | 109                  | 69                   | 7,2                         |
| A1244-7.3     | 7,3                        |                        | 57                   | 109                  | 69                   | 7,3                         |
| A1244-7.4     | 7,4                        |                        | 57                   | 109                  | 69                   | 7,4                         |
| A1244-7.5     | 7,5                        |                        | 57                   | 109                  | 69                   | 7,5                         |
| A1244-19/64IN | 7,541                      | 19/64"                 | 62                   | 117                  | 75                   | 7,541                       |
| A1244-7.6     | 7,6                        |                        | 62                   | 117                  | 75                   | 7,6                         |
| A1244-7.7     | 7,7                        |                        | 62                   | 117                  | 75                   | 7,7                         |
| A1244-7.8     | 7,8                        |                        | 62                   | 117                  | 75                   | 7,8                         |
| A1244-7.9     | 7,9                        |                        | 62                   | 117                  | 75                   | 7,9                         |
| A1244-5/16IN  | 7,938                      | 5/16"                  | 62                   | 117                  | 75                   | 7,938                       |
| A1244-8       | 8                          |                        | 62                   | 117                  | 75                   | 8                           |
| A1244-8.1     | 8,1                        |                        | 62                   | 117                  | 75                   | 8,1                         |
| A1244-8.2     | 8,2                        |                        | 62                   | 117                  | 75                   | 8,2                         |
| A1244-8.3     | 8,3                        |                        | 62                   | 117                  | 75                   | 8,3                         |
| A1244-21/64IN | 8,334                      | 21/64"                 | 62                   | 117                  | 75                   | 8,334                       |
| A1244-8.4     | 8,4                        |                        | 62                   | 117                  | 75                   | 8,4                         |
| A1244-8.5     | 8,5                        |                        | 62                   | 117                  | 75                   | 8,5                         |
| A1244-8.6     | 8,6                        |                        | 66                   | 125                  | 81                   | 8,6                         |
| A1244-8.7     | 8,7                        |                        | 66                   | 125                  | 81                   | 8,7                         |
| A1244-11/32IN | 8,731                      | 11/32"                 | 66                   | 125                  | 81                   | 8,731                       |
| A1244-8.8     | 8,8                        |                        | 66                   | 125                  | 81                   | 8,8                         |
| A1244-8.9     | 8,9                        |                        | 66                   | 125                  | 81                   | 8,9                         |
| A1244-9       | 9                          |                        | 66                   | 125                  | 81                   | 9                           |
| A1244-9.1     | 9,1                        |                        | 66                   | 125                  | 81                   | 9,1                         |
| A1244-9.2     | 9,2                        |                        | 66                   | 125                  | 81                   | 9,2                         |
| A1244-9.3     | 9,3                        |                        | 66                   | 125                  | 81                   | 9,3                         |
| A1244-9.4     | 9,4                        |                        | 66                   | 125                  | 81                   | 9,4                         |
| A1244-9.5     | 9,5                        |                        | 66                   | 125                  | 81                   | 9,5                         |
| A1244-3/8IN   | 9,525                      | 3/8"                   | 71                   | 133                  | 87                   | 9,525                       |
| A1244-9.6     | 9,6                        |                        | 71                   | 133                  | 87                   | 9,6                         |
| A1244-9.7     | 9,7                        |                        | 71                   | 133                  | 87                   | 9,7                         |
| A1244-9.8     | 9,8                        |                        | 71                   | 133                  | 87                   | 9,8                         |
| A1244-9.9     | 9,9                        |                        | 71                   | 133                  | 87                   | 9,9                         |
| A1244-10      | 10                         |                        | 71                   | 133                  | 87                   | 10                          |
| A1244-10.2    | 10,2                       |                        | 71                   | 133                  | 87                   | 10,2                        |
| A1244-13/32IN | 10,319                     | 13/32"                 | 71                   | 133                  | 87                   | 10,319                      |
| A1244-10.5    | 10,5                       |                        | 71                   | 133                  | 87                   | 10,5                        |
| A1244-27/64IN | 10,716                     | 27/64"                 | 76                   | 142                  | 94                   | 10,716                      |

B1

## Инструмент

| Инструмент   | Обозначение   | D <sub>c</sub><br>h8<br>мм | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>мм | l <sub>1</sub><br>мм | l <sub>2</sub><br>мм | d <sub>1</sub><br>f11<br>мм |
|--|---------------|----------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------------|
|  <p>Cylindrical shank</p> | A1244-11      | 11                         |                        | 76                   | 142                  | 94                   | 11                          |
|  | A1244-7/16IN  | 11,113                     | 7/16"                  | 76                   | 142                  | 94                   | 11,113                      |
|  | A1244-11.2    | 11,2                       |                        | 76                   | 142                  | 94                   | 11,2                        |
|  | A1244-11.5    | 11,5                       |                        | 76                   | 142                  | 94                   | 11,5                        |
|  | A1244-15/32IN | 11,906                     | 15/32"                 | 87                   | 151                  | 101                  | 11,906                      |
|  | A1244-12      | 12                         |                        | 87                   | 151                  | 101                  | 12                          |
|  | A1244-31/64IN | 12,303                     | 31/64"                 | 87                   | 151                  | 101                  | 12,303                      |
|  | A1244-12.5    | 12,5                       |                        | 87                   | 151                  | 101                  | 12,5                        |
|  | A1244-1/2IN   | 12,700                     | 1/2"                   | 87                   | 151                  | 101                  | 12,7                        |
|  | A1244-13      | 13                         |                        | 87                   | 151                  | 101                  | 13                          |
|  | A1244-33/64IN | 13,097                     |                        | 87                   | 151                  | 101                  | 13,097                      |
|  | A1244-17/32IN | 13,494                     | 17/32"                 | 94                   | 160                  | 108                  | 13,494                      |
|  | A1244-13.5    | 13,5                       |                        | 94                   | 160                  | 108                  | 13,5                        |
|  | A1244-35/64IN | 13,891                     |                        | 94                   | 160                  | 108                  | 13,891                      |
|  | A1244-14      | 14                         |                        | 94                   | 160                  | 108                  | 14                          |
| A1244-9/16IN   | 14,288        | 9/16"                      | 99                     | 169                  | 114                  | 14,288               |                             |
| A1244-14.5   | 14,5          |                            | 99                     | 169                  | 114                  | 14,5                 |                             |
| A1244-15   | 15            |                            | 99                     | 169                  | 114                  | 15                   |                             |

B1

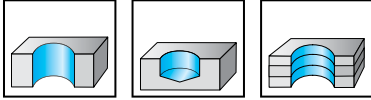
WALTER  
SELECT

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = 😐 → неблагоприятных = ☹ условий обработки


# Набор свёрл спиральных быстрорежущих HSS-E A1244 Z3515



- Тип VA



B1

| Инструмент  |              |                         |                         |           |                 |
|---|--------------|-------------------------|-------------------------|-----------|-----------------|
|   | Обозначение  | D <sub>сmin</sub><br>mm | D <sub>сmax</sub><br>mm | Шаг<br>mm | Кол-во в наборе |
|  | Z3515-1-10.5 | 1                       | 10,5                    | 0,5       | 24              |

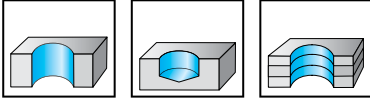
Корпус и сборочные детали входят в комплект поставки



# Набор свёрл спиральных быстрорежущих HSS-E A1244 Z3516



– Тип VA



B1

| Инструмент | Обозначение | D <sub>сmin</sub><br>mm | D <sub>сmax</sub><br>mm | Шаг<br>mm | Кол-во в наборе |
|------------|-------------|-------------------------|-------------------------|-----------|-----------------|
|            | Z3516-1-13  | 1                       | 13                      | 0,5       | 25              |

Корпус и сборочные детали входят в комплект поставки

**WALTER SELECT**

●● Основная область применения    ● Возможная область применения

Оптимально подходит для → хороших = ☺ → нормальных = 😐 → неблагоприятных = ☹ условий обработки

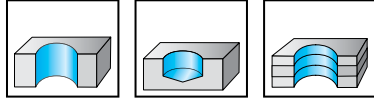
# Свёрла быстрорежущие для обработки глубоких отверстий

## A1222

### UFL®



- До 1,9 мм – без покрытия  
- Предлагаются в виде комплекта



|              |    |   |    |    |   |   |   |
|--------------|----|---|----|----|---|---|---|
|              | P  | M | K  | N  | S | H | O |
| без покрытия | ●● | ● | ●● | ●● | ● |   | ● |

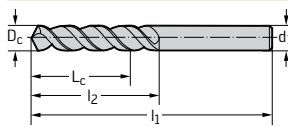
B1

| Инструмент               | Обозначение  | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|--------------------------|--------------|----------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------------|
| <p>Cylindrical shank</p> | A1222-1      | 1                          |                        | 10                   | 34                   | 12                   | 1                           |
|                          | A1222-N060   | 1,016                      | No. 60                 | 10                   | 34                   | 12                   | 1,016                       |
|                          | A1222-N059   | 1,041                      | No. 59                 | 10                   | 34                   | 12                   | 1,041                       |
|                          | A1222-N058   | 1,067                      | No. 58                 | 12                   | 36                   | 14                   | 1,067                       |
|                          | A1222-N057   | 1,092                      | No. 57                 | 12                   | 36                   | 14                   | 1,092                       |
|                          | A1222-1.1    | 1,1                        |                        | 12                   | 36                   | 14                   | 1,1                         |
|                          | A1222-N056   | 1,181                      | No. 56                 | 14                   | 38                   | 16                   | 1,181                       |
|                          | A1222-3/64IN | 1,191                      | 3/64"                  | 14                   | 38                   | 16                   | 1,191                       |
|                          | A1222-1.2    | 1,2                        |                        | 14                   | 38                   | 16                   | 1,2                         |
|                          | A1222-1.25   | 1,25                       |                        | 14                   | 38                   | 16                   | 1,25                        |
|                          | A1222-1.3    | 1,3                        |                        | 14                   | 38                   | 16                   | 1,3                         |
|                          | A1222-N055   | 1,321                      | No. 55                 | 15                   | 40                   | 18                   | 1,321                       |
|                          | A1222-N054   | 1,397                      | No. 54                 | 15                   | 40                   | 18                   | 1,397                       |
|                          | A1222-1.4    | 1,4                        |                        | 15                   | 40                   | 18                   | 1,4                         |
|                          | A1222-1.5    | 1,5                        |                        | 15                   | 40                   | 18                   | 1,5                         |
|                          | A1222-N053   | 1,511                      | No. 53                 | 17                   | 43                   | 20                   | 1,511                       |
|                          | A1222-1/16IN | 1,588                      | 1/16"                  | 17                   | 43                   | 20                   | 1,588                       |
|                          | A1222-1.6    | 1,6                        |                        | 17                   | 43                   | 20                   | 1,6                         |
|                          | A1222-N052   | 1,613                      | No. 52                 | 17                   | 43                   | 20                   | 1,613                       |
|                          | A1222-1.7    | 1,7                        |                        | 17                   | 43                   | 20                   | 1,7                         |
|                          | A1222-N051   | 1,702                      | No. 51                 | 19                   | 46                   | 22                   | 1,702                       |
|                          | A1222-N050   | 1,778                      | No. 50                 | 19                   | 46                   | 22                   | 1,778                       |
|                          | A1222-1.8    | 1,8                        |                        | 19                   | 46                   | 22                   | 1,8                         |
|                          | A1222-N049   | 1,854                      | No. 49                 | 19                   | 46                   | 22                   | 1,854                       |
|                          | A1222-1.9    | 1,9                        |                        | 19                   | 46                   | 22                   | 1,9                         |
|                          | A1222-N048   | 1,930                      | No. 48                 | 20                   | 49                   | 24                   | 1,93                        |
|                          | A1222-5/64IN | 1,984                      | 5/64"                  | 20                   | 49                   | 24                   | 1,984                       |
|                          | A1222-N047   | 1,994                      | No. 47                 | 20                   | 49                   | 24                   | 1,994                       |
|                          | A1222-2      | 2                          |                        | 20                   | 49                   | 24                   | 2                           |
|                          | A1222-N046   | 2,057                      | No. 46                 | 20                   | 49                   | 24                   | 2,057                       |
|                          | A1222-N045   | 2,083                      | No. 45                 | 20                   | 49                   | 24                   | 2,083                       |
|                          | A1222-2.1    | 2,1                        |                        | 20                   | 49                   | 24                   | 2,1                         |
| A1222-N044               | 2,184        | No. 44                     | 23                     | 53                   | 27                   | 2,184                |                             |
| A1222-2.2                | 2,2          |                            | 23                     | 53                   | 27                   | 2,2                  |                             |
| A1222-N043               | 2,261        | No. 43                     | 23                     | 53                   | 27                   | 2,261                |                             |
| A1222-2.3                | 2,3          |                            | 23                     | 53                   | 27                   | 2,3                  |                             |

**WALTER  
SELECT**

●● Основная область применения ● Возможная область применения  
Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки

## Инструмент



Cylindrical shank

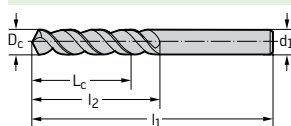
| Обозначение  | D <sub>c</sub><br>h8<br>мм | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>мм | l <sub>1</sub><br>мм | l <sub>2</sub><br>мм | d <sub>1</sub><br>f11<br>мм |
|--------------|----------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------------|
| A1222-N042   | 2,375                      | No. 42                 | 26                   | 57                   | 30                   | 2,375                       |
| A1222-3/32IN | 2,381                      | 3/32"                  | 26                   | 57                   | 30                   | 2,381                       |
| A1222-2.4    | 2,4                        |                        | 26                   | 57                   | 30                   | 2,4                         |
| A1222-N041   | 2,438                      | No. 41                 | 26                   | 57                   | 30                   | 2,438                       |
| A1222-N040   | 2,489                      | No. 40                 | 26                   | 57                   | 30                   | 2,489                       |
| A1222-2.5    | 2,5                        |                        | 26                   | 57                   | 30                   | 2,5                         |
| A1222-N039   | 2,527                      | No. 39                 | 26                   | 57                   | 30                   | 2,527                       |
| A1222-N038   | 2,578                      | No. 38                 | 26                   | 57                   | 30                   | 2,578                       |
| A1222-2.6    | 2,6                        |                        | 26                   | 57                   | 30                   | 2,6                         |
| A1222-N037   | 2,642                      | No. 37                 | 26                   | 57                   | 30                   | 2,642                       |
| A1222-2.7    | 2,7                        |                        | 28                   | 61                   | 33                   | 2,7                         |
| A1222-N036   | 2,705                      | No. 36                 | 28                   | 61                   | 33                   | 2,705                       |
| A1222-7/64IN | 2,778                      | 7/64"                  | 28                   | 61                   | 33                   | 2,778                       |
| A1222-N035   | 2,794                      | No. 35                 | 28                   | 61                   | 33                   | 2,794                       |
| A1222-2.8    | 2,8                        |                        | 28                   | 61                   | 33                   | 2,8                         |
| A1222-N034   | 2,819                      | No. 34                 | 28                   | 61                   | 33                   | 2,819                       |
| A1222-N033   | 2,870                      | No. 33                 | 28                   | 61                   | 33                   | 2,87                        |
| A1222-2.9    | 2,9                        |                        | 28                   | 61                   | 33                   | 2,9                         |
| A1222-N032   | 2,946                      | No. 32                 | 28                   | 61                   | 33                   | 2,946                       |
| A1222-3      | 3                          |                        | 28                   | 61                   | 33                   | 3                           |
| A1222-N031   | 3,048                      | No. 31                 | 30                   | 65                   | 36                   | 3,048                       |
| A1222-3.1    | 3,1                        |                        | 30                   | 65                   | 36                   | 3,1                         |
| A1222-1/8IN  | 3,175                      | 1/8"                   | 30                   | 65                   | 36                   | 3,175                       |
| A1222-3.2    | 3,2                        |                        | 30                   | 65                   | 36                   | 3,2                         |
| A1222-N030   | 3,264                      | No. 30                 | 30                   | 65                   | 36                   | 3,264                       |
| A1222-3.3    | 3,3                        |                        | 30                   | 65                   | 36                   | 3,3                         |
| A1222-3.4    | 3,4                        |                        | 33                   | 70                   | 39                   | 3,4                         |
| A1222-N029   | 3,454                      | No. 29                 | 33                   | 70                   | 39                   | 3,454                       |
| A1222-3.5    | 3,5                        |                        | 33                   | 70                   | 39                   | 3,5                         |
| A1222-N028   | 3,569                      | No. 28                 | 33                   | 70                   | 39                   | 3,569                       |
| A1222-9/64IN | 3,572                      | 9/64"                  | 33                   | 70                   | 39                   | 3,572                       |
| A1222-3.6    | 3,6                        |                        | 33                   | 70                   | 39                   | 3,6                         |
| A1222-N027   | 3,658                      | No. 27                 | 33                   | 70                   | 39                   | 3,658                       |
| A1222-3.7    | 3,7                        |                        | 33                   | 70                   | 39                   | 3,7                         |
| A1222-N026   | 3,734                      | No. 26                 | 33                   | 70                   | 39                   | 3,734                       |
| A1222-N025   | 3,797                      | No. 25                 | 36                   | 75                   | 43                   | 3,797                       |
| A1222-3.8    | 3,8                        |                        | 36                   | 75                   | 43                   | 3,8                         |
| A1222-N024   | 3,861                      | No. 24                 | 36                   | 75                   | 43                   | 3,861                       |
| A1222-3.9    | 3,9                        |                        | 36                   | 75                   | 43                   | 3,9                         |
| A1222-N023   | 3,912                      | No. 23                 | 36                   | 75                   | 43                   | 3,912                       |
| A1222-5/32IN | 3,969                      | 5/32"                  | 36                   | 75                   | 43                   | 3,969                       |
| A1222-N022   | 3,988                      | No. 22                 | 36                   | 75                   | 43                   | 3,988                       |
| A1222-4      | 4                          |                        | 36                   | 75                   | 43                   | 4                           |
| A1222-N021   | 4,039                      | No. 21                 | 36                   | 75                   | 43                   | 4,039                       |
| A1222-N020   | 4,089                      | No. 20                 | 36                   | 75                   | 43                   | 4,089                       |
| A1222-4.1    | 4,1                        |                        | 36                   | 75                   | 43                   | 4,1                         |

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●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

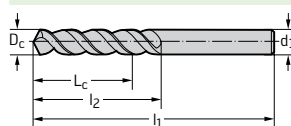
## Инструмент



Cylindrical shank

| Обозначение   | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|---------------|----------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------------|
| A1222-4.2     | 4,2                        |                        | 36                   | 75                   | 43                   | 4,2                         |
| A1222-N019    | 4,216                      | No. 19                 | 36                   | 75                   | 43                   | 4,216                       |
| A1222-4.3     | 4,3                        |                        | 39                   | 80                   | 47                   | 4,3                         |
| A1222-N018    | 4,305                      | No. 18                 | 39                   | 80                   | 47                   | 4,305                       |
| A1222-11/64IN | 4,366                      | 11/64"                 | 39                   | 80                   | 47                   | 4,366                       |
| A1222-N017    | 4,394                      | No. 17                 | 39                   | 80                   | 47                   | 4,394                       |
| A1222-4.4     | 4,4                        |                        | 39                   | 80                   | 47                   | 4,4                         |
| A1222-N016    | 4,496                      | No. 16                 | 39                   | 80                   | 47                   | 4,496                       |
| A1222-4.5     | 4,5                        |                        | 39                   | 80                   | 47                   | 4,5                         |
| A1222-N015    | 4,572                      | No. 15                 | 39                   | 80                   | 47                   | 4,572                       |
| A1222-4.6     | 4,6                        |                        | 39                   | 80                   | 47                   | 4,6                         |
| A1222-N014    | 4,623                      | No. 14                 | 39                   | 80                   | 47                   | 4,623                       |
| A1222-N013    | 4,699                      | No. 13                 | 39                   | 80                   | 47                   | 4,699                       |
| A1222-4.7     | 4,7                        |                        | 39                   | 80                   | 47                   | 4,7                         |
| A1222-3/16IN  | 4,763                      | 3/16"                  | 44                   | 86                   | 52                   | 4,763                       |
| A1222-4.8     | 4,8                        |                        | 44                   | 86                   | 52                   | 4,8                         |
| A1222-N012    | 4,801                      | No. 12                 | 44                   | 86                   | 52                   | 4,801                       |
| A1222-N011    | 4,851                      | No. 11                 | 44                   | 86                   | 52                   | 4,851                       |
| A1222-4.9     | 4,9                        |                        | 44                   | 86                   | 52                   | 4,9                         |
| A1222-N010    | 4,915                      | No. 10                 | 44                   | 86                   | 52                   | 4,915                       |
| A1222-N09     | 4,978                      | No. 09                 | 44                   | 86                   | 52                   | 4,978                       |
| A1222-5       | 5                          |                        | 44                   | 86                   | 52                   | 5                           |
| A1222-N08     | 5,055                      | No. 08                 | 44                   | 86                   | 52                   | 5,055                       |
| A1222-5.1     | 5,1                        |                        | 44                   | 86                   | 52                   | 5,1                         |
| A1222-N07     | 5,105                      | No. 07                 | 44                   | 86                   | 52                   | 5,105                       |
| A1222-13/64IN | 5,159                      | 13/64"                 | 44                   | 86                   | 52                   | 5,159                       |
| A1222-N06     | 5,182                      | No. 06                 | 44                   | 86                   | 52                   | 5,182                       |
| A1222-5.2     | 5,2                        |                        | 44                   | 86                   | 52                   | 5,2                         |
| A1222-N05     | 5,220                      | No. 05                 | 44                   | 86                   | 52                   | 5,22                        |
| A1222-5.3     | 5,3                        |                        | 44                   | 86                   | 52                   | 5,3                         |
| A1222-N04     | 5,309                      | No. 04                 | 48                   | 93                   | 57                   | 5,309                       |
| A1222-5.4     | 5,4                        |                        | 48                   | 93                   | 57                   | 5,4                         |
| A1222-N03     | 5,410                      | No. 03                 | 48                   | 93                   | 57                   | 5,41                        |
| A1222-5.5     | 5,5                        |                        | 48                   | 93                   | 57                   | 5,5                         |
| A1222-7/32IN  | 5,556                      | 7/32"                  | 48                   | 93                   | 57                   | 5,556                       |
| A1222-5.6     | 5,6                        |                        | 48                   | 93                   | 57                   | 5,6                         |
| A1222-N02     | 5,613                      | No. 02                 | 48                   | 93                   | 57                   | 5,613                       |
| A1222-5.7     | 5,7                        |                        | 48                   | 93                   | 57                   | 5,7                         |
| A1222-N01     | 5,791                      | No. 01                 | 48                   | 93                   | 57                   | 5,791                       |
| A1222-5.8     | 5,8                        |                        | 48                   | 93                   | 57                   | 5,8                         |
| A1222-5.9     | 5,9                        |                        | 48                   | 93                   | 57                   | 5,9                         |
| A1222-LET.A   | 5,944                      | Let. A                 | 48                   | 93                   | 57                   | 5,944                       |
| A1222-15/64IN | 5,953                      | 15/64"                 | 48                   | 93                   | 57                   | 5,953                       |
| A1222-6       | 6                          |                        | 48                   | 93                   | 57                   | 6                           |
| A1222-LET.B   | 6,045                      | Let. B                 | 52                   | 101                  | 63                   | 6,045                       |
| A1222-6.1     | 6,1                        |                        | 52                   | 101                  | 63                   | 6,1                         |

## Инструмент



Cylindrical shank

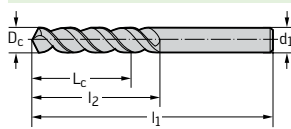
| Обозначение   | D <sub>c</sub><br>h8<br>мм | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>мм | l <sub>1</sub><br>мм | l <sub>2</sub><br>мм | d <sub>1</sub><br>f11<br>мм |
|---------------|----------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------------|
| A1222-LET.C   | 6,147                      | Let. C                 | 52                   | 101                  | 63                   | 6,147                       |
| A1222-6.2     | 6,2                        |                        | 52                   | 101                  | 63                   | 6,2                         |
| A1222-LET.D   | 6,248                      | Let. D                 | 52                   | 101                  | 63                   | 6,248                       |
| A1222-6.3     | 6,3                        |                        | 52                   | 101                  | 63                   | 6,3                         |
| A1222-1/4IN   | 6,350                      | 1/4"                   | 52                   | 101                  | 63                   | 6,35                        |
| A1222-6.4     | 6,4                        |                        | 52                   | 101                  | 63                   | 6,4                         |
| A1222-6.5     | 6,5                        |                        | 52                   | 101                  | 63                   | 6,5                         |
| A1222-LET.F   | 6,528                      | Let. F                 | 52                   | 101                  | 63                   | 6,528                       |
| A1222-6.6     | 6,6                        |                        | 52                   | 101                  | 63                   | 6,6                         |
| A1222-LET.G   | 6,629                      | Let. G                 | 52                   | 101                  | 63                   | 6,629                       |
| A1222-6.7     | 6,7                        |                        | 52                   | 101                  | 63                   | 6,7                         |
| A1222-17/64IN | 6,747                      | 17/64"                 | 57                   | 109                  | 69                   | 6,747                       |
| A1222-LET.H   | 6,756                      | Let. H                 | 57                   | 109                  | 69                   | 6,756                       |
| A1222-6.8     | 6,8                        |                        | 57                   | 109                  | 69                   | 6,8                         |
| A1222-6.9     | 6,9                        |                        | 57                   | 109                  | 69                   | 6,9                         |
| A1222-LET.I   | 6,909                      | Let. I                 | 57                   | 109                  | 69                   | 6,909                       |
| A1222-7       | 7                          |                        | 57                   | 109                  | 69                   | 7                           |
| A1222-LET.J   | 7,036                      | Let. J                 | 57                   | 109                  | 69                   | 7,036                       |
| A1222-7.1     | 7,1                        |                        | 57                   | 109                  | 69                   | 7,1                         |
| A1222-LET.K   | 7,137                      | Let. K                 | 57                   | 109                  | 69                   | 7,137                       |
| A1222-9/32IN  | 7,144                      | 9/32"                  | 57                   | 109                  | 69                   | 7,144                       |
| A1222-7.2     | 7,2                        |                        | 57                   | 109                  | 69                   | 7,2                         |
| A1222-7.3     | 7,3                        |                        | 57                   | 109                  | 69                   | 7,3                         |
| A1222-LET.L   | 7,366                      | Let. L                 | 57                   | 109                  | 69                   | 7,366                       |
| A1222-7.4     | 7,4                        |                        | 57                   | 109                  | 69                   | 7,4                         |
| A1222-LET.M   | 7,493                      | Let. M                 | 57                   | 109                  | 69                   | 7,493                       |
| A1222-7.5     | 7,5                        |                        | 57                   | 109                  | 69                   | 7,5                         |
| A1222-19/64IN | 7,541                      | 19/64"                 | 62                   | 117                  | 75                   | 7,541                       |
| A1222-7.6     | 7,6                        |                        | 62                   | 117                  | 75                   | 7,6                         |
| A1222-LET.N   | 7,671                      | Let. N                 | 62                   | 117                  | 75                   | 7,671                       |
| A1222-7.7     | 7,7                        |                        | 62                   | 117                  | 75                   | 7,7                         |
| A1222-7.8     | 7,8                        |                        | 62                   | 117                  | 75                   | 7,8                         |
| A1222-7.9     | 7,9                        |                        | 62                   | 117                  | 75                   | 7,9                         |
| A1222-5/16IN  | 7,938                      | 5/16"                  | 62                   | 117                  | 75                   | 7,938                       |
| A1222-8       | 8                          |                        | 62                   | 117                  | 75                   | 8                           |
| A1222-LET.O   | 8,026                      | Let. O                 | 62                   | 117                  | 75                   | 8,026                       |
| A1222-8.1     | 8,1                        |                        | 62                   | 117                  | 75                   | 8,1                         |
| A1222-8.2     | 8,2                        |                        | 62                   | 117                  | 75                   | 8,2                         |
| A1222-LET.P   | 8,204                      | Let. P                 | 62                   | 117                  | 75                   | 8,204                       |
| A1222-8.3     | 8,3                        |                        | 62                   | 117                  | 75                   | 8,3                         |
| A1222-21/64IN | 8,334                      | 21/64"                 | 62                   | 117                  | 75                   | 8,334                       |
| A1222-8.4     | 8,4                        |                        | 62                   | 117                  | 75                   | 8,4                         |
| A1222-LET.Q   | 8,433                      | Let. Q                 | 62                   | 117                  | 75                   | 8,433                       |
| A1222-8.5     | 8,5                        |                        | 62                   | 117                  | 75                   | 8,5                         |
| A1222-8.6     | 8,6                        |                        | 66                   | 125                  | 81                   | 8,6                         |
| A1222-LET.R   | 8,611                      | Let. R                 | 66                   | 125                  | 81                   | 8,611                       |

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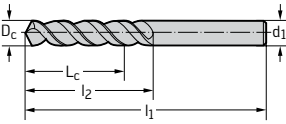
●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

## Инструмент



Cylindrical shank

| Обозначение   | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|---------------|----------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------------|
| A1222-8.7     | 8,7                        |                        | 66                   | 125                  | 81                   | 8,7                         |
| A1222-11/32IN | 8,731                      | 11/32"                 | 66                   | 125                  | 81                   | 8,731                       |
| A1222-8.8     | 8,8                        |                        | 66                   | 125                  | 81                   | 8,8                         |
| A1222-LET.S   | 8,839                      | Let. S                 | 66                   | 125                  | 81                   | 8,839                       |
| A1222-8.9     | 8,9                        |                        | 66                   | 125                  | 81                   | 8,9                         |
| A1222-9       | 9                          |                        | 66                   | 125                  | 81                   | 9                           |
| A1222-LET.T   | 9,093                      | Let. T                 | 66                   | 125                  | 81                   | 9,093                       |
| A1222-9.1     | 9,1                        |                        | 66                   | 125                  | 81                   | 9,1                         |
| A1222-23/64IN | 9,128                      | 23/64"                 | 66                   | 125                  | 81                   | 9,128                       |
| A1222-9.2     | 9,2                        |                        | 66                   | 125                  | 81                   | 9,2                         |
| A1222-9.3     | 9,3                        |                        | 66                   | 125                  | 81                   | 9,3                         |
| A1222-LET.U   | 9,347                      | Let. U                 | 66                   | 125                  | 81                   | 9,347                       |
| A1222-9.4     | 9,4                        |                        | 66                   | 125                  | 81                   | 9,4                         |
| A1222-9.5     | 9,5                        |                        | 66                   | 125                  | 81                   | 9,5                         |
| A1222-3/8IN   | 9,525                      | 3/8"                   | 71                   | 133                  | 87                   | 9,525                       |
| A1222-LET.V   | 9,576                      | Let. V                 | 71                   | 133                  | 87                   | 9,576                       |
| A1222-9.6     | 9,6                        |                        | 71                   | 133                  | 87                   | 9,6                         |
| A1222-9.7     | 9,7                        |                        | 71                   | 133                  | 87                   | 9,7                         |
| A1222-9.8     | 9,8                        |                        | 71                   | 133                  | 87                   | 9,8                         |
| A1222-LET.W   | 9,804                      | Let. W                 | 71                   | 133                  | 87                   | 9,804                       |
| A1222-9.9     | 9,9                        |                        | 71                   | 133                  | 87                   | 9,9                         |
| A1222-25/64IN | 9,922                      | 25/64"                 | 71                   | 133                  | 87                   | 9,922                       |
| A1222-10      | 10                         |                        | 71                   | 133                  | 87                   | 10                          |
| A1222-LET.X   | 10,084                     | Let. X                 | 71                   | 133                  | 87                   | 10,084                      |
| A1222-10.2    | 10,2                       |                        | 71                   | 133                  | 87                   | 10,2                        |
| A1222-LET.Y   | 10,262                     | Let. Y                 | 71                   | 133                  | 87                   | 10,262                      |
| A1222-13/32IN | 10,319                     | 13/32"                 | 71                   | 133                  | 87                   | 10,319                      |
| A1222-LET.Z   | 10,490                     | Let. Z                 | 71                   | 133                  | 87                   | 10,49                       |
| A1222-10.5    | 10,5                       |                        | 71                   | 133                  | 87                   | 10,5                        |
| A1222-27/64IN | 10,716                     | 27/64"                 | 76                   | 142                  | 94                   | 10,716                      |
| A1222-10.8    | 10,8                       |                        | 76                   | 142                  | 94                   | 10,8                        |
| A1222-11      | 11                         |                        | 76                   | 142                  | 94                   | 11                          |
| A1222-7/16IN  | 11,113                     | 7/16"                  | 76                   | 142                  | 94                   | 11,113                      |
| A1222-11.2    | 11,2                       |                        | 76                   | 142                  | 94                   | 11,2                        |
| A1222-11.5    | 11,5                       |                        | 76                   | 142                  | 94                   | 11,5                        |
| A1222-29/64IN | 11,509                     | 29/64"                 | 76                   | 142                  | 94                   | 11,509                      |
| A1222-11.8    | 11,8                       |                        | 76                   | 142                  | 94                   | 11,8                        |
| A1222-15/32IN | 11,906                     | 15/32"                 | 87                   | 151                  | 101                  | 11,906                      |
| A1222-12      | 12                         |                        | 87                   | 151                  | 101                  | 12                          |
| A1222-31/64IN | 12,303                     | 31/64"                 | 87                   | 151                  | 101                  | 12,303                      |
| A1222-12.5    | 12,5                       |                        | 87                   | 151                  | 101                  | 12,5                        |
| A1222-1/2IN   | 12,700                     | 1/2"                   | 87                   | 151                  | 101                  | 12,7                        |
| A1222-13      | 13                         |                        | 87                   | 151                  | 101                  | 13                          |
| A1222-33/64IN | 13,097                     |                        | 87                   | 151                  | 101                  | 13,097                      |
| A1222-13.1    | 13,1                       |                        | 87                   | 151                  | 101                  | 13,1                        |
| A1222-13.3    | 13,3                       |                        | 94                   | 160                  | 108                  | 13,3                        |

| Инструмент   |               | $D_c$<br>h8<br>мм | $D_c$ Inch/Nr | $L_c$<br>мм | $l_1$<br>мм | $l_2$<br>мм | $d_1$<br>f11<br>мм |
|--|---------------|-------------------|---------------|-------------|-------------|-------------|--------------------|
|  <p>Cylindrical shank</p> | Обозначение   |                   |               |             |             |             |                    |
|  | A1222-17/32IN | 13,494            | 17/32"        | 94          | 160         | 108         | 13,494             |
|  | A1222-13.5    | 13,5              |               | 94          | 160         | 108         | 13,5               |
|  | A1222-35/64IN | 13,891            |               | 94          | 160         | 108         | 13,891             |
|  | A1222-14      | 14                |               | 94          | 160         | 108         | 14                 |
|  | A1222-9/16IN  | 14,288            | 9/16"         | 99          | 169         | 114         | 14,288             |
|  | A1222-14.5    | 14,5              |               | 99          | 169         | 114         | 14,5               |
|  | A1222-37/64IN | 14,684            | 37/64"        | 99          | 169         | 114         | 14,684             |
|  | A1222-15      | 15                |               | 99          | 169         | 114         | 15                 |
|  | A1222-19/32IN | 15,081            | 19/32"        | 104         | 178         | 120         | 15,081             |
|  | A1222-15.1    | 15,1              |               | 104         | 178         | 120         | 15,1               |
|  | A1222-15.3    | 15,3              |               | 104         | 178         | 120         | 15,3               |
|  | A1222-39/64IN | 15,478            | 39/64"        | 104         | 178         | 120         | 15,478             |
|  | A1222-15.5    | 15,5              |               | 104         | 178         | 120         | 15,5               |
|  | A1222-5/8IN   | 15,875            | 5/8"          | 104         | 178         | 120         | 15,875             |
|  | A1222-16      | 16                |               | 104         | 178         | 120         | 16                 |

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●● Основная область применения   
 ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = 😐 → неблагоприятных = ☹️ условий обработки

☺ ☹️ ☹️ / \* = Новый инструмент

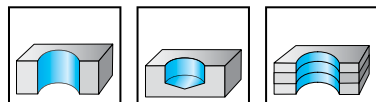
Сверла быстрорежущие В 375

# Свёрла спиральные быстрорежущие

## A1211TIN / A1211



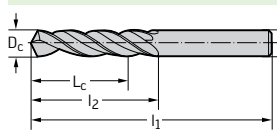
– Предлагаются в виде комплекта  
– Тип N



B1

|              | P  | M | K  | N | S | H | O |
|--------------|----|---|----|---|---|---|---|
| TIN          | ●● | ● | ●● | ● | ● |   | ● |
| без покрытия | ●● | ● | ●● | ● | ● |   | ● |

| Инструмент | Обозначение  | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|------------|--------------|----------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------------|
|            | A1211TIN-0.5 | 0,5                        |                        | 5,2                  | 22                   | 6                    | 0,5                         |
|            | A1211TIN-0.6 | 0,6                        |                        | 6,1                  | 24                   | 7                    | 0,6                         |
|            | A1211TIN-0.7 | 0,7                        |                        | 7,8                  | 28                   | 9                    | 0,7                         |
|            | A1211TIN-0.8 | 0,8                        |                        | 8,7                  | 30                   | 10                   | 0,8                         |
|            | A1211TIN-0.9 | 0,9                        |                        | 9,5                  | 32                   | 11                   | 0,9                         |
|            | A1211TIN-1   | 1                          |                        | 10                   | 34                   | 12                   | 1                           |
|            | A1211TIN-1.1 | 1,1                        |                        | 12                   | 36                   | 14                   | 1,1                         |
|            | A1211TIN-1.2 | 1,2                        |                        | 14                   | 38                   | 16                   | 1,2                         |
|            | A1211TIN-1.3 | 1,3                        |                        | 14                   | 38                   | 16                   | 1,3                         |
|            | A1211TIN-1.4 | 1,4                        |                        | 15                   | 40                   | 18                   | 1,4                         |
|            | A1211TIN-1.5 | 1,5                        |                        | 15                   | 40                   | 18                   | 1,5                         |
|            | A1211TIN-1.6 | 1,6                        |                        | 17                   | 43                   | 20                   | 1,6                         |
|            | A1211TIN-1.7 | 1,7                        |                        | 17                   | 43                   | 20                   | 1,7                         |
|            | A1211TIN-1.8 | 1,8                        |                        | 19                   | 46                   | 22                   | 1,8                         |
|            | A1211TIN-1.9 | 1,9                        |                        | 19                   | 46                   | 22                   | 1,9                         |
|            | A1211TIN-2   | 2                          |                        | 20                   | 49                   | 24                   | 2                           |
|            | A1211TIN-2.1 | 2,1                        |                        | 20                   | 49                   | 24                   | 2,1                         |
|            | A1211TIN-2.2 | 2,2                        |                        | 23                   | 53                   | 27                   | 2,2                         |
|            | A1211TIN-2.3 | 2,3                        |                        | 23                   | 53                   | 27                   | 2,3                         |
|            | A1211TIN-2.4 | 2,4                        |                        | 26                   | 57                   | 30                   | 2,4                         |
|            | A1211TIN-2.5 | 2,5                        |                        | 26                   | 57                   | 30                   | 2,5                         |
|            | A1211TIN-2.6 | 2,6                        |                        | 26                   | 57                   | 30                   | 2,6                         |
|            | A1211TIN-2.7 | 2,7                        |                        | 28                   | 61                   | 33                   | 2,7                         |
|            | A1211TIN-2.8 | 2,8                        |                        | 28                   | 61                   | 33                   | 2,8                         |
|            | A1211TIN-2.9 | 2,9                        |                        | 28                   | 61                   | 33                   | 2,9                         |
|            | A1211TIN-3   | 3                          |                        | 28                   | 61                   | 33                   | 3                           |
|            | A1211TIN-3.1 | 3,1                        |                        | 30                   | 65                   | 36                   | 3,1                         |
|            | A1211TIN-3.2 | 3,2                        |                        | 30                   | 65                   | 36                   | 3,2                         |
|            | A1211TIN-3.3 | 3,3                        |                        | 30                   | 65                   | 36                   | 3,3                         |
|            | A1211TIN-3.4 | 3,4                        |                        | 33                   | 70                   | 39                   | 3,4                         |
|            | A1211TIN-3.5 | 3,5                        |                        | 33                   | 70                   | 39                   | 3,5                         |
|            | A1211TIN-3.6 | 3,6                        |                        | 33                   | 70                   | 39                   | 3,6                         |
|            | A1211TIN-3.7 | 3,7                        |                        | 33                   | 70                   | 39                   | 3,7                         |
|            | A1211TIN-3.8 | 3,8                        |                        | 36                   | 75                   | 43                   | 3,8                         |
|            | A1211TIN-3.9 | 3,9                        |                        | 36                   | 75                   | 43                   | 3,9                         |
|            | A1211TIN-4   | 4                          |                        | 36                   | 75                   | 43                   | 4                           |



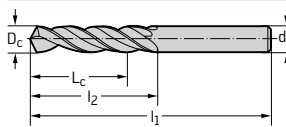
Cylindrical shank

WALTER  
SELECT

●● Основная область применения ● Возможная область применения  
Оптимально подходит для → хороших = 😊 → нормальных = 😐 → неблагоприятных = ☹️ условий обработки



## Инструмент



Cylindrical shank

| Обозначение  | D <sub>c</sub><br>h8<br>мм | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>мм | l <sub>1</sub><br>мм | l <sub>2</sub><br>мм | d <sub>1</sub><br>f11<br>мм |
|--------------|----------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------------|
| A1211TIN-4.1 | 4,1                        |                        | 36                   | 75                   | 43                   | 4,1                         |
| A1211TIN-4.2 | 4,2                        |                        | 36                   | 75                   | 43                   | 4,2                         |
| A1211TIN-4.3 | 4,3                        |                        | 39                   | 80                   | 47                   | 4,3                         |
| A1211TIN-4.4 | 4,4                        |                        | 39                   | 80                   | 47                   | 4,4                         |
| A1211TIN-4.5 | 4,5                        |                        | 39                   | 80                   | 47                   | 4,5                         |
| A1211TIN-4.6 | 4,6                        |                        | 39                   | 80                   | 47                   | 4,6                         |
| A1211TIN-4.7 | 4,7                        |                        | 39                   | 80                   | 47                   | 4,7                         |
| A1211TIN-4.8 | 4,8                        |                        | 44                   | 86                   | 52                   | 4,8                         |
| A1211TIN-4.9 | 4,9                        |                        | 44                   | 86                   | 52                   | 4,9                         |
| A1211TIN-5   | 5                          |                        | 44                   | 86                   | 52                   | 5                           |
| A1211TIN-5.1 | 5,1                        |                        | 44                   | 86                   | 52                   | 5,1                         |
| A1211TIN-5.2 | 5,2                        |                        | 44                   | 86                   | 52                   | 5,2                         |
| A1211TIN-5.3 | 5,3                        |                        | 44                   | 86                   | 52                   | 5,3                         |
| A1211TIN-5.4 | 5,4                        |                        | 48                   | 93                   | 57                   | 5,4                         |
| A1211TIN-5.5 | 5,5                        |                        | 48                   | 93                   | 57                   | 5,5                         |
| A1211TIN-5.6 | 5,6                        |                        | 48                   | 93                   | 57                   | 5,6                         |
| A1211TIN-5.7 | 5,7                        |                        | 48                   | 93                   | 57                   | 5,7                         |
| A1211TIN-5.8 | 5,8                        |                        | 48                   | 93                   | 57                   | 5,8                         |
| A1211TIN-5.9 | 5,9                        |                        | 48                   | 93                   | 57                   | 5,9                         |
| A1211TIN-6   | 6                          |                        | 48                   | 93                   | 57                   | 6                           |
| A1211TIN-6.1 | 6,1                        |                        | 52                   | 101                  | 63                   | 6,1                         |
| A1211TIN-6.2 | 6,2                        |                        | 52                   | 101                  | 63                   | 6,2                         |
| A1211TIN-6.3 | 6,3                        |                        | 52                   | 101                  | 63                   | 6,3                         |
| A1211TIN-6.4 | 6,4                        |                        | 52                   | 101                  | 63                   | 6,4                         |
| A1211TIN-6.5 | 6,5                        |                        | 52                   | 101                  | 63                   | 6,5                         |
| A1211TIN-6.6 | 6,6                        |                        | 52                   | 101                  | 63                   | 6,6                         |
| A1211TIN-6.7 | 6,7                        |                        | 52                   | 101                  | 63                   | 6,7                         |
| A1211TIN-6.8 | 6,8                        |                        | 57                   | 109                  | 69                   | 6,8                         |
| A1211TIN-6.9 | 6,9                        |                        | 57                   | 109                  | 69                   | 6,9                         |
| A1211TIN-7   | 7                          |                        | 57                   | 109                  | 69                   | 7                           |
| A1211TIN-7.1 | 7,1                        |                        | 57                   | 109                  | 69                   | 7,1                         |
| A1211TIN-7.2 | 7,2                        |                        | 57                   | 109                  | 69                   | 7,2                         |
| A1211TIN-7.3 | 7,3                        |                        | 57                   | 109                  | 69                   | 7,3                         |
| A1211TIN-7.4 | 7,4                        |                        | 57                   | 109                  | 69                   | 7,4                         |
| A1211TIN-7.5 | 7,5                        |                        | 57                   | 109                  | 69                   | 7,5                         |
| A1211TIN-7.6 | 7,6                        |                        | 62                   | 117                  | 75                   | 7,6                         |
| A1211TIN-7.7 | 7,7                        |                        | 62                   | 117                  | 75                   | 7,7                         |
| A1211TIN-7.8 | 7,8                        |                        | 62                   | 117                  | 75                   | 7,8                         |
| A1211TIN-7.9 | 7,9                        |                        | 62                   | 117                  | 75                   | 7,9                         |
| A1211TIN-8   | 8                          |                        | 62                   | 117                  | 75                   | 8                           |
| A1211TIN-8.1 | 8,1                        |                        | 62                   | 117                  | 75                   | 8,1                         |
| A1211TIN-8.2 | 8,2                        |                        | 62                   | 117                  | 75                   | 8,2                         |
| A1211TIN-8.3 | 8,3                        |                        | 62                   | 117                  | 75                   | 8,3                         |
| A1211TIN-8.4 | 8,4                        |                        | 62                   | 117                  | 75                   | 8,4                         |
| A1211TIN-8.5 | 8,5                        |                        | 62                   | 117                  | 75                   | 8,5                         |
| A1211TIN-8.6 | 8,6                        |                        | 66                   | 125                  | 81                   | 8,6                         |

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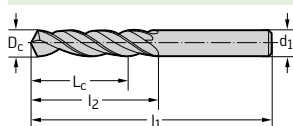
WALTER  
SELECT

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

☺ ☹ ☹ / \* = Новый инструмент

Свёрла быстрорежущие В 377

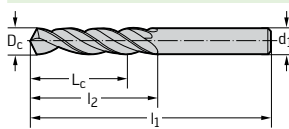
## Инструмент



Cylindrical shank

| Обозначение   | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|---------------|----------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------------|
| A1211TIN-8.7  | 8,7                        |                        | 66                   | 125                  | 81                   | 8,7                         |
| A1211TIN-8.8  | 8,8                        |                        | 66                   | 125                  | 81                   | 8,8                         |
| A1211TIN-8.9  | 8,9                        |                        | 66                   | 125                  | 81                   | 8,9                         |
| A1211TIN-9    | 9                          |                        | 66                   | 125                  | 81                   | 9                           |
| A1211TIN-9.1  | 9,1                        |                        | 66                   | 125                  | 81                   | 9,1                         |
| A1211TIN-9.2  | 9,2                        |                        | 66                   | 125                  | 81                   | 9,2                         |
| A1211TIN-9.3  | 9,3                        |                        | 66                   | 125                  | 81                   | 9,3                         |
| A1211TIN-9.4  | 9,4                        |                        | 66                   | 125                  | 81                   | 9,4                         |
| A1211TIN-9.5  | 9,5                        |                        | 66                   | 125                  | 81                   | 9,5                         |
| A1211TIN-9.6  | 9,6                        |                        | 71                   | 133                  | 87                   | 9,6                         |
| A1211TIN-9.7  | 9,7                        |                        | 71                   | 133                  | 87                   | 9,7                         |
| A1211TIN-9.8  | 9,8                        |                        | 71                   | 133                  | 87                   | 9,8                         |
| A1211TIN-9.9  | 9,9                        |                        | 71                   | 133                  | 87                   | 9,9                         |
| A1211TIN-10   | 10                         |                        | 71                   | 133                  | 87                   | 10                          |
| A1211TIN-10.2 | 10,2                       |                        | 71                   | 133                  | 87                   | 10,2                        |
| A1211TIN-10.5 | 10,5                       |                        | 71                   | 133                  | 87                   | 10,5                        |
| A1211TIN-11   | 11                         |                        | 76                   | 142                  | 94                   | 11                          |
| A1211TIN-11.5 | 11,5                       |                        | 76                   | 142                  | 94                   | 11,5                        |
| A1211TIN-12   | 12                         |                        | 87                   | 151                  | 101                  | 12                          |
| A1211TIN-12.5 | 12,5                       |                        | 87                   | 151                  | 101                  | 12,5                        |
| A1211TIN-13   | 13                         |                        | 87                   | 151                  | 101                  | 13                          |
| A1211TIN-13.5 | 13,5                       |                        | 94                   | 160                  | 108                  | 13,5                        |
| A1211TIN-14   | 14                         |                        | 94                   | 160                  | 108                  | 14                          |
| A1211TIN-14.5 | 14,5                       |                        | 99                   | 169                  | 114                  | 14,5                        |
| A1211TIN-15   | 15                         |                        | 99                   | 169                  | 114                  | 15                          |
| A1211TIN-16   | 16                         |                        | 104                  | 178                  | 120                  | 16                          |
| A1211-0.2     | 0,2                        |                        | 2,1                  | 19                   | 2,5                  | 0,2                         |
| A1211-0.22    | 0,22                       |                        | 2,1                  | 19                   | 2,5                  | 0,22                        |
| A1211-0.23    | 0,23                       |                        | 2,1                  | 19                   | 2,5                  | 0,23                        |
| A1211-0.25    | 0,25                       |                        | 2,5                  | 19                   | 3                    | 0,25                        |
| A1211-0.27    | 0,27                       |                        | 2,5                  | 19                   | 3                    | 0,27                        |
| A1211-0.28    | 0,28                       |                        | 2,5                  | 19                   | 3                    | 0,28                        |
| A1211-0.29    | 0,29                       |                        | 2,5                  | 19                   | 3                    | 0,29                        |
| A1211-0.3     | 0,3                        |                        | 2,5                  | 19                   | 3                    | 0,3                         |
| A1211-0.31    | 0,31                       |                        | 3,4                  | 19                   | 4                    | 0,31                        |
| A1211-N082    | 0,318                      |                        | 3,4                  | 19                   | 4                    | 0,318                       |
| A1211-0.32    | 0,32                       |                        | 3,4                  | 19                   | 4                    | 0,32                        |
| A1211-0.33    | 0,33                       |                        | 3,4                  | 19                   | 4                    | 0,33                        |
| A1211-0.34    | 0,34                       |                        | 3,4                  | 19                   | 4                    | 0,34                        |
| A1211-N080    | 0,343                      |                        | 3,4                  | 19                   | 4                    | 0,343                       |
| A1211-0.35    | 0,35                       |                        | 3,4                  | 19                   | 4                    | 0,35                        |
| A1211-N079    | 0,368                      |                        | 3,4                  | 19                   | 4                    | 0,368                       |
| A1211-0.38    | 0,38                       |                        | 3,4                  | 19                   | 4                    | 0,38                        |
| A1211-1/64IN  | 0,397                      |                        | 4,2                  | 20                   | 5                    | 0,397                       |
| A1211-0.4     | 0,4                        |                        | 4,2                  | 20                   | 5                    | 0,4                         |
| A1211-N078    | 0,406                      |                        | 4,2                  | 20                   | 5                    | 0,406                       |

## Инструмент



Cylindrical shank

| Обозначение  | D <sub>c</sub><br>h8<br>мм | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>мм | l <sub>1</sub><br>мм | l <sub>2</sub><br>мм | d <sub>1</sub><br>f11<br>мм |
|--------------|----------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------------|
| A1211-042    | 0,42                       |                        | 4,2                  | 20                   | 5                    | 0,42                        |
| A1211-043    | 0,43                       |                        | 4,2                  | 20                   | 5                    | 0,43                        |
| A1211-045    | 0,45                       |                        | 4,2                  | 20                   | 5                    | 0,45                        |
| A1211-N077   | 0,457                      |                        | 4,2                  | 20                   | 5                    | 0,457                       |
| A1211-047    | 0,47                       |                        | 4,2                  | 20                   | 5                    | 0,47                        |
| A1211-048    | 0,48                       |                        | 4,2                  | 20                   | 5                    | 0,48                        |
| A1211-049    | 0,49                       |                        | 5,2                  | 22                   | 6                    | 0,49                        |
| A1211-05     | 0,5                        |                        | 5,2                  | 22                   | 6                    | 0,5                         |
| A1211-N076   | 0,508                      | No.76                  | 5,2                  | 22                   | 6                    | 0,508                       |
| A1211-051    | 0,51                       |                        | 5,2                  | 22                   | 6                    | 0,51                        |
| A1211-052    | 0,52                       |                        | 5,2                  | 22                   | 6                    | 0,52                        |
| A1211-053    | 0,53                       |                        | 5,2                  | 22                   | 6                    | 0,53                        |
| A1211-N075   | 0,533                      |                        | 6,1                  | 24                   | 7                    | 0,533                       |
| A1211-054    | 0,54                       |                        | 6,1                  | 24                   | 7                    | 0,54                        |
| A1211-055    | 0,55                       |                        | 6,1                  | 24                   | 7                    | 0,55                        |
| A1211-057    | 0,57                       |                        | 6,1                  | 24                   | 7                    | 0,57                        |
| A1211-N074   | 0,572                      |                        | 6,1                  | 24                   | 7                    | 0,572                       |
| A1211-058    | 0,58                       |                        | 6,1                  | 24                   | 7                    | 0,58                        |
| A1211-059    | 0,59                       |                        | 6,1                  | 24                   | 7                    | 0,59                        |
| A1211-06     | 0,6                        |                        | 6,1                  | 24                   | 7                    | 0,6                         |
| A1211-N073   | 0,610                      |                        | 6,9                  | 26                   | 8                    | 0,61                        |
| A1211-062    | 0,62                       |                        | 6,9                  | 26                   | 8                    | 0,62                        |
| A1211-063    | 0,63                       |                        | 6,9                  | 26                   | 8                    | 0,63                        |
| A1211-N072   | 0,635                      | No.72                  | 6,9                  | 26                   | 8                    | 0,635                       |
| A1211-065    | 0,65                       |                        | 6,9                  | 26                   | 8                    | 0,65                        |
| A1211-N071   | 0,660                      |                        | 6,9                  | 26                   | 8                    | 0,66                        |
| A1211-067    | 0,67                       |                        | 6,9                  | 26                   | 8                    | 0,67                        |
| A1211-068    | 0,68                       |                        | 7,8                  | 28                   | 9                    | 0,68                        |
| A1211-07     | 0,7                        |                        | 7,8                  | 28                   | 9                    | 0,7                         |
| A1211-N070   | 0,711                      |                        | 7,8                  | 28                   | 9                    | 0,711                       |
| A1211-072    | 0,72                       |                        | 7,8                  | 28                   | 9                    | 0,72                        |
| A1211-073    | 0,73                       |                        | 7,8                  | 28                   | 9                    | 0,73                        |
| A1211-N069   | 0,742                      |                        | 7,8                  | 28                   | 9                    | 0,742                       |
| A1211-075    | 0,75                       |                        | 7,8                  | 28                   | 9                    | 0,75                        |
| A1211-076    | 0,76                       |                        | 8,7                  | 30                   | 10                   | 0,76                        |
| A1211-078    | 0,78                       |                        | 8,7                  | 30                   | 10                   | 0,78                        |
| A1211-N068   | 0,787                      |                        | 8,7                  | 30                   | 10                   | 0,787                       |
| A1211-1/32IN | 0,794                      | 1/32"                  | 8,7                  | 30                   | 10                   | 0,794                       |
| A1211-08     | 0,8                        |                        | 8,7                  | 30                   | 10                   | 0,8                         |
| A1211-081    | 0,81                       |                        | 8,7                  | 30                   | 10                   | 0,81                        |
| A1211-N067   | 0,813                      |                        | 8,7                  | 30                   | 10                   | 0,813                       |
| A1211-082    | 0,82                       |                        | 8,7                  | 30                   | 10                   | 0,82                        |
| A1211-083    | 0,83                       |                        | 8,7                  | 30                   | 10                   | 0,83                        |
| A1211-N066   | 0,838                      |                        | 8,7                  | 30                   | 10                   | 0,838                       |
| A1211-085    | 0,85                       |                        | 8,7                  | 30                   | 10                   | 0,85                        |
| A1211-087    | 0,87                       |                        | 9,5                  | 32                   | 11                   | 0,87                        |

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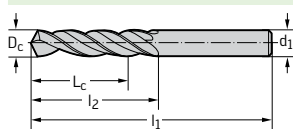
WALTER  
SELECT

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки

☺ ☹ ☹☹ / \* = Новый инструмент

Свёрла быстрорежущие В 379

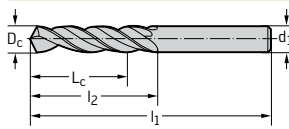
## Инструмент



Cylindrical shank

| Обозначение  | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|--------------|----------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------------|
| A1211-0.88   | 0,88                       |                        | 9,5                  | 32                   | 11                   | 0,88                        |
| A1211-N065   | 0,889                      | No.65                  | 9,5                  | 32                   | 11                   | 0,889                       |
| A1211-0.9    | 0,9                        |                        | 9,5                  | 32                   | 11                   | 0,9                         |
| A1211-0.91   | 0,91                       |                        | 9,5                  | 32                   | 11                   | 0,91                        |
| A1211-N064   | 0,914                      |                        | 9,5                  | 32                   | 11                   | 0,914                       |
| A1211-0.92   | 0,92                       |                        | 9,5                  | 32                   | 11                   | 0,92                        |
| A1211-N063   | 0,940                      |                        | 9,5                  | 32                   | 11                   | 0,94                        |
| A1211-0.95   | 0,95                       |                        | 9,5                  | 32                   | 11                   | 0,95                        |
| A1211-0.96   | 0,96                       |                        | 10                   | 34                   | 12                   | 0,96                        |
| A1211-N062   | 0,965                      |                        | 10                   | 34                   | 12                   | 0,965                       |
| A1211-0.97   | 0,97                       |                        | 10                   | 34                   | 12                   | 0,97                        |
| A1211-0.98   | 0,98                       |                        | 10                   | 34                   | 12                   | 0,98                        |
| A1211-0.99   | 0,99                       |                        | 10                   | 34                   | 12                   | 0,99                        |
| A1211-N061   | 0,991                      |                        | 10                   | 34                   | 12                   | 0,991                       |
| A1211-1      | 1                          |                        | 10                   | 34                   | 12                   | 1                           |
| A1211-1.01   | 1,01                       |                        | 10                   | 34                   | 12                   | 1,01                        |
| A1211-N060   | 1,016                      | No. 60                 | 10                   | 34                   | 12                   | 1,016                       |
| A1211-1.02   | 1,02                       |                        | 10                   | 34                   | 12                   | 1,02                        |
| A1211-1.03   | 1,03                       |                        | 10                   | 34                   | 12                   | 1,03                        |
| A1211-1.04   | 1,04                       |                        | 10                   | 34                   | 12                   | 1,04                        |
| A1211-N059   | 1,041                      | No. 59                 | 10                   | 34                   | 12                   | 1,041                       |
| A1211-1.05   | 1,05                       |                        | 10                   | 34                   | 12                   | 1,05                        |
| A1211-N058   | 1,067                      | No. 58                 | 12                   | 36                   | 14                   | 1,067                       |
| A1211-N057   | 1,092                      | No. 57                 | 12                   | 36                   | 14                   | 1,092                       |
| A1211-1.1    | 1,1                        |                        | 12                   | 36                   | 14                   | 1,1                         |
| A1211-1.12   | 1,12                       |                        | 12                   | 36                   | 14                   | 1,12                        |
| A1211-1.13   | 1,13                       |                        | 12                   | 36                   | 14                   | 1,13                        |
| A1211-1.15   | 1,15                       |                        | 12                   | 36                   | 14                   | 1,15                        |
| A1211-1.18   | 1,18                       |                        | 12                   | 36                   | 14                   | 1,18                        |
| A1211-N056   | 1,181                      | No. 56                 | 14                   | 38                   | 16                   | 1,181                       |
| A1211-3/64IN | 1,191                      | 3/64"                  | 14                   | 38                   | 16                   | 1,191                       |
| A1211-1.2    | 1,2                        |                        | 14                   | 38                   | 16                   | 1,2                         |
| A1211-1.21   | 1,21                       |                        | 14                   | 38                   | 16                   | 1,21                        |
| A1211-1.22   | 1,22                       |                        | 14                   | 38                   | 16                   | 1,22                        |
| A1211-1.23   | 1,23                       |                        | 14                   | 38                   | 16                   | 1,23                        |
| A1211-1.24   | 1,24                       |                        | 14                   | 38                   | 16                   | 1,24                        |
| A1211-1.25   | 1,25                       |                        | 14                   | 38                   | 16                   | 1,25                        |
| A1211-1.27   | 1,27                       |                        | 14                   | 38                   | 16                   | 1,27                        |
| A1211-1.28   | 1,28                       |                        | 14                   | 38                   | 16                   | 1,28                        |
| A1211-1.3    | 1,3                        |                        | 14                   | 38                   | 16                   | 1,3                         |
| A1211-N055   | 1,321                      | No. 55                 | 15                   | 40                   | 18                   | 1,321                       |
| A1211-1.33   | 1,33                       |                        | 15                   | 40                   | 18                   | 1,33                        |
| A1211-1.35   | 1,35                       |                        | 15                   | 40                   | 18                   | 1,35                        |
| A1211-1.36   | 1,36                       |                        | 15                   | 40                   | 18                   | 1,36                        |
| A1211-1.37   | 1,37                       |                        | 15                   | 40                   | 18                   | 1,37                        |
| A1211-N054   | 1,397                      | No. 54                 | 15                   | 40                   | 18                   | 1,397                       |

## Инструмент



Cylindrical shank

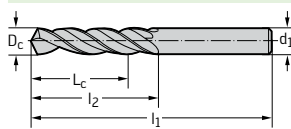
| Обозначение  | D <sub>c</sub><br>h8<br>мм | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>мм | l <sub>1</sub><br>мм | l <sub>2</sub><br>мм | d <sub>1</sub><br>f11<br>мм |
|--------------|----------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------------|
| A1211-1.4    | 1,4                        |                        | 15                   | 40                   | 18                   | 1,4                         |
| A1211-1.42   | 1,42                       |                        | 15                   | 40                   | 18                   | 1,42                        |
| A1211-1.43   | 1,43                       |                        | 15                   | 40                   | 18                   | 1,43                        |
| A1211-1.45   | 1,45                       |                        | 15                   | 40                   | 18                   | 1,45                        |
| A1211-1.49   | 1,49                       |                        | 15                   | 40                   | 18                   | 1,49                        |
| A1211-1.5    | 1,5                        |                        | 15                   | 40                   | 18                   | 1,5                         |
| A1211-1.51   | 1,51                       |                        | 17                   | 43                   | 20                   | 1,51                        |
| A1211-N053   | 1,511                      | No. 53                 | 17                   | 43                   | 20                   | 1,511                       |
| A1211-1.52   | 1,52                       |                        | 17                   | 43                   | 20                   | 1,52                        |
| A1211-1.53   | 1,53                       |                        | 17                   | 43                   | 20                   | 1,53                        |
| A1211-1.55   | 1,55                       |                        | 17                   | 43                   | 20                   | 1,55                        |
| A1211-1.57   | 1,57                       |                        | 17                   | 43                   | 20                   | 1,57                        |
| A1211-1/16IN | 1,588                      | 1/16"                  | 17                   | 43                   | 20                   | 1,588                       |
| A1211-1.6    | 1,6                        |                        | 17                   | 43                   | 20                   | 1,6                         |
| A1211-N052   | 1,613                      | No. 52                 | 17                   | 43                   | 20                   | 1,613                       |
| A1211-1.63   | 1,63                       |                        | 17                   | 43                   | 20                   | 1,63                        |
| A1211-1.65   | 1,65                       |                        | 17                   | 43                   | 20                   | 1,65                        |
| A1211-1.7    | 1,7                        |                        | 17                   | 43                   | 20                   | 1,7                         |
| A1211-N051   | 1,702                      | No. 51                 | 19                   | 46                   | 22                   | 1,702                       |
| A1211-1.75   | 1,75                       |                        | 19                   | 46                   | 22                   | 1,75                        |
| A1211-N050   | 1,778                      | No. 50                 | 19                   | 46                   | 22                   | 1,778                       |
| A1211-1.8    | 1,8                        |                        | 19                   | 46                   | 22                   | 1,8                         |
| A1211-1.85   | 1,85                       |                        | 19                   | 46                   | 22                   | 1,85                        |
| A1211-N049   | 1,854                      | No. 49                 | 19                   | 46                   | 22                   | 1,854                       |
| A1211-1.9    | 1,9                        |                        | 19                   | 46                   | 22                   | 1,9                         |
| A1211-N048   | 1,930                      | No. 48                 | 20                   | 49                   | 24                   | 1,93                        |
| A1211-1.95   | 1,95                       |                        | 20                   | 49                   | 24                   | 1,95                        |
| A1211-5/64IN | 1,984                      | 5/64"                  | 20                   | 49                   | 24                   | 1,984                       |
| A1211-N047   | 1,994                      | No. 47                 | 20                   | 49                   | 24                   | 1,994                       |
| A1211-2      | 2                          |                        | 20                   | 49                   | 24                   | 2                           |
| A1211-2.05   | 2,05                       |                        | 20                   | 49                   | 24                   | 2,05                        |
| A1211-N046   | 2,057                      | No. 46                 | 20                   | 49                   | 24                   | 2,057                       |
| A1211-N045   | 2,083                      | No. 45                 | 20                   | 49                   | 24                   | 2,083                       |
| A1211-2.1    | 2,1                        |                        | 20                   | 49                   | 24                   | 2,1                         |
| A1211-2.15   | 2,15                       |                        | 23                   | 53                   | 27                   | 2,15                        |
| A1211-N044   | 2,184                      | No. 44                 | 23                   | 53                   | 27                   | 2,184                       |
| A1211-2.2    | 2,2                        |                        | 23                   | 53                   | 27                   | 2,2                         |
| A1211-2.25   | 2,25                       |                        | 23                   | 53                   | 27                   | 2,25                        |
| A1211-N043   | 2,261                      | No. 43                 | 23                   | 53                   | 27                   | 2,261                       |
| A1211-2.3    | 2,3                        |                        | 23                   | 53                   | 27                   | 2,3                         |
| A1211-2.35   | 2,35                       |                        | 23                   | 53                   | 27                   | 2,35                        |
| A1211-N042   | 2,375                      | No. 42                 | 26                   | 57                   | 30                   | 2,375                       |
| A1211-3/32IN | 2,381                      | 3/32"                  | 26                   | 57                   | 30                   | 2,381                       |
| A1211-2.4    | 2,4                        |                        | 26                   | 57                   | 30                   | 2,4                         |
| A1211-N041   | 2,438                      | No. 41                 | 26                   | 57                   | 30                   | 2,438                       |
| A1211-2.45   | 2,45                       |                        | 26                   | 57                   | 30                   | 2,45                        |

B1

WALTER  
SELECT

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

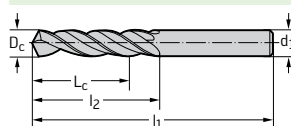
## Инструмент



Cylindrical shank

| Обозначение  | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|--------------|----------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------------|
| A1211-N040   | 2,489                      | No. 40                 | 26                   | 57                   | 30                   | 2,489                       |
| A1211-2.5    | 2,5                        |                        | 26                   | 57                   | 30                   | 2,5                         |
| A1211-N039   | 2,527                      | No. 39                 | 26                   | 57                   | 30                   | 2,527                       |
| A1211-2.55   | 2,55                       |                        | 26                   | 57                   | 30                   | 2,55                        |
| A1211-N038   | 2,578                      | No. 38                 | 26                   | 57                   | 30                   | 2,578                       |
| A1211-2.6    | 2,6                        |                        | 26                   | 57                   | 30                   | 2,6                         |
| A1211-N037   | 2,642                      | No. 37                 | 26                   | 57                   | 30                   | 2,642                       |
| A1211-2.65   | 2,65                       |                        | 26                   | 57                   | 30                   | 2,65                        |
| A1211-2.7    | 2,7                        |                        | 28                   | 61                   | 33                   | 2,7                         |
| A1211-N036   | 2,705                      | No. 36                 | 28                   | 61                   | 33                   | 2,705                       |
| A1211-2.75   | 2,75                       |                        | 28                   | 61                   | 33                   | 2,75                        |
| A1211-7/64IN | 2,778                      | 7/64"                  | 28                   | 61                   | 33                   | 2,778                       |
| A1211-N035   | 2,794                      | No. 35                 | 28                   | 61                   | 33                   | 2,794                       |
| A1211-2.8    | 2,8                        |                        | 28                   | 61                   | 33                   | 2,8                         |
| A1211-N034   | 2,819                      | No. 34                 | 28                   | 61                   | 33                   | 2,819                       |
| A1211-2.85   | 2,85                       |                        | 28                   | 61                   | 33                   | 2,85                        |
| A1211-N033   | 2,870                      | No. 33                 | 28                   | 61                   | 33                   | 2,87                        |
| A1211-2.9    | 2,9                        |                        | 28                   | 61                   | 33                   | 2,9                         |
| A1211-N032   | 2,946                      | No. 32                 | 28                   | 61                   | 33                   | 2,946                       |
| A1211-2.95   | 2,95                       |                        | 28                   | 61                   | 33                   | 2,95                        |
| A1211-3      | 3                          |                        | 28                   | 61                   | 33                   | 3                           |
| A1211-N031   | 3,048                      | No. 31                 | 30                   | 65                   | 36                   | 3,048                       |
| A1211-3.05   | 3,05                       |                        | 30                   | 65                   | 36                   | 3,05                        |
| A1211-3.1    | 3,1                        |                        | 30                   | 65                   | 36                   | 3,1                         |
| A1211-3.15   | 3,15                       |                        | 30                   | 65                   | 36                   | 3,15                        |
| A1211-1/8IN  | 3,175                      | 1/8"                   | 30                   | 65                   | 36                   | 3,175                       |
| A1211-3.2    | 3,2                        |                        | 30                   | 65                   | 36                   | 3,2                         |
| A1211-3.25   | 3,25                       |                        | 30                   | 65                   | 36                   | 3,25                        |
| A1211-N030   | 3,264                      | No. 30                 | 30                   | 65                   | 36                   | 3,264                       |
| A1211-3.3    | 3,3                        |                        | 30                   | 65                   | 36                   | 3,3                         |
| A1211-3.35   | 3,35                       |                        | 30                   | 65                   | 36                   | 3,35                        |
| A1211-3.4    | 3,4                        |                        | 33                   | 70                   | 39                   | 3,4                         |
| A1211-3.45   | 3,45                       |                        | 33                   | 70                   | 39                   | 3,45                        |
| A1211-N029   | 3,454                      | No. 29                 | 33                   | 70                   | 39                   | 3,454                       |
| A1211-3.5    | 3,5                        |                        | 33                   | 70                   | 39                   | 3,5                         |
| A1211-3.55   | 3,55                       |                        | 33                   | 70                   | 39                   | 3,55                        |
| A1211-N028   | 3,569                      | No. 28                 | 33                   | 70                   | 39                   | 3,569                       |
| A1211-9/64IN | 3,572                      | 9/64"                  | 33                   | 70                   | 39                   | 3,572                       |
| A1211-3.6    | 3,6                        |                        | 33                   | 70                   | 39                   | 3,6                         |
| A1211-3.65   | 3,65                       |                        | 33                   | 70                   | 39                   | 3,65                        |
| A1211-N027   | 3,658                      | No. 27                 | 33                   | 70                   | 39                   | 3,658                       |
| A1211-3.7    | 3,7                        |                        | 33                   | 70                   | 39                   | 3,7                         |
| A1211-N026   | 3,734                      | No. 26                 | 33                   | 70                   | 39                   | 3,734                       |
| A1211-3.75   | 3,75                       |                        | 33                   | 70                   | 39                   | 3,75                        |
| A1211-N025   | 3,797                      | No. 25                 | 36                   | 75                   | 43                   | 3,797                       |
| A1211-3.8    | 3,8                        |                        | 36                   | 75                   | 43                   | 3,8                         |

## Инструмент



Cylindrical shank

| Обозначение   | D <sub>c</sub><br>h8<br>мм | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>мм | l <sub>1</sub><br>мм | l <sub>2</sub><br>мм | d <sub>1</sub><br>f11<br>мм |
|---------------|----------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------------|
| A1211-N024    | 3,861                      | No. 24                 | 36                   | 75                   | 43                   | 3,861                       |
| A1211-3.9     | 3,9                        |                        | 36                   | 75                   | 43                   | 3,9                         |
| A1211-N023    | 3,912                      | No. 23                 | 36                   | 75                   | 43                   | 3,912                       |
| A1211-3.95    | 3,95                       |                        | 36                   | 75                   | 43                   | 3,95                        |
| A1211-5/32IN  | 3,969                      | 5/32"                  | 36                   | 75                   | 43                   | 3,969                       |
| A1211-N022    | 3,988                      | No. 22                 | 36                   | 75                   | 43                   | 3,988                       |
| A1211-4       | 4                          |                        | 36                   | 75                   | 43                   | 4                           |
| A1211-N021    | 4,039                      | No. 21                 | 36                   | 75                   | 43                   | 4,039                       |
| A1211-4.05    | 4,05                       |                        | 36                   | 75                   | 43                   | 4,05                        |
| A1211-N020    | 4,089                      | No. 20                 | 36                   | 75                   | 43                   | 4,089                       |
| A1211-4.1     | 4,1                        |                        | 36                   | 75                   | 43                   | 4,1                         |
| A1211-4.15    | 4,15                       |                        | 36                   | 75                   | 43                   | 4,15                        |
| A1211-4.2     | 4,2                        |                        | 36                   | 75                   | 43                   | 4,2                         |
| A1211-N019    | 4,216                      | No. 19                 | 36                   | 75                   | 43                   | 4,216                       |
| A1211-4.25    | 4,25                       |                        | 36                   | 75                   | 43                   | 4,25                        |
| A1211-4.3     | 4,3                        |                        | 39                   | 80                   | 47                   | 4,3                         |
| A1211-N018    | 4,305                      | No. 18                 | 39                   | 80                   | 47                   | 4,305                       |
| A1211-4.35    | 4,35                       |                        | 39                   | 80                   | 47                   | 4,35                        |
| A1211-11/64IN | 4,366                      | 11/64"                 | 39                   | 80                   | 47                   | 4,366                       |
| A1211-N017    | 4,394                      | No. 17                 | 39                   | 80                   | 47                   | 4,394                       |
| A1211-4.4     | 4,4                        |                        | 39                   | 80                   | 47                   | 4,4                         |
| A1211-4.45    | 4,45                       |                        | 39                   | 80                   | 47                   | 4,45                        |
| A1211-N016    | 4,496                      | No. 16                 | 39                   | 80                   | 47                   | 4,496                       |
| A1211-4.5     | 4,5                        |                        | 39                   | 80                   | 47                   | 4,5                         |
| A1211-4.55    | 4,55                       |                        | 39                   | 80                   | 47                   | 4,55                        |
| A1211-N015    | 4,572                      | No. 15                 | 39                   | 80                   | 47                   | 4,572                       |
| A1211-4.6     | 4,6                        |                        | 39                   | 80                   | 47                   | 4,6                         |
| A1211-N014    | 4,623                      | No. 14                 | 39                   | 80                   | 47                   | 4,623                       |
| A1211-4.65    | 4,65                       |                        | 39                   | 80                   | 47                   | 4,65                        |
| A1211-N013    | 4,699                      | No. 13                 | 39                   | 80                   | 47                   | 4,699                       |
| A1211-4.7     | 4,7                        |                        | 39                   | 80                   | 47                   | 4,7                         |
| A1211-4.75    | 4,75                       |                        | 39                   | 80                   | 47                   | 4,75                        |
| A1211-3/16IN  | 4,763                      | 3/16"                  | 44                   | 86                   | 52                   | 4,763                       |
| A1211-4.8     | 4,8                        |                        | 44                   | 86                   | 52                   | 4,8                         |
| A1211-N012    | 4,801                      | No. 12                 | 44                   | 86                   | 52                   | 4,801                       |
| A1211-4.85    | 4,85                       |                        | 44                   | 86                   | 52                   | 4,85                        |
| A1211-N011    | 4,851                      | No. 11                 | 44                   | 86                   | 52                   | 4,851                       |
| A1211-4.9     | 4,9                        |                        | 44                   | 86                   | 52                   | 4,9                         |
| A1211-N010    | 4,915                      | No. 10                 | 44                   | 86                   | 52                   | 4,915                       |
| A1211-4.95    | 4,95                       |                        | 44                   | 86                   | 52                   | 4,95                        |
| A1211-N09     | 4,978                      | No. 09                 | 44                   | 86                   | 52                   | 4,978                       |
| A1211-5       | 5                          |                        | 44                   | 86                   | 52                   | 5                           |
| A1211-5.05    | 5,05                       |                        | 44                   | 86                   | 52                   | 5,05                        |
| A1211-N08     | 5,055                      | No. 08                 | 44                   | 86                   | 52                   | 5,055                       |
| A1211-5.1     | 5,1                        |                        | 44                   | 86                   | 52                   | 5,1                         |
| A1211-N07     | 5,105                      | No. 07                 | 44                   | 86                   | 52                   | 5,105                       |

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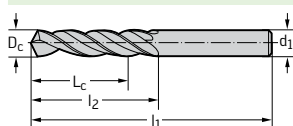
WALTER  
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●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

☺ ☹ ☹ / \* = Новый инструмент

Свёрла быстрорежущие В 383

## Инструмент

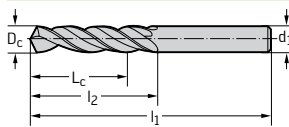


Cylindrical shank

| Обозначение   | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|---------------|----------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------------|
| A1211-5.15    | 5,15                       |                        | 44                   | 86                   | 52                   | 5,15                        |
| A1211-13/64IN | 5,159                      | 13/64"                 | 44                   | 86                   | 52                   | 5,159                       |
| A1211-N06     | 5,182                      | No. 06                 | 44                   | 86                   | 52                   | 5,182                       |
| A1211-5.2     | 5,2                        |                        | 44                   | 86                   | 52                   | 5,2                         |
| A1211-N05     | 5,220                      | No. 05                 | 44                   | 86                   | 52                   | 5,22                        |
| A1211-5.25    | 5,25                       |                        | 44                   | 86                   | 52                   | 5,25                        |
| A1211-5.3     | 5,3                        |                        | 44                   | 86                   | 52                   | 5,3                         |
| A1211-N04     | 5,309                      | No. 04                 | 48                   | 93                   | 57                   | 5,309                       |
| A1211-5.4     | 5,4                        |                        | 48                   | 93                   | 57                   | 5,4                         |
| A1211-N03     | 5,410                      | No. 03                 | 48                   | 93                   | 57                   | 5,41                        |
| A1211-5.5     | 5,5                        |                        | 48                   | 93                   | 57                   | 5,5                         |
| A1211-5.55    | 5,55                       |                        | 48                   | 93                   | 57                   | 5,55                        |
| A1211-7/32IN  | 5,556                      | 7/32"                  | 48                   | 93                   | 57                   | 5,556                       |
| A1211-5.6     | 5,6                        |                        | 48                   | 93                   | 57                   | 5,6                         |
| A1211-N02     | 5,613                      | No. 02                 | 48                   | 93                   | 57                   | 5,613                       |
| A1211-5.7     | 5,7                        |                        | 48                   | 93                   | 57                   | 5,7                         |
| A1211-5.75    | 5,75                       |                        | 48                   | 93                   | 57                   | 5,75                        |
| A1211-N01     | 5,791                      | No. 01                 | 48                   | 93                   | 57                   | 5,791                       |
| A1211-5.8     | 5,8                        |                        | 48                   | 93                   | 57                   | 5,8                         |
| A1211-5.9     | 5,9                        |                        | 48                   | 93                   | 57                   | 5,9                         |
| A1211-LET.A   | 5,944                      | Let. A                 | 48                   | 93                   | 57                   | 5,944                       |
| A1211-5.95    | 5,95                       |                        | 48                   | 93                   | 57                   | 5,95                        |
| A1211-15/64IN | 5,953                      | 15/64"                 | 48                   | 93                   | 57                   | 5,953                       |
| A1211-6       | 6                          |                        | 48                   | 93                   | 57                   | 6                           |
| A1211-LET.B   | 6,045                      | Let. B                 | 52                   | 101                  | 63                   | 6,045                       |
| A1211-6.05    | 6,05                       |                        | 52                   | 101                  | 63                   | 6,05                        |
| A1211-6.1     | 6,1                        |                        | 52                   | 101                  | 63                   | 6,1                         |
| A1211-LET.C   | 6,147                      | Let. C                 | 52                   | 101                  | 63                   | 6,147                       |
| A1211-6.15    | 6,15                       |                        | 52                   | 101                  | 63                   | 6,15                        |
| A1211-6.2     | 6,2                        |                        | 52                   | 101                  | 63                   | 6,2                         |
| A1211-LET.D   | 6,248                      | Let. D                 | 52                   | 101                  | 63                   | 6,248                       |
| A1211-6.25    | 6,25                       |                        | 52                   | 101                  | 63                   | 6,25                        |
| A1211-6.3     | 6,3                        |                        | 52                   | 101                  | 63                   | 6,3                         |
| A1211-1/4IN   | 6,350                      | 1/4"                   | 52                   | 101                  | 63                   | 6,35                        |
| A1211-6.4     | 6,4                        |                        | 52                   | 101                  | 63                   | 6,4                         |
| A1211-6.45    | 6,45                       |                        | 52                   | 101                  | 63                   | 6,45                        |
| A1211-6.5     | 6,5                        |                        | 52                   | 101                  | 63                   | 6,5                         |
| A1211-LET.F   | 6,528                      | Let. F                 | 52                   | 101                  | 63                   | 6,528                       |
| A1211-6.55    | 6,55                       |                        | 52                   | 101                  | 63                   | 6,55                        |
| A1211-6.6     | 6,6                        |                        | 52                   | 101                  | 63                   | 6,6                         |
| A1211-LET.G   | 6,629                      | Let. G                 | 52                   | 101                  | 63                   | 6,629                       |
| A1211-6.65    | 6,65                       |                        | 52                   | 101                  | 63                   | 6,65                        |
| A1211-6.7     | 6,7                        |                        | 52                   | 101                  | 63                   | 6,7                         |
| A1211-17/64IN | 6,747                      | 17/64"                 | 57                   | 109                  | 69                   | 6,747                       |
| A1211-6.75    | 6,75                       |                        | 57                   | 109                  | 69                   | 6,75                        |
| A1211-LET.H   | 6,756                      | Let. H                 | 57                   | 109                  | 69                   | 6,756                       |



## Инструмент



Cylindrical shank

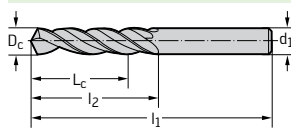
| Обозначение   | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|---------------|----------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------------|
| A1211-6.8     | 6,8                        |                        | 57                   | 109                  | 69                   | 6,8                         |
| A1211-6.9     | 6,9                        |                        | 57                   | 109                  | 69                   | 6,9                         |
| A1211-LET.I   | 6,909                      | Let. I                 | 57                   | 109                  | 69                   | 6,909                       |
| A1211-7       | 7                          |                        | 57                   | 109                  | 69                   | 7                           |
| A1211-LET.J   | 7,036                      | Let. J                 | 57                   | 109                  | 69                   | 7,036                       |
| A1211-7.05    | 7,05                       |                        | 57                   | 109                  | 69                   | 7,05                        |
| A1211-7.1     | 7,1                        |                        | 57                   | 109                  | 69                   | 7,1                         |
| A1211-LET.K   | 7,137                      | Let. K                 | 57                   | 109                  | 69                   | 7,137                       |
| A1211-9/32IN  | 7,144                      | 9/32"                  | 57                   | 109                  | 69                   | 7,144                       |
| A1211-7.2     | 7,2                        |                        | 57                   | 109                  | 69                   | 7,2                         |
| A1211-7.25    | 7,25                       |                        | 57                   | 109                  | 69                   | 7,25                        |
| A1211-7.3     | 7,3                        |                        | 57                   | 109                  | 69                   | 7,3                         |
| A1211-LET.L   | 7,366                      | Let. L                 | 57                   | 109                  | 69                   | 7,366                       |
| A1211-7.4     | 7,4                        |                        | 57                   | 109                  | 69                   | 7,4                         |
| A1211-LET.M   | 7,493                      | Let. M                 | 57                   | 109                  | 69                   | 7,493                       |
| A1211-7.5     | 7,5                        |                        | 57                   | 109                  | 69                   | 7,5                         |
| A1211-19/64IN | 7,541                      | 19/64"                 | 62                   | 117                  | 75                   | 7,541                       |
| A1211-7.6     | 7,6                        |                        | 62                   | 117                  | 75                   | 7,6                         |
| A1211-LET.N   | 7,671                      | Let. N                 | 62                   | 117                  | 75                   | 7,671                       |
| A1211-7.7     | 7,7                        |                        | 62                   | 117                  | 75                   | 7,7                         |
| A1211-7.75    | 7,75                       |                        | 62                   | 117                  | 75                   | 7,75                        |
| A1211-7.8     | 7,8                        |                        | 62                   | 117                  | 75                   | 7,8                         |
| A1211-7.9     | 7,9                        |                        | 62                   | 117                  | 75                   | 7,9                         |
| A1211-5/16IN  | 7,938                      | 5/16"                  | 62                   | 117                  | 75                   | 7,938                       |
| A1211-8       | 8                          |                        | 62                   | 117                  | 75                   | 8                           |
| A1211-LET.O   | 8,026                      | Let. O                 | 62                   | 117                  | 75                   | 8,026                       |
| A1211-8.05    | 8,05                       |                        | 62                   | 117                  | 75                   | 8,05                        |
| A1211-8.1     | 8,1                        |                        | 62                   | 117                  | 75                   | 8,1                         |
| A1211-8.2     | 8,2                        |                        | 62                   | 117                  | 75                   | 8,2                         |
| A1211-LET.P   | 8,204                      | Let. P                 | 62                   | 117                  | 75                   | 8,204                       |
| A1211-8.25    | 8,25                       |                        | 62                   | 117                  | 75                   | 8,25                        |
| A1211-8.3     | 8,3                        |                        | 62                   | 117                  | 75                   | 8,3                         |
| A1211-21/64IN | 8,334                      | 21/64"                 | 62                   | 117                  | 75                   | 8,334                       |
| A1211-8.4     | 8,4                        |                        | 62                   | 117                  | 75                   | 8,4                         |
| A1211-LET.Q   | 8,433                      | Let. Q                 | 62                   | 117                  | 75                   | 8,433                       |
| A1211-8.5     | 8,5                        |                        | 62                   | 117                  | 75                   | 8,5                         |
| A1211-8.6     | 8,6                        |                        | 66                   | 125                  | 81                   | 8,6                         |
| A1211-LET.R   | 8,611                      | Let. R                 | 66                   | 125                  | 81                   | 8,611                       |
| A1211-8.7     | 8,7                        |                        | 66                   | 125                  | 81                   | 8,7                         |
| A1211-11/32IN | 8,731                      | 11/32"                 | 66                   | 125                  | 81                   | 8,731                       |
| A1211-8.75    | 8,75                       |                        | 66                   | 125                  | 81                   | 8,75                        |
| A1211-8.8     | 8,8                        |                        | 66                   | 125                  | 81                   | 8,8                         |
| A1211-8.9     | 8,9                        |                        | 66                   | 125                  | 81                   | 8,9                         |
| A1211-9       | 9                          |                        | 66                   | 125                  | 81                   | 9                           |
| A1211-LET.T   | 9,093                      | Let. T                 | 66                   | 125                  | 81                   | 9,093                       |
| A1211-9.1     | 9,1                        |                        | 66                   | 125                  | 81                   | 9,1                         |

B1

WALTER  
SELECT

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

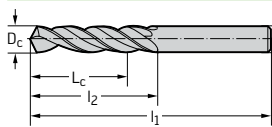
## Инструмент



Cylindrical shank

| Обозначение   | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|---------------|----------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------------|
| A1211-23/64IN | 9,128                      | 23/64"                 | 66                   | 125                  | 81                   | 9,128                       |
| A1211-9.2     | 9,2                        |                        | 66                   | 125                  | 81                   | 9,2                         |
| A1211-9.25    | 9,25                       |                        | 66                   | 125                  | 81                   | 9,25                        |
| A1211-9.3     | 9,3                        |                        | 66                   | 125                  | 81                   | 9,3                         |
| A1211-LET.U   | 9,347                      | Let. U                 | 66                   | 125                  | 81                   | 9,347                       |
| A1211-9.4     | 9,4                        |                        | 66                   | 125                  | 81                   | 9,4                         |
| A1211-9.5     | 9,5                        |                        | 66                   | 125                  | 81                   | 9,5                         |
| A1211-3/8IN   | 9,525                      | 3/8"                   | 71                   | 133                  | 87                   | 9,525                       |
| A1211-9.6     | 9,6                        |                        | 71                   | 133                  | 87                   | 9,6                         |
| A1211-9.7     | 9,7                        |                        | 71                   | 133                  | 87                   | 9,7                         |
| A1211-9.75    | 9,75                       |                        | 71                   | 133                  | 87                   | 9,75                        |
| A1211-9.8     | 9,8                        |                        | 71                   | 133                  | 87                   | 9,8                         |
| A1211-LET.W   | 9,804                      | Let. W                 | 71                   | 133                  | 87                   | 9,804                       |
| A1211-9.9     | 9,9                        |                        | 71                   | 133                  | 87                   | 9,9                         |
| A1211-25/64IN | 9,922                      | 25/64"                 | 71                   | 133                  | 87                   | 9,922                       |
| A1211-10      | 10                         |                        | 71                   | 133                  | 87                   | 10                          |
| A1211-LET.X   | 10,084                     | Let. X                 | 71                   | 133                  | 87                   | 10,084                      |
| A1211-10.1    | 10,1                       |                        | 71                   | 133                  | 87                   | 10,1                        |
| A1211-10.2    | 10,2                       |                        | 71                   | 133                  | 87                   | 10,2                        |
| A1211-10.25   | 10,25                      |                        | 71                   | 133                  | 87                   | 10,25                       |
| A1211-LET.Y   | 10,262                     | Let. Y                 | 71                   | 133                  | 87                   | 10,262                      |
| A1211-10.3    | 10,3                       |                        | 71                   | 133                  | 87                   | 10,3                        |
| A1211-13/32IN | 10,319                     | 13/32"                 | 71                   | 133                  | 87                   | 10,319                      |
| A1211-10.4    | 10,4                       |                        | 71                   | 133                  | 87                   | 10,4                        |
| A1211-LET.Z   | 10,490                     | Let. Z                 | 71                   | 133                  | 87                   | 10,49                       |
| A1211-10.5    | 10,5                       |                        | 71                   | 133                  | 87                   | 10,5                        |
| A1211-10.6    | 10,6                       |                        | 71                   | 133                  | 87                   | 10,6                        |
| A1211-10.7    | 10,7                       |                        | 76                   | 142                  | 94                   | 10,7                        |
| A1211-27/64IN | 10,716                     | 27/64"                 | 76                   | 142                  | 94                   | 10,716                      |
| A1211-10.75   | 10,75                      |                        | 76                   | 142                  | 94                   | 10,75                       |
| A1211-10.8    | 10,8                       |                        | 76                   | 142                  | 94                   | 10,8                        |
| A1211-10.9    | 10,9                       |                        | 76                   | 142                  | 94                   | 10,9                        |
| A1211-11      | 11                         |                        | 76                   | 142                  | 94                   | 11                          |
| A1211-11.1    | 11,1                       |                        | 76                   | 142                  | 94                   | 11,1                        |
| A1211-7/16IN  | 11,113                     | 7/16"                  | 76                   | 142                  | 94                   | 11,113                      |
| A1211-11.2    | 11,2                       |                        | 76                   | 142                  | 94                   | 11,2                        |
| A1211-11.25   | 11,25                      |                        | 76                   | 142                  | 94                   | 11,25                       |
| A1211-11.3    | 11,3                       |                        | 76                   | 142                  | 94                   | 11,3                        |
| A1211-11.4    | 11,4                       |                        | 76                   | 142                  | 94                   | 11,4                        |
| A1211-11.5    | 11,5                       |                        | 76                   | 142                  | 94                   | 11,5                        |
| A1211-29/64IN | 11,509                     | 29/64"                 | 76                   | 142                  | 94                   | 11,509                      |
| A1211-11.6    | 11,6                       |                        | 76                   | 142                  | 94                   | 11,6                        |
| A1211-11.7    | 11,7                       |                        | 76                   | 142                  | 94                   | 11,7                        |
| A1211-11.75   | 11,75                      |                        | 76                   | 142                  | 94                   | 11,75                       |
| A1211-11.8    | 11,8                       |                        | 76                   | 142                  | 94                   | 11,8                        |
| A1211-11.9    | 11,9                       |                        | 87                   | 151                  | 101                  | 11,9                        |

## Инструмент



Cylindrical shank

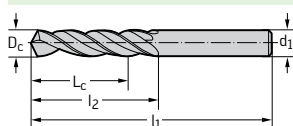
| Обозначение   | D <sub>c</sub><br>h8<br>мм | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>мм | l <sub>1</sub><br>мм | l <sub>2</sub><br>мм | d <sub>1</sub><br>f11<br>мм |
|---------------|----------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------------|
| A1211-15/32IN | 11,906                     | 15/32"                 | 87                   | 151                  | 101                  | 11,906                      |
| A1211-12      | 12                         |                        | 87                   | 151                  | 101                  | 12                          |
| A1211-12.1    | 12,1                       |                        | 87                   | 151                  | 101                  | 12,1                        |
| A1211-12.2    | 12,2                       |                        | 87                   | 151                  | 101                  | 12,2                        |
| A1211-12.25   | 12,25                      |                        | 87                   | 151                  | 101                  | 12,25                       |
| A1211-12.3    | 12,3                       |                        | 87                   | 151                  | 101                  | 12,3                        |
| A1211-31/64IN | 12,303                     | 31/64"                 | 87                   | 151                  | 101                  | 12,303                      |
| A1211-12.4    | 12,4                       |                        | 87                   | 151                  | 101                  | 12,4                        |
| A1211-12.5    | 12,5                       |                        | 87                   | 151                  | 101                  | 12,5                        |
| A1211-12.6    | 12,6                       |                        | 87                   | 151                  | 101                  | 12,6                        |
| A1211-1/2IN   | 12,700                     | 1/2"                   | 87                   | 151                  | 101                  | 12,7                        |
| A1211-12.75   | 12,75                      |                        | 87                   | 151                  | 101                  | 12,75                       |
| A1211-12.8    | 12,8                       |                        | 87                   | 151                  | 101                  | 12,8                        |
| A1211-12.9    | 12,9                       |                        | 87                   | 151                  | 101                  | 12,9                        |
| A1211-13      | 13                         |                        | 87                   | 151                  | 101                  | 13                          |
| A1211-33/64IN | 13,097                     |                        | 87                   | 151                  | 101                  | 13,097                      |
| A1211-13.1    | 13,1                       |                        | 87                   | 151                  | 101                  | 13,1                        |
| A1211-13.2    | 13,2                       |                        | 87                   | 151                  | 101                  | 13,2                        |
| A1211-13.25   | 13,25                      |                        | 94                   | 160                  | 108                  | 13,25                       |
| A1211-13.3    | 13,3                       |                        | 94                   | 160                  | 108                  | 13,3                        |
| A1211-13.4    | 13,4                       |                        | 94                   | 160                  | 108                  | 13,4                        |
| A1211-17/32IN | 13,494                     | 17/32"                 | 94                   | 160                  | 108                  | 13,494                      |
| A1211-13.5    | 13,5                       |                        | 94                   | 160                  | 108                  | 13,5                        |
| A1211-13.6    | 13,6                       |                        | 94                   | 160                  | 108                  | 13,6                        |
| A1211-13.7    | 13,7                       |                        | 94                   | 160                  | 108                  | 13,7                        |
| A1211-13.75   | 13,75                      |                        | 94                   | 160                  | 108                  | 13,75                       |
| A1211-13.8    | 13,8                       |                        | 94                   | 160                  | 108                  | 13,8                        |
| A1211-35/64IN | 13,891                     |                        | 94                   | 160                  | 108                  | 13,891                      |
| A1211-13.9    | 13,9                       |                        | 94                   | 160                  | 108                  | 13,9                        |
| A1211-14      | 14                         |                        | 94                   | 160                  | 108                  | 14                          |
| A1211-14.1    | 14,1                       |                        | 99                   | 169                  | 114                  | 14,1                        |
| A1211-14.2    | 14,2                       |                        | 99                   | 169                  | 114                  | 14,2                        |
| A1211-14.25   | 14,25                      |                        | 99                   | 169                  | 114                  | 14,25                       |
| A1211-9/16IN  | 14,288                     | 9/16"                  | 99                   | 169                  | 114                  | 14,288                      |
| A1211-14.3    | 14,3                       |                        | 99                   | 169                  | 114                  | 14,3                        |
| A1211-14.5    | 14,5                       |                        | 99                   | 169                  | 114                  | 14,5                        |
| A1211-37/64IN | 14,684                     | 37/64"                 | 99                   | 169                  | 114                  | 14,684                      |
| A1211-14.75   | 14,75                      |                        | 99                   | 169                  | 114                  | 14,75                       |
| A1211-15      | 15                         |                        | 99                   | 169                  | 114                  | 15                          |
| A1211-19/32IN | 15,081                     | 19/32"                 | 104                  | 178                  | 120                  | 15,081                      |
| A1211-15.2    | 15,2                       |                        | 104                  | 178                  | 120                  | 15,2                        |
| A1211-15.25   | 15,25                      |                        | 104                  | 178                  | 120                  | 15,25                       |
| A1211-39/64IN | 15,478                     | 39/64"                 | 104                  | 178                  | 120                  | 15,478                      |
| A1211-15.5    | 15,5                       |                        | 104                  | 178                  | 120                  | 15,5                        |
| A1211-15.75   | 15,75                      |                        | 104                  | 178                  | 120                  | 15,75                       |
| A1211-5/8IN   | 15,875                     | 5/8"                   | 104                  | 178                  | 120                  | 15,875                      |

B1

WALTER  
SELECT

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

## Инструмент



Cylindrical shank

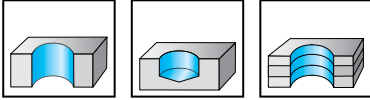
| Обозначение   | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|---------------|----------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------------|
| A1211-16      | 16                         |                        | 104                  | 178                  | 120                  | 16                          |
| A1211-41/64IN | 16,272                     |                        | 108                  | 184                  | 125                  | 16,272                      |
| A1211-16.5    | 16,5                       |                        | 108                  | 184                  | 125                  | 16,5                        |
| A1211-21/32IN | 16,669                     |                        | 108                  | 184                  | 125                  | 16,669                      |
| A1211-17      | 17                         |                        | 108                  | 184                  | 125                  | 17                          |
| A1211-43/64IN | 17,066                     |                        | 112                  | 191                  | 130                  | 17,066                      |
| A1211-11/16IN | 17,463                     |                        | 112                  | 191                  | 130                  | 17,463                      |
| A1211-17.5    | 17,5                       |                        | 112                  | 191                  | 130                  | 17,5                        |
| A1211-18      | 18                         |                        | 112                  | 191                  | 130                  | 18                          |
| A1211-18.5    | 18,5                       |                        | 116                  | 198                  | 135                  | 18,5                        |
| A1211-19      | 19                         |                        | 116                  | 198                  | 135                  | 19                          |
| A1211-19.5    | 19,5                       |                        | 120                  | 205                  | 140                  | 19,5                        |
| A1211-20      | 20                         |                        | 120                  | 205                  | 140                  | 20                          |
| A1211-21      | 21                         |                        | 123                  | 213                  | 145                  | 21                          |
| A1211-22      | 22                         |                        | 127                  | 221                  | 150                  | 22                          |

B1

# Набор свёрл спиральных быстрорежущих A1211TIN Z3219TIN



– Тип N



B1

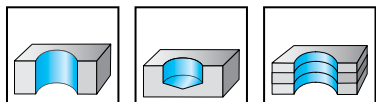
| Инструмент |               |                         |                         |           |                 |     |
|------------|---------------|-------------------------|-------------------------|-----------|-----------------|-----|
|            | Обозначение   | D <sub>сmin</sub><br>мм | D <sub>сmax</sub><br>мм | Шаг<br>мм | Кол-во в наборе | TIN |
|            | Z3219TIN-1-13 | 1                       | 13                      | 0,5       | 25              |     |
|            |               |                         |                         |           |                 |     |

●● Основная область применения    ● Возможная область применения  
 Оптимально подходит для → хороших = 😊 → нормальных = 😐 → неблагоприятных = ☹️ условий обработки

# Набор свёрл спиральных быстрорежущих A1211 Z3218




- Тип N



B1

## Инструмент

|   | Обозначение  | D <sub>сmin</sub><br>mm | D <sub>сmax</sub><br>mm | Шаг<br>mm | Кол-во в наборе |
|---|--------------|-------------------------|-------------------------|-----------|-----------------|
|  | Z3218-1-10.5 | 1                       | 10,5                    | 0,5       | 24              |

Корпус и сборочные детали входят в комплект поставки

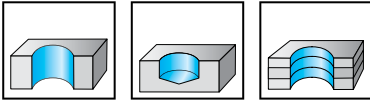
**WALTER  
SELECT**

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = 😊 → нормальных = 😐 → неблагоприятных = ☹️ условий обработки

# Набор свёрл спиральных быстрорежущих A1211 Z3219



– Тип N



## Инструмент

| Инструмент | Обозначение | D <sub>сmin</sub><br>мм | D <sub>сmax</sub><br>мм | Шаг<br>мм | Кол-во в наборе |
|------------|-------------|-------------------------|-------------------------|-----------|-----------------|
|            | Z3219-1-13  | 1                       | 13                      | 0,5       | 25              |

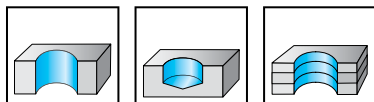
Корпус и сборочные детали входят в комплект поставки

B1

# Набор свёрл спиральных быстрорежущих A121 Z3213



- Тип N



B1

## Инструмент



| Обозначение | D <sub>сmin</sub><br>mm | D <sub>сmax</sub><br>mm | Шаг<br>mm | Кол-во в наборе |
|-------------|-------------------------|-------------------------|-----------|-----------------|
| Z3213-1-6   | 1                       | 6                       | 0,1       | 51              |

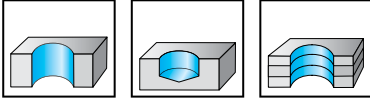
Корпус и сборочные детали входят в комплект поставки



# Набор свёрл спиральных быстрорежущих A1211 Z3216



– Тип N



## Инструмент

| Инструмент | Обозначение | D <sub>сmin</sub><br>мм | D <sub>сmax</sub><br>мм | Шаг<br>мм | Кол-во в наборе |
|------------|-------------|-------------------------|-------------------------|-----------|-----------------|
|            | Z3216-6-10  | 6                       | 10                      | 0,1       | 41              |

Корпус и сборочные детали входят в комплект поставки

**WALTER SELECT**

●● Основная область применения ● Возможная область применения

Оптимально подходит для → хороших = 😊 → нормальных = 😐 → неблагоприятных = ☹️ условий обработки

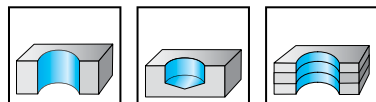
B1

# Свёрла спиральные быстрорежущие

## DA110 Perform



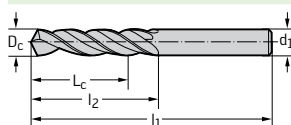
– Предлагаются в виде комплекта  
– Тип N



B1

|        |    |   |    |   |   |   |   |
|--------|----|---|----|---|---|---|---|
|        | P  | M | K  | N | S | H | 0 |
| WZ90AJ | ●● | ● | ●● | ● |   |   | ● |

### Инструмент



Cylindrical shank

| Обозначение        | D <sub>c</sub><br>h8<br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm | WZ90AJ |
|--------------------|----------------------------|----------------------|----------------------|----------------------|-----------------------------|--------|
| DA110-08-01.000U0- | 1                          | 10                   | 34                   | 12                   | 1                           | ☼      |
| DA110-08-01.100U0- | 1,1                        | 12                   | 36                   | 14                   | 1,1                         | ☼      |
| DA110-08-01.200U0- | 1,2                        | 14                   | 38                   | 16                   | 1,2                         | ☼      |
| DA110-08-01.300U0- | 1,3                        | 14                   | 38                   | 16                   | 1,3                         | ☼      |
| DA110-08-01.400U0- | 1,4                        | 15                   | 40                   | 18                   | 1,4                         | ☼      |
| DA110-08-01.500U0- | 1,5                        | 15                   | 40                   | 18                   | 1,5                         | ☼      |
| DA110-08-01.600U0- | 1,6                        | 17                   | 43                   | 20                   | 1,6                         | ☼      |
| DA110-08-01.700U0- | 1,7                        | 17                   | 43                   | 20                   | 1,7                         | ☼      |
| DA110-08-01.800U0- | 1,8                        | 19                   | 46                   | 22                   | 1,8                         | ☼      |
| DA110-08-01.900U0- | 1,9                        | 19                   | 46                   | 22                   | 1,9                         | ☼      |
| DA110-08-02.000U0- | 2                          | 20                   | 49                   | 24                   | 2                           | ☼      |
| DA110-08-02.100U0- | 2,1                        | 20                   | 49                   | 24                   | 2,1                         | ☼      |
| DA110-08-02.200U0- | 2,2                        | 23                   | 53                   | 27                   | 2,2                         | ☼      |
| DA110-08-02.300U0- | 2,3                        | 23                   | 53                   | 27                   | 2,3                         | ☼      |
| DA110-08-02.400U0- | 2,4                        | 26                   | 57                   | 30                   | 2,4                         | ☼      |
| DA110-08-02.500U0- | 2,5                        | 26                   | 57                   | 30                   | 2,5                         | ☼      |
| DA110-08-02.600U0- | 2,6                        | 26                   | 57                   | 30                   | 2,6                         | ☼      |
| DA110-08-02.700U0- | 2,7                        | 28                   | 61                   | 33                   | 2,7                         | ☼      |
| DA110-08-02.800U0- | 2,8                        | 28                   | 61                   | 33                   | 2,8                         | ☼      |
| DA110-08-02.900U0- | 2,9                        | 28                   | 61                   | 33                   | 2,9                         | ☼      |
| DA110-08-03.000U0- | 3                          | 28                   | 61                   | 33                   | 3                           | ☼      |
| DA110-08-03.100U0- | 3,1                        | 30                   | 65                   | 36                   | 3,1                         | ☼      |
| DA110-08-03.200U0- | 3,2                        | 30                   | 65                   | 36                   | 3,2                         | ☼      |
| DA110-08-03.300U0- | 3,3                        | 30                   | 65                   | 36                   | 3,3                         | ☼      |
| DA110-08-03.400U0- | 3,4                        | 33                   | 70                   | 39                   | 3,4                         | ☼      |
| DA110-08-03.500U0- | 3,5                        | 33                   | 70                   | 39                   | 3,5                         | ☼      |
| DA110-08-03.600U0- | 3,6                        | 33                   | 70                   | 39                   | 3,6                         | ☼      |
| DA110-08-03.700U0- | 3,7                        | 33                   | 70                   | 39                   | 3,7                         | ☼      |
| DA110-08-03.800U0- | 3,8                        | 36                   | 75                   | 43                   | 3,8                         | ☼      |
| DA110-08-03.900U0- | 3,9                        | 36                   | 75                   | 43                   | 3,9                         | ☼      |
| DA110-08-04.000U0- | 4                          | 36                   | 75                   | 43                   | 4                           | ☼      |
| DA110-08-04.100U0- | 4,1                        | 36                   | 75                   | 43                   | 4,1                         | ☼      |
| DA110-08-04.200U0- | 4,2                        | 36                   | 75                   | 43                   | 4,2                         | ☼      |
| DA110-08-04.300U0- | 4,3                        | 39                   | 80                   | 47                   | 4,3                         | ☼      |
| DA110-08-04.400U0- | 4,4                        | 39                   | 80                   | 47                   | 4,4                         | ☼      |
| DA110-08-04.500U0- | 4,5                        | 39                   | 80                   | 47                   | 4,5                         | ☼      |

Пример заказа инструмента из сплава WZ90AJ: DA110-08-01.000U0-WZ90AJ

WALTER  
SELECT

●● Основная область применения ● Возможная область применения  
Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☼ условий обработки

| Инструмент               | Обозначение        | D <sub>c</sub><br>h8<br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm | WZ90AJ |
|--------------------------|--------------------|----------------------------|----------------------|----------------------|----------------------|-----------------------------|--------|
| <p>Cylindrical shank</p> | DA110-08-04.600U0- | 4,6                        | 39                   | 80                   | 47                   | 4,6                         | ☹      |
|                          | DA110-08-04.700U0- | 4,7                        | 39                   | 80                   | 47                   | 4,7                         | ☹      |
|                          | DA110-08-04.800U0- | 4,8                        | 44                   | 86                   | 52                   | 4,8                         | ☹      |
|                          | DA110-08-04.900U0- | 4,9                        | 44                   | 86                   | 52                   | 4,9                         | ☹      |
|                          | DA110-08-05.000U0- | 5                          | 44                   | 86                   | 52                   | 5                           | ☹      |
|                          | DA110-08-05.100U0- | 5,1                        | 44                   | 86                   | 52                   | 5,1                         | ☹      |
|                          | DA110-08-05.200U0- | 5,2                        | 44                   | 86                   | 52                   | 5,2                         | ☹      |
|                          | DA110-08-05.300U0- | 5,3                        | 44                   | 86                   | 52                   | 5,3                         | ☹      |
|                          | DA110-08-05.400U0- | 5,4                        | 48                   | 93                   | 57                   | 5,4                         | ☹      |
|                          | DA110-08-05.500U0- | 5,5                        | 48                   | 93                   | 57                   | 5,5                         | ☹      |
|                          | DA110-08-05.600U0- | 5,6                        | 48                   | 93                   | 57                   | 5,6                         | ☹      |
|                          | DA110-08-05.700U0- | 5,7                        | 48                   | 93                   | 57                   | 5,7                         | ☹      |
|                          | DA110-08-05.800U0- | 5,8                        | 48                   | 93                   | 57                   | 5,8                         | ☹      |
|                          | DA110-08-05.900U0- | 5,9                        | 48                   | 93                   | 57                   | 5,9                         | ☹      |
|                          | DA110-08-06.000U0- | 6                          | 48                   | 93                   | 57                   | 6                           | ☹      |
|                          | DA110-08-06.100U0- | 6,1                        | 52                   | 101                  | 63                   | 6,1                         | ☹      |
|                          | DA110-08-06.200U0- | 6,2                        | 52                   | 101                  | 63                   | 6,2                         | ☹      |
|                          | DA110-08-06.300U0- | 6,3                        | 52                   | 101                  | 63                   | 6,3                         | ☹      |
|                          | DA110-08-06.400U0- | 6,4                        | 52                   | 101                  | 63                   | 6,4                         | ☹      |
|                          | DA110-08-06.500U0- | 6,5                        | 52                   | 101                  | 63                   | 6,5                         | ☹      |
|                          | DA110-08-06.600U0- | 6,6                        | 52                   | 101                  | 63                   | 6,6                         | ☹      |
|                          | DA110-08-06.700U0- | 6,7                        | 52                   | 101                  | 63                   | 6,7                         | ☹      |
|                          | DA110-08-06.800U0- | 6,8                        | 57                   | 109                  | 69                   | 6,8                         | ☹      |
|                          | DA110-08-06.900U0- | 6,9                        | 57                   | 109                  | 69                   | 6,9                         | ☹      |
|                          | DA110-08-07.000U0- | 7                          | 57                   | 109                  | 69                   | 7                           | ☹      |
|                          | DA110-08-07.100U0- | 7,1                        | 57                   | 109                  | 69                   | 7,1                         | ☹      |
|                          | DA110-08-07.200U0- | 7,2                        | 57                   | 109                  | 69                   | 7,2                         | ☹      |
|                          | DA110-08-07.300U0- | 7,3                        | 57                   | 109                  | 69                   | 7,3                         | ☹      |
|                          | DA110-08-07.400U0- | 7,4                        | 57                   | 109                  | 69                   | 7,4                         | ☹      |
|                          | DA110-08-07.500U0- | 7,5                        | 57                   | 109                  | 69                   | 7,5                         | ☹      |
|                          | DA110-08-07.600U0- | 7,6                        | 62                   | 117                  | 75                   | 7,6                         | ☹      |
|                          | DA110-08-07.700U0- | 7,7                        | 62                   | 117                  | 75                   | 7,7                         | ☹      |
|                          | DA110-08-07.800U0- | 7,8                        | 62                   | 117                  | 75                   | 7,8                         | ☹      |
|                          | DA110-08-07.900U0- | 7,9                        | 62                   | 117                  | 75                   | 7,9                         | ☹      |
| DA110-08-08.000U0-       | 8                  | 62                         | 117                  | 75                   | 8                    | ☹                           |        |
| DA110-08-08.100U0-       | 8,1                | 62                         | 117                  | 75                   | 8,1                  | ☹                           |        |
| DA110-08-08.200U0-       | 8,2                | 62                         | 117                  | 75                   | 8,2                  | ☹                           |        |
| DA110-08-08.300U0-       | 8,3                | 62                         | 117                  | 75                   | 8,3                  | ☹                           |        |
| DA110-08-08.400U0-       | 8,4                | 62                         | 117                  | 75                   | 8,4                  | ☹                           |        |
| DA110-08-08.500U0-       | 8,5                | 62                         | 117                  | 75                   | 8,5                  | ☹                           |        |
| DA110-08-08.600U0-       | 8,6                | 66                         | 125                  | 81                   | 8,6                  | ☹                           |        |
| DA110-08-08.700U0-       | 8,7                | 66                         | 125                  | 81                   | 8,7                  | ☹                           |        |
| DA110-08-08.800U0-       | 8,8                | 66                         | 125                  | 81                   | 8,8                  | ☹                           |        |
| DA110-08-08.900U0-       | 8,9                | 66                         | 125                  | 81                   | 8,9                  | ☹                           |        |
| DA110-08-09.000U0-       | 9                  | 66                         | 125                  | 81                   | 9                    | ☹                           |        |
| DA110-08-09.100U0-       | 9,1                | 66                         | 125                  | 81                   | 9,1                  | ☹                           |        |

Пример заказа инструмента из сплава WZ90AJ: DA110-08-01.000U0-WZ90AJ

WALTER  
SELECT

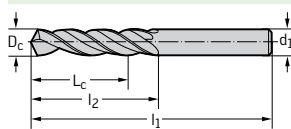
●● Основная область применения ● Возможная область применения  
Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

☹ ☹ ☹ / \* = Новый инструмент

Свёрла быстрорежущие В 395

B1

## Инструмент



Cylindrical shank

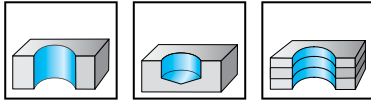
| Обозначение        | D <sub>c</sub><br>h8<br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm | WZ90AJ |
|--------------------|----------------------------|----------------------|----------------------|----------------------|-----------------------------|--------|
| DA110-08-09.200U0- | 9,2                        | 66                   | 125                  | 81                   | 9,2                         | ☹☹     |
| DA110-08-09.300U0- | 9,3                        | 66                   | 125                  | 81                   | 9,3                         | ☹☹     |
| DA110-08-09.400U0- | 9,4                        | 66                   | 125                  | 81                   | 9,4                         | ☹☹     |
| DA110-08-09.500U0- | 9,5                        | 66                   | 125                  | 81                   | 9,5                         | ☹☹     |
| DA110-08-09.600U0- | 9,6                        | 71                   | 133                  | 87                   | 9,6                         | ☹☹     |
| DA110-08-09.700U0- | 9,7                        | 71                   | 133                  | 87                   | 9,7                         | ☹☹     |
| DA110-08-09.800U0- | 9,8                        | 71                   | 133                  | 87                   | 9,8                         | ☹☹     |
| DA110-08-09.900U0- | 9,9                        | 71                   | 133                  | 87                   | 9,9                         | ☹☹     |
| DA110-08-10.000U0- | 10                         | 71                   | 133                  | 87                   | 10                          | ☹☹     |
| DA110-08-10.100U0- | 10,1                       | 71                   | 133                  | 87                   | 10,1                        | ☹☹     |
| DA110-08-10.200U0- | 10,2                       | 71                   | 133                  | 87                   | 10,2                        | ☹☹     |
| DA110-08-10.300U0- | 10,3                       | 71                   | 133                  | 87                   | 10,3                        | ☹☹     |
| DA110-08-10.400U0- | 10,4                       | 71                   | 133                  | 87                   | 10,4                        | ☹☹     |
| DA110-08-10.500U0- | 10,5                       | 71                   | 133                  | 87                   | 10,5                        | ☹☹     |
| DA110-08-10.700U0- | 10,7                       | 76                   | 142                  | 94                   | 10,7                        | ☹☹     |
| DA110-08-10.800U0- | 10,8                       | 76                   | 142                  | 94                   | 10,8                        | ☹☹     |
| DA110-08-11.000U0- | 11                         | 76                   | 142                  | 94                   | 11                          | ☹☹     |
| DA110-08-11.100U0- | 11,1                       | 76                   | 142                  | 94                   | 11,1                        | ☹☹     |
| DA110-08-11.300U0- | 11,3                       | 76                   | 142                  | 94                   | 11,3                        | ☹☹     |
| DA110-08-11.500U0- | 11,5                       | 76                   | 142                  | 94                   | 11,5                        | ☹☹     |
| DA110-08-11.800U0- | 11,8                       | 76                   | 142                  | 94                   | 11,8                        | ☹☹     |
| DA110-08-12.000U0- | 12                         | 87                   | 151                  | 101                  | 12                          | ☹☹     |
| DA110-08-12.100U0- | 12,1                       | 87                   | 151                  | 101                  | 12,1                        | ☹☹     |
| DA110-08-12.200U0- | 12,2                       | 87                   | 151                  | 101                  | 12,2                        | ☹☹     |
| DA110-08-12.500U0- | 12,5                       | 87                   | 151                  | 101                  | 12,5                        | ☹☹     |
| DA110-08-13.000U0- | 13                         | 87                   | 151                  | 101                  | 13                          | ☹☹     |
| DA110-08-13.500U0- | 13,5                       | 94                   | 160                  | 108                  | 13,5                        | ☹☹     |
| DA110-08-13.700U0- | 13,7                       | 94                   | 160                  | 108                  | 13,7                        | ☹☹     |
| DA110-08-14.000U0- | 14                         | 94                   | 160                  | 108                  | 14                          | ☹☹     |
| DA110-08-14.500U0- | 14,5                       | 99                   | 169                  | 114                  | 14,5                        | ☹☹     |
| DA110-08-15.000U0- | 15                         | 99                   | 169                  | 114                  | 15                          | ☹☹     |
| DA110-08-15.500U0- | 15,5                       | 104                  | 178                  | 120                  | 15,5                        | ☹☹     |
| DA110-08-16.000U0- | 16                         | 104                  | 178                  | 120                  | 16                          | ☹☹     |

Пример заказа инструмента из сплава WZ90AJ: DA110-08-01.000U0-WZ90AJ

# Кассета с быстрорежущими свёрлами DA110 Perform




– Тип N



|        |    |   |    |   |   |   |   |
|--------|----|---|----|---|---|---|---|
|        | P  | M | K  | N | S | H | 0 |
| WZ90AJ | ●● | ● | ●● | ● | ● |   | ● |

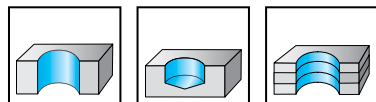
B1

| Инструмент   |                         |                         |           |                 |   | WZ90AJ |
|--|-------------------------|-------------------------|-----------|-----------------|---|--------|
| Обозначение  | D <sub>сmin</sub><br>mm | D <sub>сmax</sub><br>mm | Шаг<br>mm | Кол-во в наборе |   |        |
| <br>DA110-SET-1-10.5- | 1                       | 10,5                    | 0,5       | 24              | ☒ |        |

# Кассета с быстрорежущими свёрлами DA110 Perform



- Тип N



|        |    |   |    |   |   |   |   |
|--------|----|---|----|---|---|---|---|
|        | P  | M | K  | N | S | H | 0 |
| WZ90AJ | ●● | ● | ●● | ● | ● |   | ● |

B1

## Инструмент

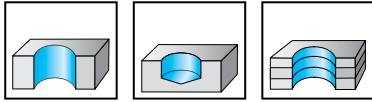


| Обозначение     | D <sub>сmin</sub><br>мм | D <sub>сmax</sub><br>мм | Шаг<br>мм | Кол-во в наборе | WZ90AJ |
|-----------------|-------------------------|-------------------------|-----------|-----------------|--------|
| DA110-SET-1-13- | 1                       | 13                      | 0,5       | 25              | ☒      |

## Свёрла HSS-E для обработки глубоких отверстий, средняя серия

A1549TFP

UFL®



|     |    |    |    |    |   |   |   |
|-----|----|----|----|----|---|---|---|
|     | P  | M  | K  | N  | S | H | O |
| TFP | ●● | ●● | ●● | ●● | ● |   | ● |

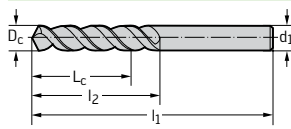
B1

| Инструмент               | Обозначение  | D <sub>c</sub><br>h8<br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|--------------------------|--------------|----------------------------|----------------------|----------------------|----------------------|-----------------------------|
| <p>Cylindrical shank</p> | A1549TFP-1   | 1                          | 31                   | 56                   | 33                   | 1                           |
|                          | A1549TFP-1.1 | 1.1                        | 35                   | 60                   | 37                   | 1.1                         |
|                          | A1549TFP-1.2 | 1.2                        | 39                   | 65                   | 41                   | 1.2                         |
|                          | A1549TFP-1.3 | 1.3                        | 39                   | 65                   | 41                   | 1.3                         |
|                          | A1549TFP-1.4 | 1.4                        | 42                   | 70                   | 45                   | 1.4                         |
|                          | A1549TFP-1.5 | 1.5                        | 42                   | 70                   | 45                   | 1.5                         |
|                          | A1549TFP-1.6 | 1.6                        | 47                   | 76                   | 50                   | 1.6                         |
|                          | A1549TFP-1.7 | 1.7                        | 47                   | 76                   | 50                   | 1.7                         |
|                          | A1549TFP-1.8 | 1.8                        | 50                   | 80                   | 53                   | 1.8                         |
|                          | A1549TFP-1.9 | 1.9                        | 50                   | 80                   | 53                   | 1.9                         |
|                          | A1549TFP-2   | 2                          | 52                   | 85                   | 56                   | 2                           |
|                          | A1549TFP-2.1 | 2.1                        | 52                   | 85                   | 56                   | 2.1                         |
|                          | A1549TFP-2.2 | 2.2                        | 55                   | 90                   | 59                   | 2.2                         |
|                          | A1549TFP-2.3 | 2.3                        | 55                   | 90                   | 59                   | 2.3                         |
|                          | A1549TFP-2.4 | 2.4                        | 58                   | 95                   | 62                   | 2.4                         |
|                          | A1549TFP-2.5 | 2.5                        | 58                   | 95                   | 62                   | 2.5                         |
|                          | A1549TFP-2.6 | 2.6                        | 58                   | 95                   | 62                   | 2.6                         |
|                          | A1549TFP-2.7 | 2.7                        | 61                   | 100                  | 66                   | 2.7                         |
|                          | A1549TFP-2.8 | 2.8                        | 61                   | 100                  | 66                   | 2.8                         |
|                          | A1549TFP-2.9 | 2.9                        | 61                   | 100                  | 66                   | 2.9                         |
|                          | A1549TFP-3   | 3                          | 61                   | 100                  | 66                   | 3                           |
|                          | A1549TFP-3.1 | 3.1                        | 63                   | 106                  | 69                   | 3.1                         |
|                          | A1549TFP-3.2 | 3.2                        | 63                   | 106                  | 69                   | 3.2                         |
|                          | A1549TFP-3.3 | 3.3                        | 63                   | 106                  | 69                   | 3.3                         |
|                          | A1549TFP-3.4 | 3.4                        | 67                   | 112                  | 73                   | 3.4                         |
|                          | A1549TFP-3.5 | 3.5                        | 67                   | 112                  | 73                   | 3.5                         |
|                          | A1549TFP-3.6 | 3.6                        | 67                   | 112                  | 73                   | 3.6                         |
|                          | A1549TFP-3.7 | 3.7                        | 67                   | 112                  | 73                   | 3.7                         |
|                          | A1549TFP-3.8 | 3.8                        | 71                   | 119                  | 78                   | 3.8                         |
|                          | A1549TFP-3.9 | 3.9                        | 71                   | 119                  | 78                   | 3.9                         |
|                          | A1549TFP-4   | 4                          | 71                   | 119                  | 78                   | 4                           |
|                          | A1549TFP-4.1 | 4.1                        | 71                   | 119                  | 78                   | 4.1                         |
|                          | A1549TFP-4.2 | 4.2                        | 71                   | 119                  | 78                   | 4.2                         |
|                          | A1549TFP-4.3 | 4.3                        | 74                   | 126                  | 82                   | 4.3                         |
|                          | A1549TFP-4.4 | 4.4                        | 74                   | 126                  | 82                   | 4.4                         |
|                          | A1549TFP-4.5 | 4.5                        | 74                   | 126                  | 82                   | 4.5                         |

WALTER  
SELECT

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

## Инструмент



Cylindrical shank

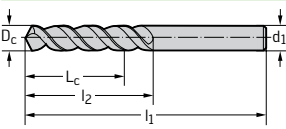
| Обозначение  | D <sub>c</sub><br>h8<br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|--------------|----------------------------|----------------------|----------------------|----------------------|-----------------------------|
| A1549TFP-4.6 | 4,6                        | 74                   | 126                  | 82                   | 4,6                         |
| A1549TFP-4.7 | 4,7                        | 74                   | 126                  | 82                   | 4,7                         |
| A1549TFP-4.8 | 4,8                        | 79                   | 132                  | 87                   | 4,8                         |
| A1549TFP-4.9 | 4,9                        | 79                   | 132                  | 87                   | 4,9                         |
| A1549TFP-5   | 5                          | 79                   | 132                  | 87                   | 5                           |
| A1549TFP-5.1 | 5,1                        | 79                   | 132                  | 87                   | 5,1                         |
| A1549TFP-5.2 | 5,2                        | 79                   | 132                  | 87                   | 5,2                         |
| A1549TFP-5.3 | 5,3                        | 79                   | 132                  | 87                   | 5,3                         |
| A1549TFP-5.4 | 5,4                        | 82                   | 139                  | 91                   | 5,4                         |
| A1549TFP-5.5 | 5,5                        | 82                   | 139                  | 91                   | 5,5                         |
| A1549TFP-5.6 | 5,6                        | 82                   | 139                  | 91                   | 5,6                         |
| A1549TFP-5.7 | 5,7                        | 82                   | 139                  | 91                   | 5,7                         |
| A1549TFP-5.8 | 5,8                        | 82                   | 139                  | 91                   | 5,8                         |
| A1549TFP-5.9 | 5,9                        | 82                   | 139                  | 91                   | 5,9                         |
| A1549TFP-6   | 6                          | 82                   | 139                  | 91                   | 6                           |
| A1549TFP-6.1 | 6,1                        | 86                   | 148                  | 97                   | 6,1                         |
| A1549TFP-6.2 | 6,2                        | 86                   | 148                  | 97                   | 6,2                         |
| A1549TFP-6.3 | 6,3                        | 86                   | 148                  | 97                   | 6,3                         |
| A1549TFP-6.4 | 6,4                        | 86                   | 148                  | 97                   | 6,4                         |
| A1549TFP-6.5 | 6,5                        | 86                   | 148                  | 97                   | 6,5                         |
| A1549TFP-6.6 | 6,6                        | 86                   | 148                  | 97                   | 6,6                         |
| A1549TFP-6.7 | 6,7                        | 86                   | 148                  | 97                   | 6,7                         |
| A1549TFP-6.8 | 6,8                        | 90                   | 156                  | 102                  | 6,8                         |
| A1549TFP-6.9 | 6,9                        | 90                   | 156                  | 102                  | 6,9                         |
| A1549TFP-7   | 7                          | 90                   | 156                  | 102                  | 7                           |
| A1549TFP-7.1 | 7,1                        | 90                   | 156                  | 102                  | 7,1                         |
| A1549TFP-7.2 | 7,2                        | 90                   | 156                  | 102                  | 7,2                         |
| A1549TFP-7.3 | 7,3                        | 90                   | 156                  | 102                  | 7,3                         |
| A1549TFP-7.4 | 7,4                        | 90                   | 156                  | 102                  | 7,4                         |
| A1549TFP-7.5 | 7,5                        | 90                   | 156                  | 102                  | 7,5                         |
| A1549TFP-7.6 | 7,6                        | 96                   | 165                  | 109                  | 7,6                         |
| A1549TFP-7.7 | 7,7                        | 96                   | 165                  | 109                  | 7,7                         |
| A1549TFP-7.8 | 7,8                        | 96                   | 165                  | 109                  | 7,8                         |
| A1549TFP-7.9 | 7,9                        | 96                   | 165                  | 109                  | 7,9                         |
| A1549TFP-8   | 8                          | 96                   | 165                  | 109                  | 8                           |
| A1549TFP-8.1 | 8,1                        | 96                   | 165                  | 109                  | 8,1                         |
| A1549TFP-8.2 | 8,2                        | 96                   | 165                  | 109                  | 8,2                         |
| A1549TFP-8.3 | 8,3                        | 96                   | 165                  | 109                  | 8,3                         |
| A1549TFP-8.4 | 8,4                        | 96                   | 165                  | 109                  | 8,4                         |
| A1549TFP-8.5 | 8,5                        | 96                   | 165                  | 109                  | 8,5                         |
| A1549TFP-8.6 | 8,6                        | 100                  | 175                  | 115                  | 8,6                         |
| A1549TFP-8.7 | 8,7                        | 100                  | 175                  | 115                  | 8,7                         |
| A1549TFP-8.8 | 8,8                        | 100                  | 175                  | 115                  | 8,8                         |
| A1549TFP-8.9 | 8,9                        | 100                  | 175                  | 115                  | 8,9                         |
| A1549TFP-9   | 9                          | 100                  | 175                  | 115                  | 9                           |
| A1549TFP-9.1 | 9,1                        | 100                  | 175                  | 115                  | 9,1                         |

B1

 WALTER  
SELECT

●● Основная область применения    ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки



| Инструмент   |               | $D_c$<br>h8<br>mm | $L_c$<br>mm | $l_1$<br>mm | $l_2$<br>mm | $d_1$<br>f11<br>mm |
|--|---------------|-------------------|-------------|-------------|-------------|--------------------|
|  <p>Cylindrical shank</p> | Обозначение   |                   |             |             |             |                    |
|  | A1549TFP-9.3  | 9,3               | 100         | 175         | 115         | 9,3                |
|  | A1549TFP-9.4  | 9,4               | 100         | 175         | 115         | 9,4                |
|  | A1549TFP-9.5  | 9,5               | 100         | 175         | 115         | 9,5                |
|  | A1549TFP-9.6  | 9,6               | 105         | 184         | 121         | 9,6                |
|  | A1549TFP-9.7  | 9,7               | 105         | 184         | 121         | 9,7                |
|  | A1549TFP-9.8  | 9,8               | 105         | 184         | 121         | 9,8                |
|  | A1549TFP-9.9  | 9,9               | 105         | 184         | 121         | 9,9                |
|  | A1549TFP-10   | 10                | 105         | 184         | 121         | 10                 |
|  | A1549TFP-10.2 | 10,2              | 105         | 184         | 121         | 10,2               |
|  | A1549TFP-10.5 | 10,5              | 105         | 184         | 121         | 10,5               |
|  | A1549TFP-11   | 11                | 110         | 195         | 128         | 11                 |
|  | A1549TFP-11.5 | 11,5              | 110         | 195         | 128         | 11,5               |
| A1549TFP-12  | 12            | 120               | 205         | 134         | 12          |                    |

B1

**WALTER  
SELECT**

Основная область применения   
 
 Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = 😐 → неблагоприятных = ☹️ условий обработки

☺ ☹️ ☹️ / \* = Новый инструмент

Свёрла быстрорежущие В 401

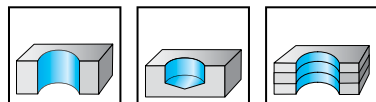
# Свёрла спиральные HSS-E, средняя серия

## A1547

### Alpha® XE



– До 1,9 мм – без покрытия

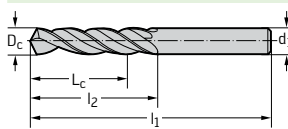


|              |   |    |     |   |    |   |   |
|--------------|---|----|-----|---|----|---|---|
|              | P | M  | K   | N | S  | H | O |
| без покрытия | ● | ●● | ●●● | ● | ●● |   | ● |

B1

| Инструмент               | Обозначение  | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|--------------------------|--------------|----------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------------|
| <p>Cylindrical shank</p> | A1547-1      | 1                          |                        | 31                   | 56                   | 33                   | 1                           |
|                          | A1547-N060   | 1,016                      | No. 60                 | 31                   | 56                   | 33                   | 1,016                       |
|                          | A1547-N059   | 1,041                      | No. 59                 | 31                   | 56                   | 33                   | 1,041                       |
|                          | A1547-N058   | 1,067                      | No. 58                 | 35                   | 60                   | 37                   | 1,067                       |
|                          | A1547-1.1    | 1,1                        |                        | 35                   | 60                   | 37                   | 1,1                         |
|                          | A1547-N056   | 1,181                      | No. 56                 | 39                   | 65                   | 41                   | 1,181                       |
|                          | A1547-3/64IN | 1,191                      | 3/64"                  | 39                   | 65                   | 41                   | 1,191                       |
|                          | A1547-1.2    | 1,2                        |                        | 39                   | 65                   | 41                   | 1,2                         |
|                          | A1547-1.3    | 1,3                        |                        | 39                   | 65                   | 41                   | 1,3                         |
|                          | A1547-N055   | 1,321                      | No. 55                 | 42                   | 70                   | 45                   | 1,321                       |
|                          | A1547-1.4    | 1,4                        |                        | 42                   | 70                   | 45                   | 1,4                         |
|                          | A1547-1.5    | 1,5                        |                        | 42                   | 70                   | 45                   | 1,5                         |
|                          | A1547-N053   | 1,511                      | No. 53                 | 47                   | 76                   | 50                   | 1,511                       |
|                          | A1547-1/16IN | 1,588                      | 1/16"                  | 47                   | 76                   | 50                   | 1,588                       |
|                          | A1547-1.6    | 1,6                        |                        | 47                   | 76                   | 50                   | 1,6                         |
|                          | A1547-N052   | 1,613                      | No. 52                 | 47                   | 76                   | 50                   | 1,613                       |
|                          | A1547-1.7    | 1,7                        |                        | 47                   | 76                   | 50                   | 1,7                         |
|                          | A1547-N051   | 1,702                      | No. 51                 | 50                   | 80                   | 53                   | 1,702                       |
|                          | A1547-N050   | 1,778                      | No. 50                 | 50                   | 80                   | 53                   | 1,778                       |
|                          | A1547-1.8    | 1,8                        |                        | 50                   | 80                   | 53                   | 1,8                         |
|                          | A1547-N049   | 1,854                      | No. 49                 | 50                   | 80                   | 53                   | 1,854                       |
|                          | A1547-1.9    | 1,9                        |                        | 50                   | 80                   | 53                   | 1,9                         |
|                          | A1547-N048   | 1,930                      | No. 48                 | 52                   | 85                   | 56                   | 1,93                        |
|                          | A1547-5/64IN | 1,984                      | 5/64"                  | 52                   | 85                   | 56                   | 1,984                       |
|                          | A1547-N047   | 1,994                      | No. 47                 | 52                   | 85                   | 56                   | 1,994                       |
|                          | A1547-2      | 2                          |                        | 52                   | 85                   | 56                   | 2                           |
|                          | A1547-N046   | 2,057                      | No. 46                 | 52                   | 85                   | 56                   | 2,057                       |
|                          | A1547-N045   | 2,083                      | No. 45                 | 52                   | 85                   | 56                   | 2,083                       |
| A1547-2.1                | 2,1          |                            | 52                     | 85                   | 56                   | 2,1                  |                             |
| A1547-N044               | 2,184        | No. 44                     | 55                     | 90                   | 59                   | 2,184                |                             |
| A1547-2.2                | 2,2          |                            | 55                     | 90                   | 59                   | 2,2                  |                             |
| A1547-N043               | 2,261        | No. 43                     | 55                     | 90                   | 59                   | 2,261                |                             |
| A1547-2.3                | 2,3          |                            | 55                     | 90                   | 59                   | 2,3                  |                             |
| A1547-N042               | 2,375        | No. 42                     | 58                     | 95                   | 62                   | 2,375                |                             |
| A1547-3/32IN             | 2,381        | 3/32"                      | 58                     | 95                   | 62                   | 2,381                |                             |
| A1547-2.4                | 2,4          |                            | 58                     | 95                   | 62                   | 2,4                  |                             |

## Инструмент



Cylindrical shank

| Обозначение   | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|---------------|----------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------------|
| A1547-N041    | 2,438                      | No. 41                 | 58                   | 95                   | 62                   | 2,438                       |
| A1547-N040    | 2,489                      | No. 40                 | 58                   | 95                   | 62                   | 2,489                       |
| A1547-2.5     | 2,5                        |                        | 58                   | 95                   | 62                   | 2,5                         |
| A1547-N038    | 2,578                      | No. 38                 | 58                   | 95                   | 62                   | 2,578                       |
| A1547-2.6     | 2,6                        |                        | 58                   | 95                   | 62                   | 2,6                         |
| A1547-N037    | 2,642                      | No. 37                 | 58                   | 95                   | 62                   | 2,642                       |
| A1547-2.7     | 2,7                        |                        | 61                   | 100                  | 66                   | 2,7                         |
| A1547-7/64IN  | 2,778                      | 7/64"                  | 61                   | 100                  | 66                   | 2,778                       |
| A1547-2.8     | 2,8                        |                        | 61                   | 100                  | 66                   | 2,8                         |
| A1547-N033    | 2,870                      | No. 33                 | 61                   | 100                  | 66                   | 2,87                        |
| A1547-2.9     | 2,9                        |                        | 61                   | 100                  | 66                   | 2,9                         |
| A1547-N032    | 2,946                      | No. 32                 | 61                   | 100                  | 66                   | 2,946                       |
| A1547-3       | 3                          |                        | 61                   | 100                  | 66                   | 3                           |
| A1547-N031    | 3,048                      | No. 31                 | 63                   | 106                  | 69                   | 3,048                       |
| A1547-3.1     | 3,1                        |                        | 63                   | 106                  | 69                   | 3,1                         |
| A1547-1/8IN   | 3,175                      | 1/8"                   | 63                   | 106                  | 69                   | 3,175                       |
| A1547-3.2     | 3,2                        |                        | 63                   | 106                  | 69                   | 3,2                         |
| A1547-N030    | 3,264                      | No. 30                 | 63                   | 106                  | 69                   | 3,264                       |
| A1547-3.3     | 3,3                        |                        | 63                   | 106                  | 69                   | 3,3                         |
| A1547-3.4     | 3,4                        |                        | 67                   | 112                  | 73                   | 3,4                         |
| A1547-3.5     | 3,5                        |                        | 67                   | 112                  | 73                   | 3,5                         |
| A1547-9/64IN  | 3,572                      | 9/64"                  | 67                   | 112                  | 73                   | 3,572                       |
| A1547-3.6     | 3,6                        |                        | 67                   | 112                  | 73                   | 3,6                         |
| A1547-3.7     | 3,7                        |                        | 67                   | 112                  | 73                   | 3,7                         |
| A1547-3.8     | 3,8                        |                        | 71                   | 119                  | 78                   | 3,8                         |
| A1547-3.9     | 3,9                        |                        | 71                   | 119                  | 78                   | 3,9                         |
| A1547-5/32IN  | 3,969                      | 5/32"                  | 71                   | 119                  | 78                   | 3,969                       |
| A1547-4       | 4                          |                        | 71                   | 119                  | 78                   | 4                           |
| A1547-4.1     | 4,1                        |                        | 71                   | 119                  | 78                   | 4,1                         |
| A1547-4.2     | 4,2                        |                        | 71                   | 119                  | 78                   | 4,2                         |
| A1547-4.3     | 4,3                        |                        | 74                   | 126                  | 82                   | 4,3                         |
| A1547-4.4     | 4,4                        |                        | 74                   | 126                  | 82                   | 4,4                         |
| A1547-4.5     | 4,5                        |                        | 74                   | 126                  | 82                   | 4,5                         |
| A1547-4.6     | 4,6                        |                        | 74                   | 126                  | 82                   | 4,6                         |
| A1547-4.7     | 4,7                        |                        | 74                   | 126                  | 82                   | 4,7                         |
| A1547-3/16IN  | 4,763                      | 3/16"                  | 79                   | 132                  | 87                   | 4,763                       |
| A1547-4.8     | 4,8                        |                        | 79                   | 132                  | 87                   | 4,8                         |
| A1547-4.9     | 4,9                        |                        | 79                   | 132                  | 87                   | 4,9                         |
| A1547-5       | 5                          |                        | 79                   | 132                  | 87                   | 5                           |
| A1547-5.1     | 5,1                        |                        | 79                   | 132                  | 87                   | 5,1                         |
| A1547-13/64IN | 5,159                      | 13/64"                 | 79                   | 132                  | 87                   | 5,159                       |
| A1547-5.2     | 5,2                        |                        | 79                   | 132                  | 87                   | 5,2                         |
| A1547-5.4     | 5,4                        |                        | 82                   | 139                  | 91                   | 5,4                         |
| A1547-5.5     | 5,5                        |                        | 82                   | 139                  | 91                   | 5,5                         |
| A1547-7/32IN  | 5,556                      | 7/32"                  | 82                   | 139                  | 91                   | 5,556                       |
| A1547-5.6     | 5,6                        |                        | 82                   | 139                  | 91                   | 5,6                         |

B1

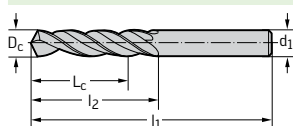
WALTER  
SELECT

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

☺ ☹ ☹ / \* = Новый инструмент

Свёрла быстрорежущие В 403

## Инструмент



Cylindrical shank

| Обозначение   | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|---------------|----------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------------|
| A1547-5.7     | 5,7                        |                        | 82                   | 139                  | 91                   | 5,7                         |
| A1547-5.8     | 5,8                        |                        | 82                   | 139                  | 91                   | 5,8                         |
| A1547-5.9     | 5,9                        |                        | 82                   | 139                  | 91                   | 5,9                         |
| A1547-15/64IN | 5,953                      | 15/64"                 | 82                   | 139                  | 91                   | 5,953                       |
| A1547-6       | 6                          |                        | 82                   | 139                  | 91                   | 6                           |
| A1547-6.1     | 6,1                        |                        | 86                   | 148                  | 97                   | 6,1                         |
| A1547-6.2     | 6,2                        |                        | 86                   | 148                  | 97                   | 6,2                         |
| A1547-6.3     | 6,3                        |                        | 86                   | 148                  | 97                   | 6,3                         |
| A1547-1/4IN   | 6,350                      | 1/4"                   | 86                   | 148                  | 97                   | 6,35                        |
| A1547-6.4     | 6,4                        |                        | 86                   | 148                  | 97                   | 6,4                         |
| A1547-6.5     | 6,5                        |                        | 86                   | 148                  | 97                   | 6,5                         |
| A1547-6.6     | 6,6                        |                        | 86                   | 148                  | 97                   | 6,6                         |
| A1547-6.7     | 6,7                        |                        | 86                   | 148                  | 97                   | 6,7                         |
| A1547-17/64IN | 6,747                      | 17/64"                 | 90                   | 156                  | 102                  | 6,747                       |
| A1547-6.8     | 6,8                        |                        | 90                   | 156                  | 102                  | 6,8                         |
| A1547-7       | 7                          |                        | 90                   | 156                  | 102                  | 7                           |
| A1547-9/32IN  | 7,144                      | 9/32"                  | 90                   | 156                  | 102                  | 7,144                       |
| A1547-7.5     | 7,5                        |                        | 90                   | 156                  | 102                  | 7,5                         |
| A1547-7.7     | 7,7                        |                        | 96                   | 165                  | 109                  | 7,7                         |
| A1547-7.8     | 7,8                        |                        | 96                   | 165                  | 109                  | 7,8                         |
| A1547-7.9     | 7,9                        |                        | 96                   | 165                  | 109                  | 7,9                         |
| A1547-5/16IN  | 7,938                      | 5/16"                  | 96                   | 165                  | 109                  | 7,938                       |
| A1547-8       | 8                          |                        | 96                   | 165                  | 109                  | 8                           |
| A1547-8.1     | 8,1                        |                        | 96                   | 165                  | 109                  | 8,1                         |
| A1547-8.2     | 8,2                        |                        | 96                   | 165                  | 109                  | 8,2                         |
| A1547-8.3     | 8,3                        |                        | 96                   | 165                  | 109                  | 8,3                         |
| A1547-8.5     | 8,5                        |                        | 96                   | 165                  | 109                  | 8,5                         |
| A1547-8.6     | 8,6                        |                        | 100                  | 175                  | 115                  | 8,6                         |
| A1547-8.7     | 8,7                        |                        | 100                  | 175                  | 115                  | 8,7                         |
| A1547-11/32IN | 8,731                      | 11/32"                 | 100                  | 175                  | 115                  | 8,731                       |
| A1547-8.8     | 8,8                        |                        | 100                  | 175                  | 115                  | 8,8                         |
| A1547-9       | 9                          |                        | 100                  | 175                  | 115                  | 9                           |
| A1547-23/64IN | 9,128                      | 23/64"                 | 100                  | 175                  | 115                  | 9,128                       |
| A1547-3/8IN   | 9,525                      | 3/8"                   | 105                  | 184                  | 121                  | 9,525                       |
| A1547-25/64IN | 9,922                      | 25/64"                 | 105                  | 184                  | 121                  | 9,922                       |
| A1547-10      | 10                         |                        | 105                  | 184                  | 121                  | 10                          |
| A1547-10.2    | 10,2                       |                        | 105                  | 184                  | 121                  | 10,2                        |
| A1547-13/32IN | 10,319                     | 13/32"                 | 105                  | 184                  | 121                  | 10,319                      |
| A1547-10.5    | 10,5                       |                        | 105                  | 184                  | 121                  | 10,5                        |
| A1547-27/64IN | 10,716                     | 27/64"                 | 110                  | 195                  | 128                  | 10,716                      |
| A1547-11      | 11                         |                        | 110                  | 195                  | 128                  | 11                          |
| A1547-7/16IN  | 11,113                     | 7/16"                  | 110                  | 195                  | 128                  | 11,113                      |
| A1547-11.5    | 11,5                       |                        | 110                  | 195                  | 128                  | 11,5                        |
| A1547-15/32IN | 11,906                     | 15/32"                 | 120                  | 205                  | 134                  | 11,906                      |
| A1547-12      | 12                         |                        | 120                  | 205                  | 134                  | 12                          |
| A1547-31/64IN | 12,303                     | 31/64"                 | 120                  | 205                  | 134                  | 12,303                      |
| A1547-1/2IN   | 12,700                     | 1/2"                   | 120                  | 205                  | 134                  | 12,7                        |

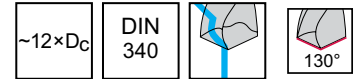
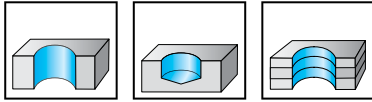
 WALTER  
SELECT

●● Основная область применения    ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = 😐 → неблагоприятных = ☹ условий обработки

## Свёрла спиральные HSS-E, средняя серия

A1544

VA



|              |   |    |   |   |    |   |   |
|--------------|---|----|---|---|----|---|---|
|              | P | M  | K | N | S  | H | O |
| без покрытия | ● | ●● | ● | ● | ●● | ● | ● |

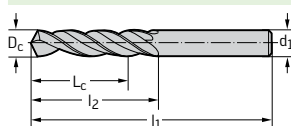
B1

| Инструмент               | Обозначение | D <sub>c</sub><br>h8<br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |     |
|--------------------------|-------------|----------------------------|----------------------|----------------------|----------------------|-----------------------------|-----|
| <p>Cylindrical shank</p> | A1544-1     | 1                          | 31                   | 56                   | 33                   | 1                           |     |
|                          | A1544-1.1   | 1.1                        | 35                   | 60                   | 37                   | 1.1                         |     |
|                          | A1544-1.2   | 1.2                        | 39                   | 65                   | 41                   | 1.2                         |     |
|                          | A1544-1.3   | 1.3                        | 39                   | 65                   | 41                   | 1.3                         |     |
|                          | A1544-1.4   | 1.4                        | 42                   | 70                   | 45                   | 1.4                         |     |
|                          | A1544-1.5   | 1.5                        | 42                   | 70                   | 45                   | 1.5                         |     |
|                          | A1544-1.6   | 1.6                        | 47                   | 76                   | 50                   | 1.6                         |     |
|                          | A1544-1.7   | 1.7                        | 47                   | 76                   | 50                   | 1.7                         |     |
|                          | A1544-1.8   | 1.8                        | 50                   | 80                   | 53                   | 1.8                         |     |
|                          | A1544-1.9   | 1.9                        | 50                   | 80                   | 53                   | 1.9                         |     |
|                          | A1544-2     | 2                          | 52                   | 85                   | 85                   | 56                          | 2   |
|                          | A1544-2.1   | 2.1                        | 52                   | 85                   | 85                   | 56                          | 2.1 |
|                          | A1544-2.2   | 2.2                        | 55                   | 90                   | 90                   | 59                          | 2.2 |
|                          | A1544-2.3   | 2.3                        | 55                   | 90                   | 90                   | 59                          | 2.3 |
|                          | A1544-2.4   | 2.4                        | 58                   | 95                   | 95                   | 62                          | 2.4 |
|                          | A1544-2.5   | 2.5                        | 58                   | 95                   | 95                   | 62                          | 2.5 |
|                          | A1544-2.6   | 2.6                        | 58                   | 95                   | 95                   | 62                          | 2.6 |
|                          | A1544-2.7   | 2.7                        | 61                   | 100                  | 100                  | 66                          | 2.7 |
|                          | A1544-2.8   | 2.8                        | 61                   | 100                  | 100                  | 66                          | 2.8 |
|                          | A1544-2.9   | 2.9                        | 61                   | 100                  | 100                  | 66                          | 2.9 |
|                          | A1544-3     | 3                          | 61                   | 100                  | 100                  | 66                          | 3   |
|                          | A1544-3.1   | 3.1                        | 63                   | 106                  | 106                  | 69                          | 3.1 |
|                          | A1544-3.2   | 3.2                        | 63                   | 106                  | 106                  | 69                          | 3.2 |
|                          | A1544-3.3   | 3.3                        | 63                   | 106                  | 106                  | 69                          | 3.3 |
|                          | A1544-3.4   | 3.4                        | 67                   | 112                  | 112                  | 73                          | 3.4 |
|                          | A1544-3.5   | 3.5                        | 67                   | 112                  | 112                  | 73                          | 3.5 |
|                          | A1544-3.6   | 3.6                        | 67                   | 112                  | 112                  | 73                          | 3.6 |
|                          | A1544-3.7   | 3.7                        | 67                   | 112                  | 112                  | 73                          | 3.7 |
|                          | A1544-3.8   | 3.8                        | 71                   | 119                  | 119                  | 78                          | 3.8 |
|                          | A1544-3.9   | 3.9                        | 71                   | 119                  | 119                  | 78                          | 3.9 |
|                          | A1544-4     | 4                          | 71                   | 119                  | 119                  | 78                          | 4   |
|                          | A1544-4.1   | 4.1                        | 71                   | 119                  | 119                  | 78                          | 4.1 |
|                          | A1544-4.2   | 4.2                        | 71                   | 119                  | 119                  | 78                          | 4.2 |
|                          | A1544-4.3   | 4.3                        | 74                   | 126                  | 126                  | 82                          | 4.3 |
|                          | A1544-4.4   | 4.4                        | 74                   | 126                  | 126                  | 82                          | 4.4 |
|                          | A1544-4.5   | 4.5                        | 74                   | 126                  | 126                  | 82                          | 4.5 |

WALTER  
SELECT

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

## Инструмент



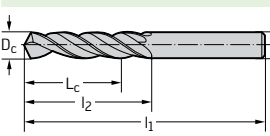
Cylindrical shank

| Обозначение | D <sub>c</sub><br>h8<br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|-------------|----------------------------|----------------------|----------------------|----------------------|-----------------------------|
| A1544-4.6   | 4,6                        | 74                   | 126                  | 82                   | 4,6                         |
| A1544-4.7   | 4,7                        | 74                   | 126                  | 82                   | 4,7                         |
| A1544-4.8   | 4,8                        | 79                   | 132                  | 87                   | 4,8                         |
| A1544-4.9   | 4,9                        | 79                   | 132                  | 87                   | 4,9                         |
| A1544-5     | 5                          | 79                   | 132                  | 87                   | 5                           |
| A1544-5.1   | 5,1                        | 79                   | 132                  | 87                   | 5,1                         |
| A1544-5.2   | 5,2                        | 79                   | 132                  | 87                   | 5,2                         |
| A1544-5.3   | 5,3                        | 79                   | 132                  | 87                   | 5,3                         |
| A1544-5.4   | 5,4                        | 82                   | 139                  | 91                   | 5,4                         |
| A1544-5.5   | 5,5                        | 82                   | 139                  | 91                   | 5,5                         |
| A1544-5.6   | 5,6                        | 82                   | 139                  | 91                   | 5,6                         |
| A1544-5.7   | 5,7                        | 82                   | 139                  | 91                   | 5,7                         |
| A1544-5.8   | 5,8                        | 82                   | 139                  | 91                   | 5,8                         |
| A1544-5.9   | 5,9                        | 82                   | 139                  | 91                   | 5,9                         |
| A1544-6     | 6                          | 82                   | 139                  | 91                   | 6                           |
| A1544-6.1   | 6,1                        | 86                   | 148                  | 97                   | 6,1                         |
| A1544-6.2   | 6,2                        | 86                   | 148                  | 97                   | 6,2                         |
| A1544-6.3   | 6,3                        | 86                   | 148                  | 97                   | 6,3                         |
| A1544-6.4   | 6,4                        | 86                   | 148                  | 97                   | 6,4                         |
| A1544-6.5   | 6,5                        | 86                   | 148                  | 97                   | 6,5                         |
| A1544-6.6   | 6,6                        | 86                   | 148                  | 97                   | 6,6                         |
| A1544-6.7   | 6,7                        | 86                   | 148                  | 97                   | 6,7                         |
| A1544-6.8   | 6,8                        | 90                   | 156                  | 102                  | 6,8                         |
| A1544-6.9   | 6,9                        | 90                   | 156                  | 102                  | 6,9                         |
| A1544-7     | 7                          | 90                   | 156                  | 102                  | 7                           |
| A1544-7.1   | 7,1                        | 90                   | 156                  | 102                  | 7,1                         |
| A1544-7.2   | 7,2                        | 90                   | 156                  | 102                  | 7,2                         |
| A1544-7.3   | 7,3                        | 90                   | 156                  | 102                  | 7,3                         |
| A1544-7.4   | 7,4                        | 90                   | 156                  | 102                  | 7,4                         |
| A1544-7.5   | 7,5                        | 90                   | 156                  | 102                  | 7,5                         |
| A1544-7.6   | 7,6                        | 96                   | 165                  | 109                  | 7,6                         |
| A1544-7.7   | 7,7                        | 96                   | 165                  | 109                  | 7,7                         |
| A1544-7.8   | 7,8                        | 96                   | 165                  | 109                  | 7,8                         |
| A1544-7.9   | 7,9                        | 96                   | 165                  | 109                  | 7,9                         |
| A1544-8     | 8                          | 96                   | 165                  | 109                  | 8                           |
| A1544-8.1   | 8,1                        | 96                   | 165                  | 109                  | 8,1                         |
| A1544-8.2   | 8,2                        | 96                   | 165                  | 109                  | 8,2                         |
| A1544-8.3   | 8,3                        | 96                   | 165                  | 109                  | 8,3                         |
| A1544-8.4   | 8,4                        | 96                   | 165                  | 109                  | 8,4                         |
| A1544-8.5   | 8,5                        | 96                   | 165                  | 109                  | 8,5                         |
| A1544-8.6   | 8,6                        | 100                  | 175                  | 115                  | 8,6                         |
| A1544-8.7   | 8,7                        | 100                  | 175                  | 115                  | 8,7                         |
| A1544-8.8   | 8,8                        | 100                  | 175                  | 115                  | 8,8                         |
| A1544-8.9   | 8,9                        | 100                  | 175                  | 115                  | 8,9                         |
| A1544-9     | 9                          | 100                  | 175                  | 115                  | 9                           |
| A1544-9.1   | 9,1                        | 100                  | 175                  | 115                  | 9,1                         |

 WALTER  
SELECT

●● Основная область применения    ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = 😐 → неблагоприятных = ☹ условий обработки

B1

| Инструмент   |             | $D_c$<br>h8<br>mm | $L_c$<br>mm | $l_1$<br>mm | $l_2$<br>mm | $d_1$<br>f11<br>mm |
|--|-------------|-------------------|-------------|-------------|-------------|--------------------|
|  <p>Cylindrical shank</p> | Обозначение |                   |             |             |             |                    |
|  | A1544-9.2   | 9,2               | 100         | 175         | 115         | 9,2                |
|  | A1544-9.3   | 9,3               | 100         | 175         | 115         | 9,3                |
|  | A1544-9.4   | 9,4               | 100         | 175         | 115         | 9,4                |
|  | A1544-9.5   | 9,5               | 100         | 175         | 115         | 9,5                |
|  | A1544-9.6   | 9,6               | 105         | 184         | 121         | 9,6                |
|  | A1544-9.7   | 9,7               | 105         | 184         | 121         | 9,7                |
|  | A1544-9.8   | 9,8               | 105         | 184         | 121         | 9,8                |
|  | A1544-9.9   | 9,9               | 105         | 184         | 121         | 9,9                |
|  | A1544-10    | 10                | 105         | 184         | 121         | 10                 |
|  | A1544-10.2  | 10,2              | 105         | 184         | 121         | 10,2               |
|  | A1544-10.5  | 10,5              | 105         | 184         | 121         | 10,5               |
| A1544-10.8   | 10,8        | 110               | 195         | 128         | 10,8        |                    |
| A1544-11   | 11          | 110               | 195         | 128         | 11          |                    |
| A1544-11.2   | 11,2        | 110               | 195         | 128         | 11,2        |                    |
| A1544-11.5   | 11,5        | 110               | 195         | 128         | 11,5        |                    |
| A1544-11.8   | 11,8        | 110               | 195         | 128         | 11,8        |                    |
| A1544-12   | 12          | 120               | 205         | 134         | 12          |                    |

B1

**WALTER  
SELECT**

●● Основная область применения   
 ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = 😐 → неблагоприятных = ☹️ условий обработки

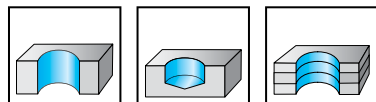
# Свёрла быстрорежущие для обработки глубоких отверстий, средняя серия

## A1522

### UFL®



– До 1,9 мм – без покрытия



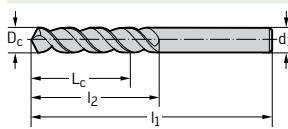
|              |    |   |    |    |   |   |   |
|--------------|----|---|----|----|---|---|---|
|              | P  | M | K  | N  | S | H | O |
| без покрытия | ●● | ● | ●● | ●● | ● |   | ● |

B1

| Инструмент               | Обозначение  | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|--------------------------|--------------|----------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------------|
| <p>Cylindrical shank</p> | A1522-1      | 1                          |                        | 31                   | 56                   | 33                   | 1                           |
|                          | A1522-N060   | 1,016                      | No. 60                 | 31                   | 56                   | 33                   | 1,016                       |
|                          | A1522-N059   | 1,041                      | No. 59                 | 31                   | 56                   | 33                   | 1,041                       |
|                          | A1522-N058   | 1,067                      | No. 58                 | 35                   | 60                   | 37                   | 1,067                       |
|                          | A1522-N057   | 1,092                      | No. 57                 | 35                   | 60                   | 37                   | 1,092                       |
|                          | A1522-1.1    | 1,1                        |                        | 35                   | 60                   | 37                   | 1,1                         |
|                          | A1522-N056   | 1,181                      | No. 56                 | 39                   | 65                   | 41                   | 1,181                       |
|                          | A1522-3/64IN | 1,191                      | 3/64"                  | 39                   | 65                   | 41                   | 1,191                       |
|                          | A1522-1.2    | 1,2                        |                        | 39                   | 65                   | 41                   | 1,2                         |
|                          | A1522-1.3    | 1,3                        |                        | 39                   | 65                   | 41                   | 1,3                         |
|                          | A1522-N055   | 1,321                      | No. 55                 | 42                   | 70                   | 45                   | 1,321                       |
|                          | A1522-N054   | 1,397                      | No. 54                 | 42                   | 70                   | 45                   | 1,397                       |
|                          | A1522-1.4    | 1,4                        |                        | 42                   | 70                   | 45                   | 1,4                         |
|                          | A1522-1.5    | 1,5                        |                        | 42                   | 70                   | 45                   | 1,5                         |
|                          | A1522-N053   | 1,511                      | No. 53                 | 47                   | 76                   | 50                   | 1,511                       |
|                          | A1522-1/16IN | 1,588                      | 1/16"                  | 47                   | 76                   | 50                   | 1,588                       |
|                          | A1522-1.6    | 1,6                        |                        | 47                   | 76                   | 50                   | 1,6                         |
|                          | A1522-N052   | 1,613                      | No. 52                 | 47                   | 76                   | 50                   | 1,613                       |
|                          | A1522-1.7    | 1,7                        |                        | 47                   | 76                   | 50                   | 1,7                         |
|                          | A1522-N051   | 1,702                      | No. 51                 | 50                   | 80                   | 53                   | 1,702                       |
|                          | A1522-N050   | 1,778                      | No. 50                 | 50                   | 80                   | 53                   | 1,778                       |
|                          | A1522-1.8    | 1,8                        |                        | 50                   | 80                   | 53                   | 1,8                         |
|                          | A1522-N049   | 1,854                      | No. 49                 | 50                   | 80                   | 53                   | 1,854                       |
|                          | A1522-1.9    | 1,9                        |                        | 50                   | 80                   | 53                   | 1,9                         |
|                          | A1522-N048   | 1,930                      | No. 48                 | 52                   | 85                   | 56                   | 1,93                        |
|                          | A1522-5/64IN | 1,984                      | 5/64"                  | 52                   | 85                   | 56                   | 1,984                       |
|                          | A1522-N047   | 1,994                      | No. 47                 | 52                   | 85                   | 56                   | 1,994                       |
|                          | A1522-2      | 2                          |                        | 52                   | 85                   | 56                   | 2                           |
|                          | A1522-N046   | 2,057                      | No. 46                 | 52                   | 85                   | 56                   | 2,057                       |
|                          | A1522-N045   | 2,083                      | No. 45                 | 52                   | 85                   | 56                   | 2,083                       |
| A1522-2.1                | 2,1          |                            | 52                     | 85                   | 56                   | 2,1                  |                             |
| A1522-N044               | 2,184        | No. 44                     | 55                     | 90                   | 59                   | 2,184                |                             |
| A1522-2.2                | 2,2          |                            | 55                     | 90                   | 59                   | 2,2                  |                             |
| A1522-N043               | 2,261        | No. 43                     | 55                     | 90                   | 59                   | 2,261                |                             |
| A1522-2.3                | 2,3          |                            | 55                     | 90                   | 59                   | 2,3                  |                             |
| A1522-N042               | 2,375        | No. 42                     | 58                     | 95                   | 62                   | 2,375                |                             |



## Инструмент



Cylindrical shank

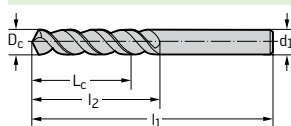
| Обозначение  | D <sub>c</sub><br>h8<br>мм | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>мм | l <sub>1</sub><br>мм | l <sub>2</sub><br>мм | d <sub>1</sub><br>f11<br>мм |
|--------------|----------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------------|
| A1522-3/32IN | 2,381                      | 3/32"                  | 58                   | 95                   | 62                   | 2,381                       |
| A1522-2.4    | 2,4                        |                        | 58                   | 95                   | 62                   | 2,4                         |
| A1522-N041   | 2,438                      | No. 41                 | 58                   | 95                   | 62                   | 2,438                       |
| A1522-N040   | 2,489                      | No. 40                 | 58                   | 95                   | 62                   | 2,489                       |
| A1522-2.5    | 2,5                        |                        | 58                   | 95                   | 62                   | 2,5                         |
| A1522-N039   | 2,527                      | No. 39                 | 58                   | 95                   | 62                   | 2,527                       |
| A1522-N038   | 2,578                      | No. 38                 | 58                   | 95                   | 62                   | 2,578                       |
| A1522-2.6    | 2,6                        |                        | 58                   | 95                   | 62                   | 2,6                         |
| A1522-N037   | 2,642                      | No. 37                 | 58                   | 95                   | 62                   | 2,642                       |
| A1522-2.7    | 2,7                        |                        | 61                   | 100                  | 66                   | 2,7                         |
| A1522-N036   | 2,705                      | No. 36                 | 61                   | 100                  | 66                   | 2,705                       |
| A1522-7/64IN | 2,778                      | 7/64"                  | 61                   | 100                  | 66                   | 2,778                       |
| A1522-N035   | 2,794                      | No. 35                 | 61                   | 100                  | 66                   | 2,794                       |
| A1522-2.8    | 2,8                        |                        | 61                   | 100                  | 66                   | 2,8                         |
| A1522-N034   | 2,819                      | No. 34                 | 61                   | 100                  | 66                   | 2,819                       |
| A1522-N033   | 2,870                      | No. 33                 | 61                   | 100                  | 66                   | 2,87                        |
| A1522-2.9    | 2,9                        |                        | 61                   | 100                  | 66                   | 2,9                         |
| A1522-N032   | 2,946                      | No. 32                 | 61                   | 100                  | 66                   | 2,946                       |
| A1522-3      | 3                          |                        | 61                   | 100                  | 66                   | 3                           |
| A1522-N031   | 3,048                      | No. 31                 | 63                   | 106                  | 69                   | 3,048                       |
| A1522-3.1    | 3,1                        |                        | 63                   | 106                  | 69                   | 3,1                         |
| A1522-1/8IN  | 3,175                      | 1/8"                   | 63                   | 106                  | 69                   | 3,175                       |
| A1522-3.2    | 3,2                        |                        | 63                   | 106                  | 69                   | 3,2                         |
| A1522-N030   | 3,264                      | No. 30                 | 63                   | 106                  | 69                   | 3,264                       |
| A1522-3.3    | 3,3                        |                        | 63                   | 106                  | 69                   | 3,3                         |
| A1522-3.4    | 3,4                        |                        | 67                   | 112                  | 73                   | 3,4                         |
| A1522-N029   | 3,454                      | No. 29                 | 67                   | 112                  | 73                   | 3,454                       |
| A1522-3.5    | 3,5                        |                        | 67                   | 112                  | 73                   | 3,5                         |
| A1522-N028   | 3,569                      | No. 28                 | 67                   | 112                  | 73                   | 3,569                       |
| A1522-9/64IN | 3,572                      | 9/64"                  | 67                   | 112                  | 73                   | 3,572                       |
| A1522-3.6    | 3,6                        |                        | 67                   | 112                  | 73                   | 3,6                         |
| A1522-N027   | 3,658                      | No. 27                 | 67                   | 112                  | 73                   | 3,658                       |
| A1522-3.7    | 3,7                        |                        | 67                   | 112                  | 73                   | 3,7                         |
| A1522-N026   | 3,734                      | No. 26                 | 67                   | 112                  | 73                   | 3,734                       |
| A1522-N025   | 3,797                      | No. 25                 | 71                   | 119                  | 78                   | 3,797                       |
| A1522-3.8    | 3,8                        |                        | 71                   | 119                  | 78                   | 3,8                         |
| A1522-N024   | 3,861                      | No. 24                 | 71                   | 119                  | 78                   | 3,861                       |
| A1522-3.9    | 3,9                        |                        | 71                   | 119                  | 78                   | 3,9                         |
| A1522-N023   | 3,912                      | No. 23                 | 71                   | 119                  | 78                   | 3,912                       |
| A1522-5/32IN | 3,969                      | 5/32"                  | 71                   | 119                  | 78                   | 3,969                       |
| A1522-N022   | 3,988                      | No. 22                 | 71                   | 119                  | 78                   | 3,988                       |
| A1522-4      | 4                          |                        | 71                   | 119                  | 78                   | 4                           |
| A1522-N021   | 4,039                      | No. 21                 | 71                   | 119                  | 78                   | 4,039                       |
| A1522-N020   | 4,089                      | No. 20                 | 71                   | 119                  | 78                   | 4,089                       |
| A1522-4.1    | 4,1                        |                        | 71                   | 119                  | 78                   | 4,1                         |
| A1522-4.2    | 4,2                        |                        | 71                   | 119                  | 78                   | 4,2                         |

B1

WALTER  
SELECT

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

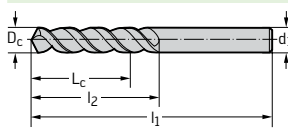
## Инструмент



Cylindrical shank

| Обозначение   | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|---------------|----------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------------|
| A1522-N019    | 4,216                      | No. 19                 | 71                   | 119                  | 78                   | 4,216                       |
| A1522-4.3     | 4,3                        |                        | 74                   | 126                  | 82                   | 4,3                         |
| A1522-N018    | 4,305                      | No. 18                 | 74                   | 126                  | 82                   | 4,305                       |
| A1522-11/64IN | 4,366                      | 11/64"                 | 74                   | 126                  | 82                   | 4,366                       |
| A1522-N017    | 4,394                      | No. 17                 | 74                   | 126                  | 82                   | 4,394                       |
| A1522-4.4     | 4,4                        |                        | 74                   | 126                  | 82                   | 4,4                         |
| A1522-N016    | 4,496                      | No. 16                 | 74                   | 126                  | 82                   | 4,496                       |
| A1522-4.5     | 4,5                        |                        | 74                   | 126                  | 82                   | 4,5                         |
| A1522-N015    | 4,572                      | No. 15                 | 74                   | 126                  | 82                   | 4,572                       |
| A1522-4.6     | 4,6                        |                        | 74                   | 126                  | 82                   | 4,6                         |
| A1522-N014    | 4,623                      | No. 14                 | 74                   | 126                  | 82                   | 4,623                       |
| A1522-N013    | 4,699                      | No. 13                 | 74                   | 126                  | 82                   | 4,699                       |
| A1522-4.7     | 4,7                        |                        | 74                   | 126                  | 82                   | 4,7                         |
| A1522-3/16IN  | 4,763                      | 3/16"                  | 79                   | 132                  | 87                   | 4,763                       |
| A1522-4.8     | 4,8                        |                        | 79                   | 132                  | 87                   | 4,8                         |
| A1522-N011    | 4,851                      | No. 11                 | 79                   | 132                  | 87                   | 4,851                       |
| A1522-4.9     | 4,9                        |                        | 79                   | 132                  | 87                   | 4,9                         |
| A1522-N010    | 4,915                      | No. 10                 | 79                   | 132                  | 87                   | 4,915                       |
| A1522-N09     | 4,978                      | No. 09                 | 79                   | 132                  | 87                   | 4,978                       |
| A1522-5       | 5                          |                        | 79                   | 132                  | 87                   | 5                           |
| A1522-N08     | 5,055                      | No. 08                 | 79                   | 132                  | 87                   | 5,055                       |
| A1522-5.1     | 5,1                        |                        | 79                   | 132                  | 87                   | 5,1                         |
| A1522-N07     | 5,105                      | No. 07                 | 79                   | 132                  | 87                   | 5,105                       |
| A1522-13/64IN | 5,159                      | 13/64"                 | 79                   | 132                  | 87                   | 5,159                       |
| A1522-N06     | 5,182                      | No. 06                 | 79                   | 132                  | 87                   | 5,182                       |
| A1522-5.2     | 5,2                        |                        | 79                   | 132                  | 87                   | 5,2                         |
| A1522-N05     | 5,220                      | No. 05                 | 79                   | 132                  | 87                   | 5,22                        |
| A1522-5.3     | 5,3                        |                        | 79                   | 132                  | 87                   | 5,3                         |
| A1522-N04     | 5,309                      | No. 04                 | 82                   | 139                  | 91                   | 5,309                       |
| A1522-5.4     | 5,4                        |                        | 82                   | 139                  | 91                   | 5,4                         |
| A1522-N03     | 5,410                      | No. 03                 | 82                   | 139                  | 91                   | 5,41                        |
| A1522-5.5     | 5,5                        |                        | 82                   | 139                  | 91                   | 5,5                         |
| A1522-7/32IN  | 5,556                      | 7/32"                  | 82                   | 139                  | 91                   | 5,556                       |
| A1522-5.6     | 5,6                        |                        | 82                   | 139                  | 91                   | 5,6                         |
| A1522-N02     | 5,613                      | No. 02                 | 82                   | 139                  | 91                   | 5,613                       |
| A1522-5.7     | 5,7                        |                        | 82                   | 139                  | 91                   | 5,7                         |
| A1522-N01     | 5,791                      | No. 01                 | 82                   | 139                  | 91                   | 5,791                       |
| A1522-5.8     | 5,8                        |                        | 82                   | 139                  | 91                   | 5,8                         |
| A1522-5.9     | 5,9                        |                        | 82                   | 139                  | 91                   | 5,9                         |
| A1522-15/64IN | 5,953                      | 15/64"                 | 82                   | 139                  | 91                   | 5,953                       |
| A1522-6       | 6                          |                        | 82                   | 139                  | 91                   | 6                           |
| A1522-6.1     | 6,1                        |                        | 86                   | 148                  | 97                   | 6,1                         |
| A1522-6.2     | 6,2                        |                        | 86                   | 148                  | 97                   | 6,2                         |
| A1522-6.3     | 6,3                        |                        | 86                   | 148                  | 97                   | 6,3                         |
| A1522-1/4IN   | 6,350                      | 1/4"                   | 86                   | 148                  | 97                   | 6,35                        |
| A1522-6.4     | 6,4                        |                        | 86                   | 148                  | 97                   | 6,4                         |

## Инструмент



Cylindrical shank

| Обозначение   | D <sub>c</sub><br>h8<br>мм | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>мм | l <sub>1</sub><br>мм | l <sub>2</sub><br>мм | d <sub>1</sub><br>f11<br>мм |
|---------------|----------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------------|
| A1522-6.5     | 6,5                        |                        | 86                   | 148                  | 97                   | 6,5                         |
| A1522-6.6     | 6,6                        |                        | 86                   | 148                  | 97                   | 6,6                         |
| A1522-6.7     | 6,7                        |                        | 86                   | 148                  | 97                   | 6,7                         |
| A1522-17/64IN | 6,747                      | 17/64"                 | 90                   | 156                  | 102                  | 6,747                       |
| A1522-6.8     | 6,8                        |                        | 90                   | 156                  | 102                  | 6,8                         |
| A1522-6.9     | 6,9                        |                        | 90                   | 156                  | 102                  | 6,9                         |
| A1522-7       | 7                          |                        | 90                   | 156                  | 102                  | 7                           |
| A1522-7.1     | 7,1                        |                        | 90                   | 156                  | 102                  | 7,1                         |
| A1522-9/32IN  | 7,144                      | 9/32"                  | 90                   | 156                  | 102                  | 7,144                       |
| A1522-7.2     | 7,2                        |                        | 90                   | 156                  | 102                  | 7,2                         |
| A1522-7.3     | 7,3                        |                        | 90                   | 156                  | 102                  | 7,3                         |
| A1522-7.4     | 7,4                        |                        | 90                   | 156                  | 102                  | 7,4                         |
| A1522-7.5     | 7,5                        |                        | 90                   | 156                  | 102                  | 7,5                         |
| A1522-19/64IN | 7,541                      | 19/64"                 | 96                   | 165                  | 109                  | 7,541                       |
| A1522-7.6     | 7,6                        |                        | 96                   | 165                  | 109                  | 7,6                         |
| A1522-7.7     | 7,7                        |                        | 96                   | 165                  | 109                  | 7,7                         |
| A1522-7.8     | 7,8                        |                        | 96                   | 165                  | 109                  | 7,8                         |
| A1522-7.9     | 7,9                        |                        | 96                   | 165                  | 109                  | 7,9                         |
| A1522-5/16IN  | 7,938                      | 5/16"                  | 96                   | 165                  | 109                  | 7,938                       |
| A1522-8       | 8                          |                        | 96                   | 165                  | 109                  | 8                           |
| A1522-8.1     | 8,1                        |                        | 96                   | 165                  | 109                  | 8,1                         |
| A1522-8.2     | 8,2                        |                        | 96                   | 165                  | 109                  | 8,2                         |
| A1522-8.3     | 8,3                        |                        | 96                   | 165                  | 109                  | 8,3                         |
| A1522-21/64IN | 8,334                      | 21/64"                 | 96                   | 165                  | 109                  | 8,334                       |
| A1522-8.4     | 8,4                        |                        | 96                   | 165                  | 109                  | 8,4                         |
| A1522-8.5     | 8,5                        |                        | 96                   | 165                  | 109                  | 8,5                         |
| A1522-8.6     | 8,6                        |                        | 100                  | 175                  | 115                  | 8,6                         |
| A1522-8.7     | 8,7                        |                        | 100                  | 175                  | 115                  | 8,7                         |
| A1522-11/32IN | 8,731                      | 11/32"                 | 100                  | 175                  | 115                  | 8,731                       |
| A1522-8.8     | 8,8                        |                        | 100                  | 175                  | 115                  | 8,8                         |
| A1522-8.9     | 8,9                        |                        | 100                  | 175                  | 115                  | 8,9                         |
| A1522-9       | 9                          |                        | 100                  | 175                  | 115                  | 9                           |
| A1522-9.1     | 9,1                        |                        | 100                  | 175                  | 115                  | 9,1                         |
| A1522-23/64IN | 9,128                      | 23/64"                 | 100                  | 175                  | 115                  | 9,128                       |
| A1522-9.2     | 9,2                        |                        | 100                  | 175                  | 115                  | 9,2                         |
| A1522-9.3     | 9,3                        |                        | 100                  | 175                  | 115                  | 9,3                         |
| A1522-9.4     | 9,4                        |                        | 100                  | 175                  | 115                  | 9,4                         |
| A1522-9.5     | 9,5                        |                        | 100                  | 175                  | 115                  | 9,5                         |
| A1522-3/8IN   | 9,525                      | 3/8"                   | 105                  | 184                  | 121                  | 9,525                       |
| A1522-9.6     | 9,6                        |                        | 105                  | 184                  | 121                  | 9,6                         |
| A1522-9.7     | 9,7                        |                        | 105                  | 184                  | 121                  | 9,7                         |
| A1522-9.8     | 9,8                        |                        | 105                  | 184                  | 121                  | 9,8                         |
| A1522-9.9     | 9,9                        |                        | 105                  | 184                  | 121                  | 9,9                         |
| A1522-25/64IN | 9,922                      | 25/64"                 | 105                  | 184                  | 121                  | 9,922                       |
| A1522-10      | 10                         |                        | 105                  | 184                  | 121                  | 10                          |
| A1522-10.2    | 10,2                       |                        | 105                  | 184                  | 121                  | 10,2                        |

B1

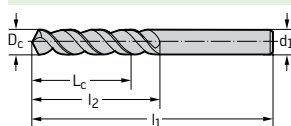
WALTER  
SELECT

● ● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

☺ ☹ ☹ / \* = Новый инструмент

Свёрла быстрорежущие B 411

## Инструмент



Cylindrical shank

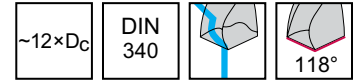
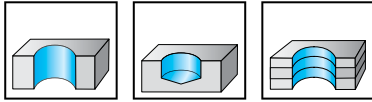
| Обозначение   | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|---------------|----------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------------|
| A1522-13/32IN | 10,319                     | 13/32"                 | 105                  | 184                  | 121                  | 10,319                      |
| A1522-10.5    | 10,5                       |                        | 105                  | 184                  | 121                  | 10,5                        |
| A1522-27/64IN | 10,716                     | 27/64"                 | 110                  | 195                  | 128                  | 10,716                      |
| A1522-10.8    | 10,8                       |                        | 110                  | 195                  | 128                  | 10,8                        |
| A1522-11      | 11                         |                        | 110                  | 195                  | 128                  | 11                          |
| A1522-7/16IN  | 11,113                     | 7/16"                  | 110                  | 195                  | 128                  | 11,113                      |
| A1522-11.2    | 11,2                       |                        | 110                  | 195                  | 128                  | 11,2                        |
| A1522-11.5    | 11,5                       |                        | 110                  | 195                  | 128                  | 11,5                        |
| A1522-29/64IN | 11,509                     | 29/64"                 | 110                  | 195                  | 128                  | 11,509                      |
| A1522-11.8    | 11,8                       |                        | 110                  | 195                  | 128                  | 11,8                        |
| A1522-15/32IN | 11,906                     | 15/32"                 | 120                  | 205                  | 134                  | 11,906                      |
| A1522-12      | 12                         |                        | 120                  | 205                  | 134                  | 12                          |
| A1522-31/64IN | 12,303                     | 31/64"                 | 120                  | 205                  | 134                  | 12,303                      |
| A1522-1/2IN   | 12,700                     | 1/2"                   | 120                  | 205                  | 134                  | 12,7                        |
| A1522-9/16IN  | 14,288                     | 9/16"                  | 129                  | 220                  | 144                  | 14,288                      |
| A1522-37/64IN | 14,684                     | 37/64"                 | 129                  | 220                  | 144                  | 14,684                      |
| A1522-39/64IN | 15,478                     | 39/64"                 | 133                  | 227                  | 149                  | 15,478                      |
| A1522-5/8IN   | 15,875                     | 5/8"                   | 133                  | 227                  | 149                  | 15,875                      |
| A1522-21/32IN | 16,669                     |                        | 137                  | 235                  | 154                  | 16,669                      |
| A1522-11/16IN | 17,463                     |                        | 140                  | 241                  | 158                  | 17,463                      |
| A1522-3/4IN   | 19,050                     | 3/4"                   | 146                  | 254                  | 166                  | 19,05                       |
| A1522-25/32IN | 19,844                     |                        | 146                  | 254                  | 166                  | 19,844                      |
| A1522-13/16IN | 20,638                     |                        | 149                  | 261                  | 171                  | 20,638                      |
| A1522-7/8IN   | 22,225                     | 7/8"                   | 153                  | 268                  | 176                  | 22,225                      |

B1

# Свёрла спиральные быстрорежущие, средняя серия

## A1511

– До 3 мм – без покрытия  
– Тип N



|              |   |   |   |   |   |   |   |
|--------------|---|---|---|---|---|---|---|
|              | P | M | K | N | S | H | O |
| без покрытия | ● | ● | ● | ● | ● |   | ● |

B1

| Инструмент | Обозначение | D <sub>c</sub><br>h8<br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|------------|-------------|----------------------------|----------------------|----------------------|----------------------|-----------------------------|
|            | A1511-0.5   | 0,5                        | 11,2                 | 32                   | 12                   | 0,5                         |
|            | A1511-0.6   | 0,6                        | 14,1                 | 35                   | 15                   | 0,6                         |
|            | A1511-0.7   | 0,7                        | 19,8                 | 42                   | 21                   | 0,7                         |
|            | A1511-0.8   | 0,8                        | 23,7                 | 46                   | 25                   | 0,8                         |
|            | A1511-0.9   | 0,9                        | 27,5                 | 51                   | 29                   | 0,9                         |
|            | A1511-1     | 1                          | 31                   | 56                   | 33                   | 1                           |
|            | A1511-1.1   | 1,1                        | 35                   | 60                   | 37                   | 1,1                         |
|            | A1511-1.2   | 1,2                        | 39                   | 65                   | 41                   | 1,2                         |
|            | A1511-1.3   | 1,3                        | 39                   | 65                   | 41                   | 1,3                         |
|            | A1511-1.4   | 1,4                        | 42                   | 70                   | 45                   | 1,4                         |
|            | A1511-1.5   | 1,5                        | 42                   | 70                   | 45                   | 1,5                         |
|            | A1511-1.6   | 1,6                        | 47                   | 76                   | 50                   | 1,6                         |
|            | A1511-1.65  | 1,65                       | 47                   | 76                   | 50                   | 1,65                        |
|            | A1511-1.7   | 1,7                        | 47                   | 76                   | 50                   | 1,7                         |
|            | A1511-1.75  | 1,75                       | 50                   | 80                   | 53                   | 1,75                        |
|            | A1511-1.8   | 1,8                        | 50                   | 80                   | 53                   | 1,8                         |
|            | A1511-1.9   | 1,9                        | 50                   | 80                   | 53                   | 1,9                         |
|            | A1511-2     | 2                          | 52                   | 85                   | 56                   | 2                           |
|            | A1511-2.05  | 2,05                       | 52                   | 85                   | 56                   | 2,05                        |
|            | A1511-2.1   | 2,1                        | 52                   | 85                   | 56                   | 2,1                         |
|            | A1511-2.2   | 2,2                        | 55                   | 90                   | 59                   | 2,2                         |
|            | A1511-2.25  | 2,25                       | 55                   | 90                   | 59                   | 2,25                        |
|            | A1511-2.3   | 2,3                        | 55                   | 90                   | 59                   | 2,3                         |
|            | A1511-2.4   | 2,4                        | 58                   | 95                   | 62                   | 2,4                         |
|            | A1511-2.5   | 2,5                        | 58                   | 95                   | 62                   | 2,5                         |
|            | A1511-2.6   | 2,6                        | 58                   | 95                   | 62                   | 2,6                         |
|            | A1511-2.7   | 2,7                        | 61                   | 100                  | 66                   | 2,7                         |
|            | A1511-2.8   | 2,8                        | 61                   | 100                  | 66                   | 2,8                         |
|            | A1511-2.9   | 2,9                        | 61                   | 100                  | 66                   | 2,9                         |
|            | A1511-3     | 3                          | 61                   | 100                  | 66                   | 3                           |
|            | A1511-3.1   | 3,1                        | 63                   | 106                  | 69                   | 3,1                         |
|            | A1511-3.15  | 3,15                       | 63                   | 106                  | 69                   | 3,15                        |
|            | A1511-3.2   | 3,2                        | 63                   | 106                  | 69                   | 3,2                         |
|            | A1511-3.3   | 3,3                        | 63                   | 106                  | 69                   | 3,3                         |
|            | A1511-3.4   | 3,4                        | 67                   | 112                  | 73                   | 3,4                         |
|            | A1511-3.5   | 3,5                        | 67                   | 112                  | 73                   | 3,5                         |

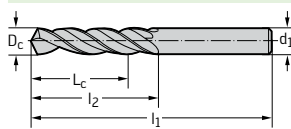
WALTER  
SELECT

●● Основная область применения ● Возможная область применения  
Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

☺ ☹ ☹ / \* = Новый инструмент

Свёрла быстрорежущие B 413

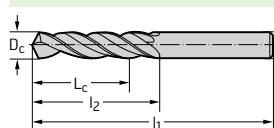
## Инструмент



Cylindrical shank

| Обозначение | D <sub>c</sub><br>h8<br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|-------------|----------------------------|----------------------|----------------------|----------------------|-----------------------------|
| A1511-3.6   | 3,6                        | 67                   | 112                  | 73                   | 3,6                         |
| A1511-3.7   | 3,7                        | 67                   | 112                  | 73                   | 3,7                         |
| A1511-3.8   | 3,8                        | 71                   | 119                  | 78                   | 3,8                         |
| A1511-3.9   | 3,9                        | 71                   | 119                  | 78                   | 3,9                         |
| A1511-4     | 4                          | 71                   | 119                  | 78                   | 4                           |
| A1511-4.1   | 4,1                        | 71                   | 119                  | 78                   | 4,1                         |
| A1511-4.2   | 4,2                        | 71                   | 119                  | 78                   | 4,2                         |
| A1511-4.25  | 4,25                       | 71                   | 119                  | 78                   | 4,25                        |
| A1511-4.3   | 4,3                        | 74                   | 126                  | 82                   | 4,3                         |
| A1511-4.4   | 4,4                        | 74                   | 126                  | 82                   | 4,4                         |
| A1511-4.5   | 4,5                        | 74                   | 126                  | 82                   | 4,5                         |
| A1511-4.6   | 4,6                        | 74                   | 126                  | 82                   | 4,6                         |
| A1511-4.7   | 4,7                        | 74                   | 126                  | 82                   | 4,7                         |
| A1511-4.75  | 4,75                       | 74                   | 126                  | 82                   | 4,75                        |
| A1511-4.8   | 4,8                        | 79                   | 132                  | 87                   | 4,8                         |
| A1511-4.9   | 4,9                        | 79                   | 132                  | 87                   | 4,9                         |
| A1511-5     | 5                          | 79                   | 132                  | 87                   | 5                           |
| A1511-5.1   | 5,1                        | 79                   | 132                  | 87                   | 5,1                         |
| A1511-5.2   | 5,2                        | 79                   | 132                  | 87                   | 5,2                         |
| A1511-5.25  | 5,25                       | 79                   | 132                  | 87                   | 5,25                        |
| A1511-5.3   | 5,3                        | 79                   | 132                  | 87                   | 5,3                         |
| A1511-5.4   | 5,4                        | 82                   | 139                  | 91                   | 5,4                         |
| A1511-5.5   | 5,5                        | 82                   | 139                  | 91                   | 5,5                         |
| A1511-5.6   | 5,6                        | 82                   | 139                  | 91                   | 5,6                         |
| A1511-5.7   | 5,7                        | 82                   | 139                  | 91                   | 5,7                         |
| A1511-5.75  | 5,75                       | 82                   | 139                  | 91                   | 5,75                        |
| A1511-5.8   | 5,8                        | 82                   | 139                  | 91                   | 5,8                         |
| A1511-5.9   | 5,9                        | 82                   | 139                  | 91                   | 5,9                         |
| A1511-6     | 6                          | 82                   | 139                  | 91                   | 6                           |
| A1511-6.1   | 6,1                        | 86                   | 148                  | 97                   | 6,1                         |
| A1511-6.2   | 6,2                        | 86                   | 148                  | 97                   | 6,2                         |
| A1511-6.3   | 6,3                        | 86                   | 148                  | 97                   | 6,3                         |
| A1511-6.4   | 6,4                        | 86                   | 148                  | 97                   | 6,4                         |
| A1511-6.5   | 6,5                        | 86                   | 148                  | 97                   | 6,5                         |
| A1511-6.6   | 6,6                        | 86                   | 148                  | 97                   | 6,6                         |
| A1511-6.7   | 6,7                        | 86                   | 148                  | 97                   | 6,7                         |
| A1511-6.75  | 6,75                       | 90                   | 156                  | 102                  | 6,75                        |
| A1511-6.8   | 6,8                        | 90                   | 156                  | 102                  | 6,8                         |
| A1511-6.9   | 6,9                        | 90                   | 156                  | 102                  | 6,9                         |
| A1511-7     | 7                          | 90                   | 156                  | 102                  | 7                           |
| A1511-7.1   | 7,1                        | 90                   | 156                  | 102                  | 7,1                         |
| A1511-7.2   | 7,2                        | 90                   | 156                  | 102                  | 7,2                         |
| A1511-7.25  | 7,25                       | 90                   | 156                  | 102                  | 7,25                        |
| A1511-7.3   | 7,3                        | 90                   | 156                  | 102                  | 7,3                         |
| A1511-7.4   | 7,4                        | 90                   | 156                  | 102                  | 7,4                         |
| A1511-7.5   | 7,5                        | 90                   | 156                  | 102                  | 7,5                         |

## Инструмент



Cylindrical shank

| Обозначение | D <sub>c</sub><br>h8<br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|-------------|----------------------------|----------------------|----------------------|----------------------|-----------------------------|
| A1511-7.6   | 7,6                        | 96                   | 165                  | 109                  | 7,6                         |
| A1511-7.7   | 7,7                        | 96                   | 165                  | 109                  | 7,7                         |
| A1511-7.8   | 7,8                        | 96                   | 165                  | 109                  | 7,8                         |
| A1511-7.9   | 7,9                        | 96                   | 165                  | 109                  | 7,9                         |
| A1511-8     | 8                          | 96                   | 165                  | 109                  | 8                           |
| A1511-8.1   | 8,1                        | 96                   | 165                  | 109                  | 8,1                         |
| A1511-8.2   | 8,2                        | 96                   | 165                  | 109                  | 8,2                         |
| A1511-8.3   | 8,3                        | 96                   | 165                  | 109                  | 8,3                         |
| A1511-8.4   | 8,4                        | 96                   | 165                  | 109                  | 8,4                         |
| A1511-8.5   | 8,5                        | 96                   | 165                  | 109                  | 8,5                         |
| A1511-8.6   | 8,6                        | 100                  | 175                  | 115                  | 8,6                         |
| A1511-8.7   | 8,7                        | 100                  | 175                  | 115                  | 8,7                         |
| A1511-8.75  | 8,75                       | 100                  | 175                  | 115                  | 8,75                        |
| A1511-8.8   | 8,8                        | 100                  | 175                  | 115                  | 8,8                         |
| A1511-8.9   | 8,9                        | 100                  | 175                  | 115                  | 8,9                         |
| A1511-9     | 9                          | 100                  | 175                  | 115                  | 9                           |
| A1511-9.1   | 9,1                        | 100                  | 175                  | 115                  | 9,1                         |
| A1511-9.2   | 9,2                        | 100                  | 175                  | 115                  | 9,2                         |
| A1511-9.25  | 9,25                       | 100                  | 175                  | 115                  | 9,25                        |
| A1511-9.3   | 9,3                        | 100                  | 175                  | 115                  | 9,3                         |
| A1511-9.4   | 9,4                        | 100                  | 175                  | 115                  | 9,4                         |
| A1511-9.5   | 9,5                        | 100                  | 175                  | 115                  | 9,5                         |
| A1511-9.6   | 9,6                        | 105                  | 184                  | 121                  | 9,6                         |
| A1511-9.7   | 9,7                        | 105                  | 184                  | 121                  | 9,7                         |
| A1511-9.75  | 9,75                       | 105                  | 184                  | 121                  | 9,75                        |
| A1511-9.8   | 9,8                        | 105                  | 184                  | 121                  | 9,8                         |
| A1511-9.9   | 9,9                        | 105                  | 184                  | 121                  | 9,9                         |
| A1511-10    | 10                         | 105                  | 184                  | 121                  | 10                          |
| A1511-10.1  | 10,1                       | 105                  | 184                  | 121                  | 10,1                        |
| A1511-10.2  | 10,2                       | 105                  | 184                  | 121                  | 10,2                        |
| A1511-10.3  | 10,3                       | 105                  | 184                  | 121                  | 10,3                        |
| A1511-10.4  | 10,4                       | 105                  | 184                  | 121                  | 10,4                        |
| A1511-10.5  | 10,5                       | 105                  | 184                  | 121                  | 10,5                        |
| A1511-10.7  | 10,7                       | 110                  | 195                  | 128                  | 10,7                        |
| A1511-10.8  | 10,8                       | 110                  | 195                  | 128                  | 10,8                        |
| A1511-11    | 11                         | 110                  | 195                  | 128                  | 11                          |
| A1511-11.5  | 11,5                       | 110                  | 195                  | 128                  | 11,5                        |
| A1511-11.8  | 11,8                       | 110                  | 195                  | 128                  | 11,8                        |
| A1511-12    | 12                         | 120                  | 205                  | 134                  | 12                          |
| A1511-12.5  | 12,5                       | 120                  | 205                  | 134                  | 12,5                        |
| A1511-13    | 13                         | 120                  | 205                  | 134                  | 13                          |
| A1511-13.5  | 13,5                       | 126                  | 214                  | 140                  | 13,5                        |
| A1511-14    | 14                         | 126                  | 214                  | 140                  | 14                          |
| A1511-14.5  | 14,5                       | 129                  | 220                  | 144                  | 14,5                        |
| A1511-15    | 15                         | 129                  | 220                  | 144                  | 15                          |
| A1511-15.5  | 15,5                       | 133                  | 227                  | 149                  | 15,5                        |
| A1511-16    | 16                         | 133                  | 227                  | 149                  | 16                          |
| A1511-17    | 17                         | 137                  | 235                  | 154                  | 17                          |
| A1511-18    | 18                         | 140                  | 241                  | 158                  | 18                          |
| A1511-19    | 19                         | 143                  | 247                  | 162                  | 19                          |
| A1511-20    | 20                         | 146                  | 254                  | 166                  | 20                          |
| A1511-21    | 21                         | 149                  | 261                  | 171                  | 21                          |
| A1511-22    | 22                         | 153                  | 268                  | 176                  | 22                          |

WALTER  
SELECT

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки

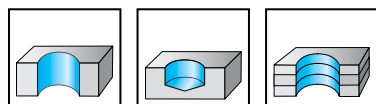
# Свёрла быстрорежущие для обработки глубоких отверстий, большой длины

## A1622

### UFL®



B1



|              |    |   |    |    |   |   |   |
|--------------|----|---|----|----|---|---|---|
|              | P  | M | K  | N  | S | H | O |
| без покрытия | ●● | ● | ●● | ●● | ● |   | ● |

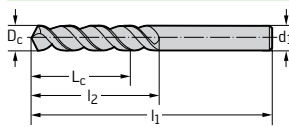
| Инструмент               | Обозначение  | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|--------------------------|--------------|----------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------------|
| <p>Cylindrical shank</p> | A1622-2      | 2                          |                        | 81                   | 125                  | 85                   | 2                           |
|                          | A1622-2.1    | 2,1                        |                        | 81                   | 125                  | 85                   | 2,1                         |
|                          | A1622-2.2    | 2,2                        |                        | 86                   | 135                  | 90                   | 2,2                         |
|                          | A1622-2.3    | 2,3                        |                        | 86                   | 135                  | 90                   | 2,3                         |
|                          | A1622-3/32IN | 2,381                      | 3/32"                  | 91                   | 140                  | 95                   | 2,381                       |
|                          | A1622-2.4    | 2,4                        |                        | 91                   | 140                  | 95                   | 2,4                         |
|                          | A1622-N040   | 2,489                      | No. 40                 | 91                   | 140                  | 95                   | 2,489                       |
|                          | A1622-2.5    | 2,5                        |                        | 91                   | 140                  | 95                   | 2,5                         |
|                          | A1622-N039   | 2,527                      | No. 39                 | 91                   | 140                  | 95                   | 2,527                       |
|                          | A1622-N038   | 2,578                      | No. 38                 | 91                   | 140                  | 95                   | 2,578                       |
|                          | A1622-2.6    | 2,6                        |                        | 91                   | 140                  | 95                   | 2,6                         |
|                          | A1622-N037   | 2,642                      | No. 37                 | 91                   | 140                  | 95                   | 2,642                       |
|                          | A1622-2.7    | 2,7                        |                        | 95                   | 150                  | 100                  | 2,7                         |
|                          | A1622-N036   | 2,705                      | No. 36                 | 95                   | 150                  | 100                  | 2,705                       |
|                          | A1622-7/64IN | 2,778                      | 7/64"                  | 95                   | 150                  | 100                  | 2,778                       |
|                          | A1622-N035   | 2,794                      | No. 35                 | 95                   | 150                  | 100                  | 2,794                       |
|                          | A1622-2.8    | 2,8                        |                        | 95                   | 150                  | 100                  | 2,8                         |
|                          | A1622-N034   | 2,819                      | No. 34                 | 95                   | 150                  | 100                  | 2,819                       |
|                          | A1622-N033   | 2,870                      | No. 33                 | 95                   | 150                  | 100                  | 2,87                        |
|                          | A1622-2.9    | 2,9                        |                        | 95                   | 150                  | 100                  | 2,9                         |
|                          | A1622-N032   | 2,946                      | No. 32                 | 95                   | 150                  | 100                  | 2,946                       |
|                          | A1622-3      | 3                          |                        | 95                   | 150                  | 100                  | 3                           |
|                          | A1622-N031   | 3,048                      | No. 31                 | 99                   | 155                  | 105                  | 3,048                       |
|                          | A1622-3.1    | 3,1                        |                        | 99                   | 155                  | 105                  | 3,1                         |
|                          | A1622-1/8IN  | 3,175                      | 1/8"                   | 99                   | 155                  | 105                  | 3,175                       |
|                          | A1622-3.2    | 3,2                        |                        | 99                   | 155                  | 105                  | 3,2                         |
|                          | A1622-N030   | 3,264                      | No. 30                 | 99                   | 155                  | 105                  | 3,264                       |
|                          | A1622-3.3    | 3,3                        |                        | 99                   | 155                  | 105                  | 3,3                         |
|                          | A1622-3.4    | 3,4                        |                        | 109                  | 165                  | 115                  | 3,4                         |
|                          | A1622-N029   | 3,454                      | No. 29                 | 109                  | 165                  | 115                  | 3,454                       |
|                          | A1622-3.5    | 3,5                        |                        | 109                  | 165                  | 115                  | 3,5                         |
|                          | A1622-N028   | 3,569                      | No. 28                 | 109                  | 165                  | 115                  | 3,569                       |
|                          | A1622-9/64IN | 3,572                      | 9/64"                  | 109                  | 165                  | 115                  | 3,572                       |
|                          | A1622-3.6    | 3,6                        |                        | 109                  | 165                  | 115                  | 3,6                         |
|                          | A1622-N027   | 3,658                      | No. 27                 | 109                  | 165                  | 115                  | 3,658                       |
|                          | A1622-3.7    | 3,7                        |                        | 109                  | 165                  | 115                  | 3,7                         |

●● Основная область применения    ● Возможная область применения

Оптимально подходит для → хороших = 😊 → нормальных = 😐 → неблагоприятных = ☹️ условий обработки



## Инструмент



Cylindrical shank

| Обозначение   | D <sub>c</sub><br>h8<br>мм | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>мм | l <sub>1</sub><br>мм | l <sub>2</sub><br>мм | d <sub>1</sub><br>f11<br>мм |
|---------------|----------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------------|
| A1622-N026    | 3,734                      | No. 26                 | 109                  | 165                  | 115                  | 3,734                       |
| A1622-N025    | 3,797                      | No. 25                 | 113                  | 175                  | 120                  | 3,797                       |
| A1622-3.8     | 3,8                        |                        | 113                  | 175                  | 120                  | 3,8                         |
| A1622-N024    | 3,861                      | No. 24                 | 113                  | 175                  | 120                  | 3,861                       |
| A1622-3.9     | 3,9                        |                        | 113                  | 175                  | 120                  | 3,9                         |
| A1622-N023    | 3,912                      | No. 23                 | 113                  | 175                  | 120                  | 3,912                       |
| A1622-5/32IN  | 3,969                      | 5/32"                  | 113                  | 175                  | 120                  | 3,969                       |
| A1622-N022    | 3,988                      | No. 22                 | 113                  | 175                  | 120                  | 3,988                       |
| A1622-4       | 4                          |                        | 113                  | 175                  | 120                  | 4                           |
| A1622-N021    | 4,039                      | No. 21                 | 113                  | 175                  | 120                  | 4,039                       |
| A1622-N020    | 4,089                      | No. 20                 | 113                  | 175                  | 120                  | 4,089                       |
| A1622-4.1     | 4,1                        |                        | 113                  | 175                  | 120                  | 4,1                         |
| A1622-4.2     | 4,2                        |                        | 113                  | 175                  | 120                  | 4,2                         |
| A1622-N019    | 4,216                      | No. 19                 | 113                  | 175                  | 120                  | 4,216                       |
| A1622-4.3     | 4,3                        |                        | 117                  | 185                  | 125                  | 4,3                         |
| A1622-N018    | 4,305                      | No. 18                 | 117                  | 185                  | 125                  | 4,305                       |
| A1622-11/64IN | 4,366                      | 11/64"                 | 117                  | 185                  | 125                  | 4,366                       |
| A1622-N017    | 4,394                      | No. 17                 | 117                  | 185                  | 125                  | 4,394                       |
| A1622-4.4     | 4,4                        |                        | 117                  | 185                  | 125                  | 4,4                         |
| A1622-N016    | 4,496                      | No. 16                 | 117                  | 185                  | 125                  | 4,496                       |
| A1622-4.5     | 4,5                        |                        | 117                  | 185                  | 125                  | 4,5                         |
| A1622-N015    | 4,572                      | No. 15                 | 117                  | 185                  | 125                  | 4,572                       |
| A1622-4.6     | 4,6                        |                        | 117                  | 185                  | 125                  | 4,6                         |
| A1622-N014    | 4,623                      | No. 14                 | 117                  | 185                  | 125                  | 4,623                       |
| A1622-N013    | 4,699                      | No. 13                 | 117                  | 185                  | 125                  | 4,699                       |
| A1622-4.7     | 4,7                        |                        | 117                  | 185                  | 125                  | 4,7                         |
| A1622-3/16IN  | 4,763                      | 3/16"                  | 127                  | 195                  | 135                  | 4,763                       |
| A1622-4.8     | 4,8                        |                        | 127                  | 195                  | 135                  | 4,8                         |
| A1622-N012    | 4,801                      | No. 12                 | 127                  | 195                  | 135                  | 4,801                       |
| A1622-N011    | 4,851                      | No. 11                 | 127                  | 195                  | 135                  | 4,851                       |
| A1622-4.9     | 4,9                        |                        | 127                  | 195                  | 135                  | 4,9                         |
| A1622-N010    | 4,915                      | No. 10                 | 127                  | 195                  | 135                  | 4,915                       |
| A1622-N09     | 4,978                      | No. 09                 | 127                  | 195                  | 135                  | 4,978                       |
| A1622-5       | 5                          |                        | 127                  | 195                  | 135                  | 5                           |
| A1622-N08     | 5,055                      | No. 08                 | 127                  | 195                  | 135                  | 5,055                       |
| A1622-5.1     | 5,1                        |                        | 127                  | 195                  | 135                  | 5,1                         |
| A1622-N07     | 5,105                      | No. 07                 | 127                  | 195                  | 135                  | 5,105                       |
| A1622-13/64IN | 5,159                      | 13/64"                 | 127                  | 195                  | 135                  | 5,159                       |
| A1622-N06     | 5,182                      | No. 06                 | 127                  | 195                  | 135                  | 5,182                       |
| A1622-5.2     | 5,2                        |                        | 127                  | 195                  | 135                  | 5,2                         |
| A1622-N05     | 5,220                      | No. 05                 | 127                  | 195                  | 135                  | 5,22                        |
| A1622-5.3     | 5,3                        |                        | 127                  | 195                  | 135                  | 5,3                         |
| A1622-N04     | 5,309                      | No. 04                 | 131                  | 205                  | 140                  | 5,309                       |
| A1622-5.4     | 5,4                        |                        | 131                  | 205                  | 140                  | 5,4                         |
| A1622-N03     | 5,410                      | No. 03                 | 131                  | 205                  | 140                  | 5,41                        |
| A1622-5.5     | 5,5                        |                        | 131                  | 205                  | 140                  | 5,5                         |

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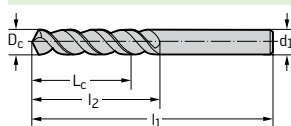
WALTER  
SELECT

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

☺ ☹ ☹ / \* = Новый инструмент

Свёрла быстрорежущие B 417

## Инструмент

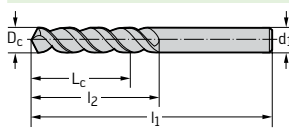


Cylindrical shank

| Обозначение   | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|---------------|----------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------------|
| A1622-7/32IN  | 5,556                      | 7/32"                  | 131                  | 205                  | 140                  | 5,556                       |
| A1622-5.6     | 5,6                        |                        | 131                  | 205                  | 140                  | 5,6                         |
| A1622-N02     | 5,613                      | No. 02                 | 131                  | 205                  | 140                  | 5,613                       |
| A1622-5.7     | 5,7                        |                        | 131                  | 205                  | 140                  | 5,7                         |
| A1622-N01     | 5,791                      | No. 01                 | 131                  | 205                  | 140                  | 5,791                       |
| A1622-5.8     | 5,8                        |                        | 131                  | 205                  | 140                  | 5,8                         |
| A1622-5.9     | 5,9                        |                        | 131                  | 205                  | 140                  | 5,9                         |
| A1622-15/64IN | 5,953                      | 15/64"                 | 131                  | 205                  | 140                  | 5,953                       |
| A1622-6       | 6                          |                        | 131                  | 205                  | 140                  | 6                           |
| A1622-6.1     | 6,1                        |                        | 139                  | 215                  | 150                  | 6,1                         |
| A1622-6.2     | 6,2                        |                        | 139                  | 215                  | 150                  | 6,2                         |
| A1622-6.3     | 6,3                        |                        | 139                  | 215                  | 150                  | 6,3                         |
| A1622-1/4IN   | 6,350                      | 1/4"                   | 139                  | 215                  | 150                  | 6,35                        |
| A1622-6.4     | 6,4                        |                        | 139                  | 215                  | 150                  | 6,4                         |
| A1622-6.5     | 6,5                        |                        | 139                  | 215                  | 150                  | 6,5                         |
| A1622-6.6     | 6,6                        |                        | 139                  | 215                  | 150                  | 6,6                         |
| A1622-6.7     | 6,7                        |                        | 139                  | 215                  | 150                  | 6,7                         |
| A1622-17/64IN | 6,747                      | 17/64"                 | 143                  | 225                  | 155                  | 6,747                       |
| A1622-6.8     | 6,8                        |                        | 143                  | 225                  | 155                  | 6,8                         |
| A1622-6.9     | 6,9                        |                        | 143                  | 225                  | 155                  | 6,9                         |
| A1622-7       | 7                          |                        | 143                  | 225                  | 155                  | 7                           |
| A1622-7.1     | 7,1                        |                        | 143                  | 225                  | 155                  | 7,1                         |
| A1622-9/32IN  | 7,144                      | 9/32"                  | 143                  | 225                  | 155                  | 7,144                       |
| A1622-7.2     | 7,2                        |                        | 143                  | 225                  | 155                  | 7,2                         |
| A1622-7.3     | 7,3                        |                        | 143                  | 225                  | 155                  | 7,3                         |
| A1622-7.4     | 7,4                        |                        | 143                  | 225                  | 155                  | 7,4                         |
| A1622-7.5     | 7,5                        |                        | 143                  | 225                  | 155                  | 7,5                         |
| A1622-19/64IN | 7,541                      | 19/64"                 | 152                  | 240                  | 165                  | 7,541                       |
| A1622-7.6     | 7,6                        |                        | 152                  | 240                  | 165                  | 7,6                         |
| A1622-7.7     | 7,7                        |                        | 152                  | 240                  | 165                  | 7,7                         |
| A1622-7.8     | 7,8                        |                        | 152                  | 240                  | 165                  | 7,8                         |
| A1622-7.9     | 7,9                        |                        | 152                  | 240                  | 165                  | 7,9                         |
| A1622-5/16IN  | 7,938                      | 5/16"                  | 152                  | 240                  | 165                  | 7,938                       |
| A1622-8       | 8                          |                        | 152                  | 240                  | 165                  | 8                           |
| A1622-8.1     | 8,1                        |                        | 152                  | 240                  | 165                  | 8,1                         |
| A1622-8.2     | 8,2                        |                        | 152                  | 240                  | 165                  | 8,2                         |
| A1622-8.3     | 8,3                        |                        | 152                  | 240                  | 165                  | 8,3                         |
| A1622-21/64IN | 8,334                      | 21/64"                 | 152                  | 240                  | 165                  | 8,334                       |
| A1622-8.4     | 8,4                        |                        | 152                  | 240                  | 165                  | 8,4                         |
| A1622-8.5     | 8,5                        |                        | 152                  | 240                  | 165                  | 8,5                         |
| A1622-8.6     | 8,6                        |                        | 160                  | 250                  | 175                  | 8,6                         |
| A1622-8.7     | 8,7                        |                        | 160                  | 250                  | 175                  | 8,7                         |
| A1622-11/32IN | 8,731                      | 11/32"                 | 160                  | 250                  | 175                  | 8,731                       |
| A1622-8.8     | 8,8                        |                        | 160                  | 250                  | 175                  | 8,8                         |
| A1622-8.9     | 8,9                        |                        | 160                  | 250                  | 175                  | 8,9                         |
| A1622-9       | 9                          |                        | 160                  | 250                  | 175                  | 9                           |

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## Инструмент



Cylindrical shank

| Обозначение   | D <sub>c</sub><br>h8<br>мм | D <sub>c</sub> Inch/Nr | L <sub>c</sub><br>мм | l <sub>1</sub><br>мм | l <sub>2</sub><br>мм | d <sub>1</sub><br>f11<br>мм |
|---------------|----------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------------|
| A1622-9.1     | 9,1                        |                        | 160                  | 250                  | 175                  | 9,1                         |
| A1622-23/64IN | 9,128                      | 23/64"                 | 160                  | 250                  | 175                  | 9,128                       |
| A1622-9.2     | 9,2                        |                        | 160                  | 250                  | 175                  | 9,2                         |
| A1622-9.3     | 9,3                        |                        | 160                  | 250                  | 175                  | 9,3                         |
| A1622-9.4     | 9,4                        |                        | 160                  | 250                  | 175                  | 9,4                         |
| A1622-9.5     | 9,5                        |                        | 160                  | 250                  | 175                  | 9,5                         |
| A1622-3/8IN   | 9,525                      | 3/8"                   | 169                  | 265                  | 185                  | 9,525                       |
| A1622-9.6     | 9,6                        |                        | 169                  | 265                  | 185                  | 9,6                         |
| A1622-9.7     | 9,7                        |                        | 169                  | 265                  | 185                  | 9,7                         |
| A1622-9.8     | 9,8                        |                        | 169                  | 265                  | 185                  | 9,8                         |
| A1622-9.9     | 9,9                        |                        | 169                  | 265                  | 185                  | 9,9                         |
| A1622-25/64IN | 9,922                      | 25/64"                 | 169                  | 265                  | 185                  | 9,922                       |
| A1622-10      | 10                         |                        | 169                  | 265                  | 185                  | 10                          |
| A1622-13/32IN | 10,319                     | 13/32"                 | 169                  | 265                  | 185                  | 10,319                      |
| A1622-10.5    | 10,5                       |                        | 169                  | 265                  | 185                  | 10,5                        |
| A1622-27/64IN | 10,716                     | 27/64"                 | 177                  | 280                  | 195                  | 10,716                      |
| A1622-11      | 11                         |                        | 177                  | 280                  | 195                  | 11                          |
| A1622-7/16IN  | 11,113                     | 7/16"                  | 177                  | 280                  | 195                  | 11,113                      |
| A1622-11.5    | 11,5                       |                        | 177                  | 280                  | 195                  | 11,5                        |
| A1622-29/64IN | 11,509                     | 29/64"                 | 177                  | 280                  | 195                  | 11,509                      |
| A1622-15/32IN | 11,906                     | 15/32"                 | 191                  | 295                  | 205                  | 11,906                      |
| A1622-12      | 12                         |                        | 191                  | 295                  | 205                  | 12                          |
| A1622-31/64IN | 12,303                     | 31/64"                 | 191                  | 295                  | 205                  | 12,303                      |
| A1622-1/2IN   | 12,700                     | 1/2"                   | 191                  | 295                  | 205                  | 12,7                        |

B1

WALTER  
SELECT

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

☺ ☹ ☹ / \* = Новый инструмент

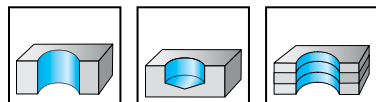
Свёрла быстрорежущие В 419

# Свёрла быстрорежущие для обработки глубоких отверстий, большой длины

## A1722

### UFL®

B1



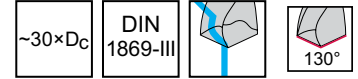
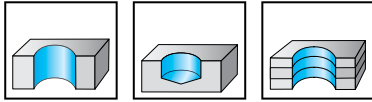
|              |    |   |    |    |   |   |   |
|--------------|----|---|----|----|---|---|---|
|              | P  | M | K  | N  | S | H | O |
| без покрытия | ●● | ● | ●● | ●● | ● |   | ● |

| Инструмент               | Обозначение | D <sub>c</sub><br>h8<br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|--------------------------|-------------|----------------------------|----------------------|----------------------|----------------------|-----------------------------|
| <p>Cylindrical shank</p> | A1722-3     | 3                          | 125                  | 190                  | 130                  | 3                           |
|                          | A1722-3.5   | 3,5                        | 139                  | 210                  | 145                  | 3,5                         |
|                          | A1722-4     | 4                          | 143                  | 220                  | 150                  | 4                           |
|                          | A1722-4.5   | 4,5                        | 152                  | 235                  | 160                  | 4,5                         |
|                          | A1722-5     | 5                          | 162                  | 245                  | 170                  | 5                           |
|                          | A1722-5.5   | 5,5                        | 171                  | 260                  | 180                  | 5,5                         |
|                          | A1722-6     | 6                          | 171                  | 260                  | 180                  | 6                           |
|                          | A1722-6.5   | 6,5                        | 179                  | 275                  | 190                  | 6,5                         |
|                          | A1722-7     | 7                          | 188                  | 290                  | 200                  | 7                           |
|                          | A1722-7.5   | 7,5                        | 188                  | 290                  | 200                  | 7,5                         |
|                          | A1722-8     | 8                          | 197                  | 305                  | 210                  | 8                           |
|                          | A1722-8.5   | 8,5                        | 197                  | 305                  | 210                  | 8,5                         |
|                          | A1722-9     | 9                          | 205                  | 320                  | 220                  | 9                           |
|                          | A1722-9.5   | 9,5                        | 205                  | 320                  | 220                  | 9,5                         |
|                          | A1722-10    | 10                         | 219                  | 340                  | 235                  | 10                          |
|                          | A1722-10.5  | 10,5                       | 219                  | 340                  | 235                  | 10,5                        |
| A1722-11                 | 11          | 232                        | 360                  | 250                  | 11                   |                             |
| A1722-11.5               | 11,5        | 232                        | 360                  | 250                  | 11,5                 |                             |
| A1722-12                 | 12          | 246                        | 380                  | 380                  | 260                  | 12                          |

# Свёрла быстрорежущие для обработки глубоких отверстий, большой длины

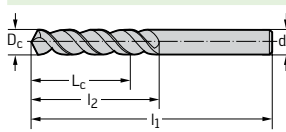
## A1822

### UFL®



|              |    |   |    |    |   |   |   |
|--------------|----|---|----|----|---|---|---|
|              | P  | M | K  | N  | S | H | O |
| без покрытия | ●● | ● | ●● | ●● | ● |   | ● |

### Инструмент



Cylindrical shank

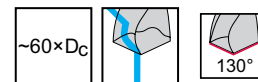
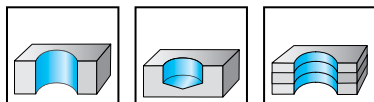
| Обозначение | D <sub>c</sub><br>h8<br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|-------------|----------------------------|----------------------|----------------------|----------------------|-----------------------------|
| A1822-3.5   | 3,5                        | 174                  | 265                  | 180                  | 3,5                         |
| A1822-4     | 4                          | 183                  | 280                  | 190                  | 4                           |
| A1822-4.5   | 4,5                        | 192                  | 295                  | 200                  | 4,5                         |
| A1822-5     | 5                          | 202                  | 315                  | 210                  | 5                           |
| A1822-5.5   | 5,5                        | 216                  | 330                  | 225                  | 5,5                         |
| A1822-6     | 6                          | 216                  | 330                  | 225                  | 6                           |
| A1822-6.5   | 6,5                        | 224                  | 350                  | 235                  | 6,5                         |
| A1822-7     | 7                          | 238                  | 370                  | 250                  | 7                           |
| A1822-7.5   | 7,5                        | 238                  | 370                  | 250                  | 7,5                         |
| A1822-8     | 8                          | 252                  | 390                  | 265                  | 8                           |
| A1822-8.5   | 8,5                        | 252                  | 390                  | 265                  | 8,5                         |
| A1822-9     | 9                          | 265                  | 410                  | 280                  | 9                           |
| A1822-9.5   | 9,5                        | 265                  | 410                  | 280                  | 9,5                         |
| A1822-10    | 10                         | 279                  | 430                  | 295                  | 10                          |
| A1822-10.5  | 10,5                       | 279                  | 430                  | 295                  | 10,5                        |
| A1822-11    | 11                         | 287                  | 450                  | 305                  | 11                          |
| A1822-11.5  | 11,5                       | 287                  | 450                  | 305                  | 11,5                        |
| A1822-12    | 12                         | 291                  | 480                  | 305                  | 12                          |

**WALTER  
SELECT**

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = 😊 → нормальных = 😐 → неблагоприятных = ☹️ условий обработки

# Свёрла быстрорежущие для обработки глубоких отверстий, сверхдлинные A1922S UFL®

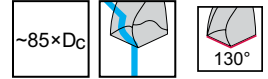
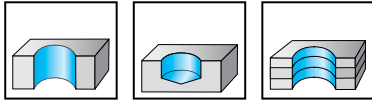
B1



|              |    |   |    |    |   |   |   |
|--------------|----|---|----|----|---|---|---|
|              | P  | M | K  | N  | S | H | O |
| без покрытия | ●● | ● | ●● | ●● | ● |   | ● |

| Инструмент               |             | D <sub>c</sub><br>h8<br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|--------------------------|-------------|----------------------------|----------------------|----------------------|----------------------|-----------------------------|
| <p>Cylindrical shank</p> | Обозначение |                            |                      |                      |                      |                             |
|                          | A1922S-6    | 6                          | 389                  | 500                  | 400                  | 6                           |
|                          | A1922S-6.5  | 6,5                        | 389                  | 500                  | 400                  | 6,5                         |
|                          | A1922S-7    | 7                          | 389                  | 500                  | 400                  | 7                           |
|                          | A1922S-8    | 8                          | 536                  | 650                  | 550                  | 8                           |
|                          | A1922S-9    | 9                          | 536                  | 650                  | 550                  | 9                           |
|                          | A1922S-10   | 10                         | 680                  | 800                  | 700                  | 10                          |
|                          | A1922S-11   | 11                         | 680                  | 800                  | 700                  | 11                          |
|                          | A1922S-12   | 12                         | 680                  | 800                  | 700                  | 12                          |
|                          | A1922S-13   | 13                         | 680                  | 800                  | 700                  | 13                          |
|                          | A1922S-14   | 14                         | 680                  | 800                  | 700                  | 14                          |

# Свёрла быстрорежущие для обработки глубоких отверстий, сверхдлинные A1922L UFL®



|              |    |   |    |    |   |   |   |
|--------------|----|---|----|----|---|---|---|
|              | P  | M | K  | N  | S | H | O |
| без покрытия | ●● | ● | ●● | ●● | ● |   | ● |

## Инструмент

|  | Обозначение | D <sub>c</sub><br>h8<br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|--|-------------|----------------------------|----------------------|----------------------|----------------------|-----------------------------|
|  | A1922L-8    | 8                          | 685                  | 800                  | 700                  | 8                           |
|  | A1922L-10   | 10                         | 769                  | 1.000                | 800                  | 10                          |
|  | A1922L-12   | 12                         | 769                  | 1.000                | 800                  | 12                          |

Cylindrical shank

B1

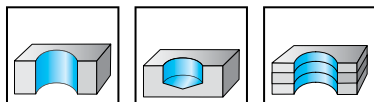
# Свёрла спиральные HSS-E с коническим хвостовиком

## A4244

### VA

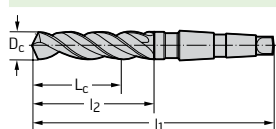


B1



|              |   |    |   |   |    |   |   |
|--------------|---|----|---|---|----|---|---|
|              | P | M  | K | N | S  | H | O |
| без покрытия | ● | ●● | ● | ● | ●● | ● | ● |

### Инструмент



Morse taper

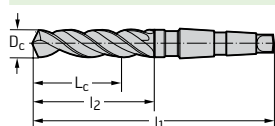
| Обозначение | D <sub>c</sub><br>h8<br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | MK    |
|-------------|----------------------------|----------------------|----------------------|----------------------|-------|
| A4244-10    | 10                         | 71                   | 168                  | 87                   | MK1 B |
| A4244-10.2  | 10,2                       | 71                   | 168                  | 87                   | MK1 B |
| A4244-10.5  | 10,5                       | 71                   | 168                  | 87                   | MK1 B |
| A4244-10.8  | 10,8                       | 76                   | 175                  | 94                   | MK1 B |
| A4244-11    | 11                         | 76                   | 175                  | 94                   | MK1 B |
| A4244-11.2  | 11,2                       | 76                   | 175                  | 94                   | MK1 B |
| A4244-11.5  | 11,5                       | 76                   | 175                  | 94                   | MK1 B |
| A4244-11.8  | 11,8                       | 76                   | 175                  | 94                   | MK1 B |
| A4244-12    | 12                         | 87                   | 182                  | 101                  | MK1 B |
| A4244-12.2  | 12,2                       | 87                   | 182                  | 101                  | MK1 B |
| A4244-12.5  | 12,5                       | 87                   | 182                  | 101                  | MK1 B |
| A4244-12.8  | 12,8                       | 87                   | 182                  | 101                  | MK1 B |
| A4244-13    | 13                         | 87                   | 182                  | 101                  | MK1 B |
| A4244-13.5  | 13,5                       | 94                   | 189                  | 108                  | MK1 B |
| A4244-13.8  | 13,8                       | 94                   | 189                  | 108                  | MK1 B |
| A4244-14    | 14                         | 94                   | 189                  | 108                  | MK1 B |
| A4244-14.25 | 14,25                      | 99                   | 212                  | 114                  | MK2 B |
| A4244-14.5  | 14,5                       | 99                   | 212                  | 114                  | MK2 B |
| A4244-14.75 | 14,75                      | 99                   | 212                  | 114                  | MK2 B |
| A4244-15    | 15                         | 99                   | 212                  | 114                  | MK2 B |
| A4244-15.25 | 15,25                      | 104                  | 218                  | 120                  | MK2 B |
| A4244-15.5  | 15,5                       | 104                  | 218                  | 120                  | MK2 B |
| A4244-15.75 | 15,75                      | 104                  | 218                  | 120                  | MK2 B |
| A4244-16    | 16                         | 104                  | 218                  | 120                  | MK2 B |
| A4244-16.5  | 16,5                       | 108                  | 223                  | 125                  | MK2 B |
| A4244-16.75 | 16,75                      | 108                  | 223                  | 125                  | MK2 B |
| A4244-17    | 17                         | 108                  | 223                  | 125                  | MK2 B |
| A4244-17.25 | 17,25                      | 112                  | 228                  | 130                  | MK2 B |
| A4244-17.5  | 17,5                       | 112                  | 228                  | 130                  | MK2 B |
| A4244-17.75 | 17,75                      | 112                  | 228                  | 130                  | MK2 B |
| A4244-18    | 18                         | 112                  | 228                  | 130                  | MK2 B |
| A4244-18.25 | 18,25                      | 116                  | 233                  | 135                  | MK2 B |
| A4244-18.5  | 18,5                       | 116                  | 233                  | 135                  | MK2 B |
| A4244-18.75 | 18,75                      | 116                  | 233                  | 135                  | MK2 B |
| A4244-19    | 19                         | 116                  | 233                  | 135                  | MK2 B |
| A4244-19.25 | 19,25                      | 120                  | 238                  | 140                  | MK2 B |

**WALTER  
SELECT**

●● Основная область применения   
 ● Возможная область применения  
 Оптимально подходит для → хороших = 😊 → нормальных = 😐 → неблагоприятных = ☹️ условий обработки



## Инструмент



Morse taper

| Обозначение | D <sub>c</sub><br>h8<br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | МК    |
|-------------|----------------------------|----------------------|----------------------|----------------------|-------|
| A4244-19.5  | 19,5                       | 120                  | 238                  | 140                  | МК2 В |
| A4244-19.75 | 19,75                      | 120                  | 238                  | 140                  | МК2 В |
| A4244-20    | 20                         | 120                  | 238                  | 140                  | МК2 В |
| A4244-20.25 | 20,25                      | 123                  | 243                  | 145                  | МК2 В |
| A4244-20.5  | 20,5                       | 123                  | 243                  | 145                  | МК2 В |
| A4244-20.75 | 20,75                      | 123                  | 243                  | 145                  | МК2 В |
| A4244-21    | 21                         | 123                  | 243                  | 145                  | МК2 В |
| A4244-21.25 | 21,25                      | 127                  | 248                  | 150                  | МК2 В |
| A4244-21.5  | 21,5                       | 127                  | 248                  | 150                  | МК2 В |
| A4244-22    | 22                         | 127                  | 248                  | 150                  | МК2 В |
| A4244-22.25 | 22,25                      | 127                  | 248                  | 150                  | МК2 В |
| A4244-22.5  | 22,5                       | 131                  | 253                  | 155                  | МК2 В |
| A4244-22.75 | 22,75                      | 131                  | 253                  | 155                  | МК2 В |
| A4244-23    | 23                         | 131                  | 253                  | 155                  | МК2 В |
| A4244-23.5  | 23,5                       | 131                  | 276                  | 155                  | МК3 В |
| A4244-24    | 24                         | 135                  | 281                  | 160                  | МК3 В |
| A4244-24.5  | 24,5                       | 135                  | 281                  | 160                  | МК3 В |
| A4244-25    | 25                         | 135                  | 281                  | 160                  | МК3 В |
| A4244-25.5  | 25,5                       | 138                  | 286                  | 165                  | МК3 В |
| A4244-26    | 26                         | 138                  | 286                  | 165                  | МК3 В |
| A4244-26.5  | 26,5                       | 138                  | 286                  | 165                  | МК3 В |
| A4244-27    | 27                         | 142                  | 291                  | 170                  | МК3 В |
| A4244-28    | 28                         | 142                  | 291                  | 170                  | МК3 В |
| A4244-29    | 29                         | 145                  | 296                  | 175                  | МК3 В |
| A4244-29.5  | 29,5                       | 145                  | 296                  | 175                  | МК3 В |
| A4244-30    | 30                         | 145                  | 296                  | 175                  | МК3 В |
| A4244-30.5  | 30,5                       | 148                  | 301                  | 180                  | МК3 В |
| A4244-31    | 31                         | 148                  | 301                  | 180                  | МК3 В |
| A4244-31.5  | 31,5                       | 148                  | 301                  | 180                  | МК3 В |
| A4244-32    | 32                         | 151                  | 334                  | 185                  | МК4 В |

B1

WALTER  
SELECT

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки

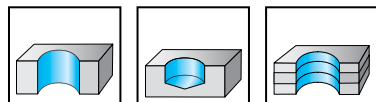
# Свёрла спиральные HSS-E с коническим хвостовиком

## A4247

### Alpha® XE



– Нач. с 23,02 мм – без покрытия



|              |    |    |    |    |    |   |   |
|--------------|----|----|----|----|----|---|---|
|              | P  | M  | K  | N  | S  | H | O |
| без покрытия | ●● | ●● | ●● | ●● | ●● |   | ● |

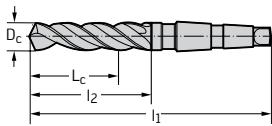
B1

| Инструмент         |             | D <sub>c</sub><br>h8<br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | МК    |
|--------------------|-------------|----------------------------|----------------------|----------------------|----------------------|-------|
| <p>Morse taper</p> | A4247-10    | 10                         | 71                   | 168                  | 87                   | МК1 В |
|                    | A4247-10.2  | 10,2                       | 71                   | 168                  | 87                   | МК1 В |
|                    | A4247-10.5  | 10,5                       | 71                   | 168                  | 87                   | МК1 В |
|                    | A4247-10.8  | 10,8                       | 76                   | 175                  | 94                   | МК1 В |
|                    | A4247-11    | 11                         | 76                   | 175                  | 94                   | МК1 В |
|                    | A4247-11.5  | 11,5                       | 76                   | 175                  | 94                   | МК1 В |
|                    | A4247-11.8  | 11,8                       | 76                   | 175                  | 94                   | МК1 В |
|                    | A4247-12    | 12                         | 87                   | 182                  | 101                  | МК1 В |
|                    | A4247-12.2  | 12,2                       | 87                   | 182                  | 101                  | МК1 В |
|                    | A4247-12.5  | 12,5                       | 87                   | 182                  | 101                  | МК1 В |
|                    | A4247-12.8  | 12,8                       | 87                   | 182                  | 101                  | МК1 В |
|                    | A4247-13    | 13                         | 87                   | 182                  | 101                  | МК1 В |
|                    | A4247-13.2  | 13,2                       | 87                   | 182                  | 101                  | МК1 В |
|                    | A4247-13.5  | 13,5                       | 94                   | 189                  | 108                  | МК1 В |
|                    | A4247-13.8  | 13,8                       | 94                   | 189                  | 108                  | МК1 В |
|                    | A4247-14    | 14                         | 94                   | 189                  | 108                  | МК1 В |
|                    | A4247-14.25 | 14,25                      | 99                   | 212                  | 114                  | МК2 В |
|                    | A4247-14.5  | 14,5                       | 99                   | 212                  | 114                  | МК2 В |
|                    | A4247-14.75 | 14,75                      | 99                   | 212                  | 114                  | МК2 В |
|                    | A4247-15    | 15                         | 99                   | 212                  | 114                  | МК2 В |
| A4247-15.25        | 15,25       | 104                        | 218                  | 120                  | МК2 В                |       |
| A4247-15.5         | 15,5        | 104                        | 218                  | 120                  | МК2 В                |       |
| A4247-15.75        | 15,75       | 104                        | 218                  | 120                  | МК2 В                |       |
| A4247-16           | 16          | 104                        | 218                  | 120                  | МК2 В                |       |
| A4247-16.25        | 16,25       | 108                        | 223                  | 125                  | МК2 В                |       |
| A4247-16.5         | 16,5        | 108                        | 223                  | 125                  | МК2 В                |       |
| A4247-16.75        | 16,75       | 108                        | 223                  | 125                  | МК2 В                |       |
| A4247-17           | 17          | 108                        | 223                  | 125                  | МК2 В                |       |
| A4247-17.25        | 17,25       | 112                        | 228                  | 130                  | МК2 В                |       |
| A4247-17.5         | 17,5        | 112                        | 228                  | 130                  | МК2 В                |       |
| A4247-17.75        | 17,75       | 112                        | 228                  | 130                  | МК2 В                |       |
| A4247-18           | 18          | 112                        | 228                  | 130                  | МК2 В                |       |
| A4247-18.25        | 18,25       | 116                        | 233                  | 135                  | МК2 В                |       |
| A4247-18.5         | 18,5        | 116                        | 233                  | 135                  | МК2 В                |       |
| A4247-18.75        | 18,75       | 116                        | 233                  | 135                  | МК2 В                |       |
| A4247-19           | 19          | 116                        | 233                  | 135                  | МК2 В                |       |

**WALTER  
SELECT**

●● Основная область применения   
 ● Возможная область применения  
 Оптимально подходит для → хороших = 😊 → нормальных = 😐 → неблагоприятных = ☹️ условий обработки

## Инструмент



Morse taper

| Обозначение | D <sub>c</sub><br>h8<br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | МК    |
|-------------|----------------------------|----------------------|----------------------|----------------------|-------|
| A4247-19.25 | 19,25                      | 120                  | 238                  | 140                  | MK2 B |
| A4247-19.5  | 19,5                       | 120                  | 238                  | 140                  | MK2 B |
| A4247-19.75 | 19,75                      | 120                  | 238                  | 140                  | MK2 B |
| A4247-20    | 20                         | 120                  | 238                  | 140                  | MK2 B |
| A4247-20.25 | 20,25                      | 123                  | 243                  | 145                  | MK2 B |
| A4247-20.5  | 20,5                       | 123                  | 243                  | 145                  | MK2 B |
| A4247-20.75 | 20,75                      | 123                  | 243                  | 145                  | MK2 B |
| A4247-21    | 21                         | 123                  | 243                  | 145                  | MK2 B |
| A4247-21.25 | 21,25                      | 127                  | 248                  | 150                  | MK2 B |
| A4247-21.5  | 21,5                       | 127                  | 248                  | 150                  | MK2 B |
| A4247-21.75 | 21,75                      | 127                  | 248                  | 150                  | MK2 B |
| A4247-22    | 22                         | 127                  | 248                  | 150                  | MK2 B |
| A4247-22.25 | 22,25                      | 127                  | 248                  | 150                  | MK2 B |
| A4247-22.5  | 22,5                       | 131                  | 253                  | 155                  | MK2 B |
| A4247-22.75 | 22,75                      | 131                  | 253                  | 155                  | MK2 B |
| A4247-23    | 23                         | 131                  | 253                  | 155                  | MK2 B |
| A4247-23.5  | 23,5                       | 131                  | 276                  | 155                  | MK3 B |
| A4247-24    | 24                         | 135                  | 281                  | 160                  | MK3 B |
| A4247-24.5  | 24,5                       | 135                  | 281                  | 160                  | MK3 B |
| A4247-25    | 25                         | 135                  | 281                  | 160                  | MK3 B |
| A4247-25.5  | 25,5                       | 138                  | 286                  | 165                  | MK3 B |
| A4247-26    | 26                         | 138                  | 286                  | 165                  | MK3 B |
| A4247-26.5  | 26,5                       | 138                  | 286                  | 165                  | MK3 B |
| A4247-27    | 27                         | 142                  | 291                  | 170                  | MK3 B |
| A4247-27.5  | 27,5                       | 142                  | 291                  | 170                  | MK3 B |
| A4247-28    | 28                         | 142                  | 291                  | 170                  | MK3 B |
| A4247-28.5  | 28,5                       | 145                  | 296                  | 175                  | MK3 B |
| A4247-29    | 29                         | 145                  | 296                  | 175                  | MK3 B |
| A4247-29.5  | 29,5                       | 145                  | 296                  | 175                  | MK3 B |
| A4247-30    | 30                         | 145                  | 296                  | 175                  | MK3 B |
| A4247-30.5  | 30,5                       | 148                  | 301                  | 180                  | MK3 B |
| A4247-31    | 31                         | 148                  | 301                  | 180                  | MK3 B |
| A4247-31.5  | 31,5                       | 148                  | 301                  | 180                  | MK3 B |
| A4247-32    | 32                         | 151                  | 334                  | 185                  | MK4 B |
| A4247-32.5  | 32,5                       | 151                  | 334                  | 185                  | MK4 B |
| A4247-33    | 33                         | 151                  | 334                  | 185                  | MK4 B |
| A4247-34    | 34                         | 154                  | 339                  | 190                  | MK4 B |
| A4247-35    | 35                         | 154                  | 339                  | 190                  | MK4 B |
| A4247-36    | 36                         | 157                  | 344                  | 195                  | MK4 B |
| A4247-37    | 37                         | 157                  | 344                  | 195                  | MK4 B |
| A4247-38    | 38                         | 160                  | 349                  | 200                  | MK4 B |
| A4247-39    | 39                         | 160                  | 349                  | 200                  | MK4 B |
| A4247-40    | 40                         | 160                  | 349                  | 200                  | MK4 B |

B1

WALTER  
SELECT

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

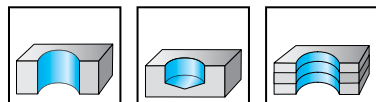
# Свёрла спиральные быстрорежущие с коническим хвостовиком, средняя серия

## A4422

### UFL®



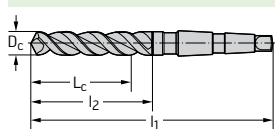
– Нач. с 23,02 мм – без покрытия



|              |    |   |    |    |   |   |   |
|--------------|----|---|----|----|---|---|---|
|              | P  | M | K  | N  | S | H | O |
| без покрытия | ●● | ● | ●● | ●● | ● |   | ● |

B1

### Инструмент



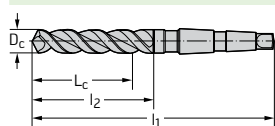
Morse taper

| Обозначение | D <sub>c</sub><br>h8<br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | MK    |
|-------------|----------------------------|----------------------|----------------------|----------------------|-------|
| A4422-10    | 10                         | 100                  | 197                  | 116                  | MK1 B |
| A4422-10.2  | 10,2                       | 100                  | 197                  | 116                  | MK1 B |
| A4422-10.5  | 10,5                       | 100                  | 197                  | 116                  | MK1 B |
| A4422-10.8  | 10,8                       | 107                  | 206                  | 125                  | MK1 B |
| A4422-11    | 11                         | 107                  | 206                  | 125                  | MK1 B |
| A4422-11.5  | 11,5                       | 107                  | 206                  | 125                  | MK1 B |
| A4422-11.8  | 11,8                       | 107                  | 206                  | 125                  | MK1 B |
| A4422-12    | 12                         | 120                  | 215                  | 134                  | MK1 B |
| A4422-12.2  | 12,2                       | 120                  | 215                  | 134                  | MK1 B |
| A4422-12.5  | 12,5                       | 120                  | 215                  | 134                  | MK1 B |
| A4422-12.8  | 12,8                       | 120                  | 215                  | 134                  | MK1 B |
| A4422-13    | 13                         | 120                  | 215                  | 134                  | MK1 B |
| A4422-13.2  | 13,2                       | 120                  | 215                  | 134                  | MK1 B |
| A4422-13.5  | 13,5                       | 128                  | 223                  | 142                  | MK1 B |
| A4422-13.8  | 13,8                       | 128                  | 223                  | 142                  | MK1 B |
| A4422-14    | 14                         | 128                  | 223                  | 142                  | MK1 B |
| A4422-14.25 | 14,25                      | 132                  | 245                  | 147                  | MK2 B |
| A4422-14.5  | 14,5                       | 132                  | 245                  | 147                  | MK2 B |
| A4422-14.75 | 14,75                      | 132                  | 245                  | 147                  | MK2 B |
| A4422-15    | 15                         | 132                  | 245                  | 147                  | MK2 B |
| A4422-15.25 | 15,25                      | 137                  | 251                  | 153                  | MK2 B |
| A4422-15.5  | 15,5                       | 137                  | 251                  | 153                  | MK2 B |
| A4422-15.75 | 15,75                      | 137                  | 251                  | 153                  | MK2 B |
| A4422-16    | 16                         | 137                  | 251                  | 153                  | MK2 B |
| A4422-16.5  | 16,5                       | 142                  | 257                  | 159                  | MK2 B |
| A4422-16.75 | 16,75                      | 142                  | 257                  | 159                  | MK2 B |
| A4422-17    | 17                         | 142                  | 257                  | 159                  | MK2 B |
| A4422-17.5  | 17,5                       | 147                  | 263                  | 165                  | MK2 B |
| A4422-17.75 | 17,75                      | 147                  | 263                  | 165                  | MK2 B |
| A4422-18    | 18                         | 147                  | 263                  | 165                  | MK2 B |
| A4422-18.25 | 18,25                      | 152                  | 269                  | 171                  | MK2 B |
| A4422-18.5  | 18,5                       | 152                  | 269                  | 171                  | MK2 B |
| A4422-18.75 | 18,75                      | 152                  | 269                  | 171                  | MK2 B |
| A4422-19    | 19                         | 152                  | 269                  | 171                  | MK2 B |
| A4422-19.25 | 19,25                      | 157                  | 275                  | 177                  | MK2 B |
| A4422-19.5  | 19,5                       | 157                  | 275                  | 177                  | MK2 B |

**WALTER  
SELECT**

 ●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = 😊 → нормальных = 😐 → неблагоприятных = ☹️ условий обработки

## Инструмент



Morse taper

| Обозначение | D <sub>c</sub><br>h8<br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | МК    |
|-------------|----------------------------|----------------------|----------------------|----------------------|-------|
| A4422-19.75 | 19,75                      | 157                  | 275                  | 177                  | МК2 В |
| A4422-20    | 20                         | 157                  | 275                  | 177                  | МК2 В |
| A4422-20.5  | 20,5                       | 162                  | 282                  | 184                  | МК2 В |
| A4422-21    | 21                         | 162                  | 282                  | 184                  | МК2 В |
| A4422-21.5  | 21,5                       | 168                  | 289                  | 191                  | МК2 В |
| A4422-22    | 22                         | 168                  | 289                  | 191                  | МК2 В |
| A4422-22.5  | 22,5                       | 174                  | 296                  | 198                  | МК2 В |
| A4422-23    | 23                         | 174                  | 296                  | 198                  | МК2 В |
| A4422-23.5  | 23,5                       | 174                  | 319                  | 198                  | МК3 В |
| A4422-24    | 24                         | 181                  | 327                  | 206                  | МК3 В |
| A4422-24.5  | 24,5                       | 181                  | 327                  | 206                  | МК3 В |
| A4422-25    | 25                         | 181                  | 327                  | 206                  | МК3 В |
| A4422-26    | 26                         | 187                  | 335                  | 214                  | МК3 В |
| A4422-27    | 27                         | 194                  | 343                  | 222                  | МК3 В |
| A4422-28    | 28                         | 194                  | 343                  | 222                  | МК3 В |
| A4422-29    | 29                         | 200                  | 351                  | 230                  | МК3 В |
| A4422-30    | 30                         | 200                  | 351                  | 230                  | МК3 В |
| A4422-31    | 31                         | 207                  | 360                  | 239                  | МК3 В |

B1

WALTER  
SELECT

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки

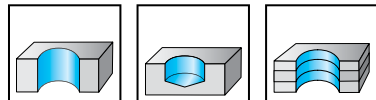
# Свёрла быстрорежущие с коническим хвостовиком, большой длины

## A4622

### UFL®



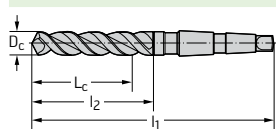
– Нач. с 23,02 мм – без покрытия



|              |    |   |    |    |   |   |   |
|--------------|----|---|----|----|---|---|---|
|              | P  | M | K  | N  | S | H | O |
| без покрытия | ●● | ● | ●● | ●● | ● |   | ● |

B1

### Инструмент



Morse taper

| Обозначение | D <sub>c</sub><br>h8<br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | MK    |
|-------------|----------------------------|----------------------|----------------------|----------------------|-------|
| A4622-12    | 12                         | 191                  | 310                  | 205                  | MK1 B |
| A4622-12.5  | 12,5                       | 191                  | 310                  | 205                  | MK1 B |
| A4622-13    | 13                         | 191                  | 310                  | 205                  | MK1 B |
| A4622-13.5  | 13,5                       | 206                  | 325                  | 220                  | MK1 B |
| A4622-14    | 14                         | 206                  | 325                  | 220                  | MK1 B |
| A4622-14.5  | 14,5                       | 205                  | 340                  | 220                  | MK2 B |
| A4622-15    | 15                         | 205                  | 340                  | 220                  | MK2 B |
| A4622-15.5  | 15,5                       | 214                  | 355                  | 230                  | MK2 B |
| A4622-16    | 16                         | 214                  | 355                  | 230                  | MK2 B |
| A4622-16.5  | 16,5                       | 213                  | 355                  | 230                  | MK2 B |
| A4622-17    | 17                         | 213                  | 355                  | 230                  | MK2 B |
| A4622-17.5  | 17,5                       | 227                  | 370                  | 245                  | MK2 B |
| A4622-18    | 18                         | 227                  | 370                  | 245                  | MK2 B |
| A4622-18.5  | 18,5                       | 226                  | 370                  | 245                  | MK2 B |
| A4622-19    | 19                         | 226                  | 370                  | 245                  | MK2 B |
| A4622-19.5  | 19,5                       | 240                  | 385                  | 260                  | MK2 B |
| A4622-20    | 20                         | 240                  | 385                  | 260                  | MK2 B |
| A4622-21    | 21                         | 238                  | 385                  | 260                  | MK2 B |
| A4622-22    | 22                         | 247                  | 405                  | 270                  | MK2 B |
| A4622-23    | 23                         | 246                  | 405                  | 270                  | MK2 B |
| A4622-24    | 24                         | 265                  | 440                  | 290                  | MK3 B |
| A4622-25    | 25                         | 265                  | 440                  | 290                  | MK3 B |
| A4622-26    | 26                         | 263                  | 440                  | 290                  | MK3 B |
| A4622-27    | 27                         | 277                  | 460                  | 305                  | MK3 B |
| A4622-28    | 28                         | 277                  | 460                  | 305                  | MK3 B |
| A4622-29    | 29                         | 275                  | 460                  | 305                  | MK3 B |
| A4622-30    | 30                         | 275                  | 460                  | 305                  | MK3 B |

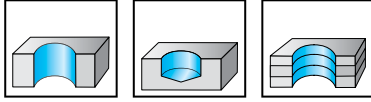
**WALTER  
SELECT**

●● Основная область применения    ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = 😐 → неблагоприятных = ☹ условий обработки

# Свёрла быстрорежущие с коническим хвостовиком, большой длины

## A4611

– Тип N



|              |   |   |   |   |   |   |   |
|--------------|---|---|---|---|---|---|---|
|              | P | M | K | N | S | H | O |
| без покрытия | ● | ● | ● | ● | ● | ● | ● |

B1

| Инструмент      | Обозначение | D <sub>c</sub><br>h8<br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | MK    |
|-----------------|-------------|----------------------------|----------------------|----------------------|----------------------|-------|
| <br>Morse taper | A4611-8     | 8                          | 152                  | 265                  | 165                  | MK1 B |
|                 | A4611-9     | 9                          | 160                  | 275                  | 175                  | MK1 B |
|                 | A4611-10    | 10                         | 169                  | 285                  | 185                  | MK1 B |
|                 | A4611-10.5  | 10,5                       | 169                  | 285                  | 185                  | MK1 B |
|                 | A4611-11    | 11                         | 177                  | 300                  | 195                  | MK1 B |
|                 | A4611-11.5  | 11,5                       | 177                  | 300                  | 195                  | MK1 B |
|                 | A4611-14    | 14                         | 206                  | 325                  | 220                  | MK1 B |
|                 | A4611-15    | 15                         | 205                  | 340                  | 220                  | MK2 B |
|                 | A4611-15.5  | 15,5                       | 214                  | 355                  | 230                  | MK2 B |
|                 | A4611-16    | 16                         | 214                  | 355                  | 230                  | MK2 B |
|                 | A4611-16.5  | 16,5                       | 213                  | 355                  | 230                  | MK2 B |
|                 | A4611-17    | 17                         | 213                  | 355                  | 230                  | MK2 B |
|                 | A4611-17.5  | 17,5                       | 227                  | 370                  | 245                  | MK2 B |
|                 | A4611-18    | 18                         | 227                  | 370                  | 245                  | MK2 B |
|                 | A4611-19    | 19                         | 226                  | 370                  | 245                  | MK2 B |
|                 | A4611-19.5  | 19,5                       | 240                  | 385                  | 260                  | MK2 B |
|                 | A4611-20    | 20                         | 240                  | 385                  | 260                  | MK2 B |
|                 | A4611-20.5  | 20,5                       | 238                  | 385                  | 260                  | MK2 B |
|                 | A4611-21    | 21                         | 238                  | 385                  | 260                  | MK2 B |
|                 | A4611-21.5  | 21,5                       | 247                  | 405                  | 270                  | MK2 B |
| A4611-22        | 22          | 247                        | 405                  | 270                  | MK2 B                |       |
| A4611-22.5      | 22,5        | 246                        | 405                  | 270                  | MK2 B                |       |
| A4611-23        | 23          | 246                        | 405                  | 270                  | MK2 B                |       |
| A4611-23.5      | 23,5        | 246                        | 425                  | 270                  | MK3 B                |       |
| A4611-24        | 24          | 265                        | 440                  | 290                  | MK3 B                |       |
| A4611-24.5      | 24,5        | 265                        | 440                  | 290                  | MK3 B                |       |
| A4611-25        | 25          | 265                        | 440                  | 290                  | MK3 B                |       |
| A4611-25.5      | 25,5        | 263                        | 440                  | 290                  | MK3 B                |       |
| A4611-26        | 26          | 263                        | 440                  | 290                  | MK3 B                |       |
| A4611-26.5      | 26,5        | 263                        | 440                  | 290                  | MK3 B                |       |
| A4611-27        | 27          | 277                        | 460                  | 305                  | MK3 B                |       |
| A4611-28        | 28          | 277                        | 460                  | 305                  | MK3 B                |       |
| A4611-29        | 29          | 275                        | 460                  | 305                  | MK3 B                |       |
| A4611-30        | 30          | 275                        | 460                  | 305                  | MK3 B                |       |
| A4611-31        | 31          | 288                        | 480                  | 320                  | MK3 B                |       |
| A4611-32        | 32          | 286                        | 505                  | 320                  | MK4 B                |       |
| <br>Morse taper | A4611-33    | 33                         | 286                  | 505                  | 320                  | MK4 B |
|                 | A4611-34    | 34                         | 304                  | 530                  | 340                  | MK4 B |
|                 | A4611-35    | 35                         | 304                  | 530                  | 340                  | MK4 B |
|                 | A4611-38    | 38                         | 320                  | 555                  | 360                  | MK4 B |
|                 | A4611-39    | 39                         | 320                  | 555                  | 360                  | MK4 B |
|                 | A4611-40    | 40                         | 320                  | 555                  | 360                  | MK4 B |

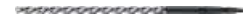
**WALTER  
SELECT**

●● Основная область применения   
 ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

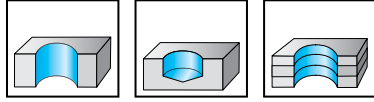
# Свёрла быстрорежущие с коническим хвостовиком, большой длины

## A4722

### UFL®



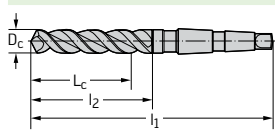
– Нач. с 23,02 мм – без покрытия



|              |    |   |    |    |   |   |   |
|--------------|----|---|----|----|---|---|---|
|              | P  | M | K  | N  | S | H | O |
| без покрытия | ●● | ● | ●● | ●● | ● |   | ● |

B1

### Инструмент



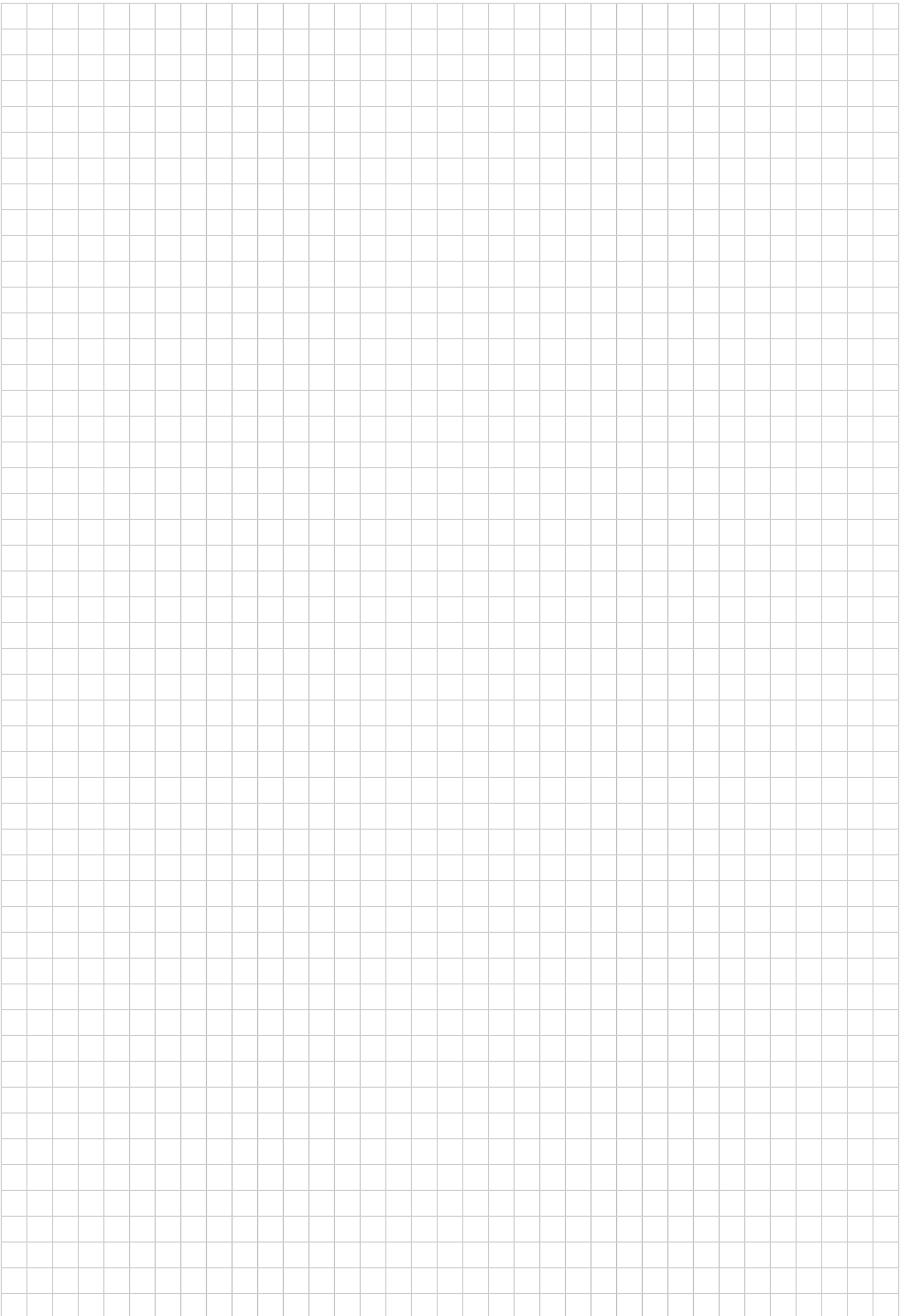
Morse taper

| Обозначение | D <sub>c</sub><br>h8<br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | МК    |
|-------------|----------------------------|----------------------|----------------------|----------------------|-------|
| A4722-8     | 8                          | 197                  | 330                  | 210                  | МК1 В |
| A4722-8.5   | 8,5                        | 197                  | 330                  | 210                  | МК1 В |
| A4722-9     | 9                          | 205                  | 345                  | 220                  | МК1 В |
| A4722-10    | 10                         | 219                  | 360                  | 235                  | МК1 В |
| A4722-10.5  | 10,5                       | 219                  | 360                  | 235                  | МК1 В |
| A4722-11    | 11                         | 232                  | 375                  | 250                  | МК1 В |
| A4722-11.5  | 11,5                       | 232                  | 375                  | 250                  | МК1 В |
| A4722-12    | 12                         | 246                  | 395                  | 260                  | МК1 В |
| A4722-12.5  | 12,5                       | 246                  | 395                  | 260                  | МК1 В |
| A4722-13    | 13                         | 246                  | 395                  | 260                  | МК1 В |
| A4722-13.5  | 13,5                       | 261                  | 410                  | 275                  | МК1 В |
| A4722-14    | 14                         | 261                  | 410                  | 275                  | МК1 В |
| A4722-14.5  | 14,5                       | 260                  | 425                  | 275                  | МК2 В |
| A4722-15    | 15                         | 260                  | 425                  | 275                  | МК2 В |
| A4722-15.5  | 15,5                       | 279                  | 445                  | 295                  | МК2 В |
| A4722-16    | 16                         | 279                  | 445                  | 295                  | МК2 В |
| A4722-16.5  | 16,5                       | 278                  | 445                  | 295                  | МК2 В |
| A4722-17    | 17                         | 278                  | 445                  | 295                  | МК2 В |
| A4722-17.5  | 17,5                       | 292                  | 465                  | 310                  | МК2 В |
| A4722-18    | 18                         | 292                  | 465                  | 310                  | МК2 В |
| A4722-18.5  | 18,5                       | 291                  | 465                  | 310                  | МК2 В |
| A4722-19    | 19                         | 291                  | 465                  | 310                  | МК2 В |
| A4722-19.5  | 19,5                       | 305                  | 490                  | 325                  | МК2 В |
| A4722-20    | 20                         | 305                  | 490                  | 325                  | МК2 В |
| A4722-21    | 21                         | 303                  | 490                  | 325                  | МК2 В |
| A4722-22    | 22                         | 322                  | 515                  | 345                  | МК2 В |
| A4722-23    | 23                         | 321                  | 515                  | 345                  | МК2 В |
| A4722-24    | 24                         | 340                  | 555                  | 365                  | МК3 В |
| A4722-25    | 25                         | 340                  | 555                  | 365                  | МК3 В |
| A4722-26    | 26                         | 338                  | 555                  | 365                  | МК3 В |
| A4722-27    | 27                         | 357                  | 580                  | 385                  | МК3 В |
| A4722-28    | 28                         | 357                  | 580                  | 385                  | МК3 В |
| A4722-29    | 29                         | 355                  | 580                  | 385                  | МК3 В |
| A4722-30    | 30                         | 355                  | 580                  | 385                  | МК3 В |
| A4722-32    | 32                         | 376                  | 635                  | 410                  | МК4 В |
| A4722-33    | 33                         | 376                  | 635                  | 410                  | МК4 В |
| A4722-34    | 34                         | 394                  | 665                  | 430                  | МК4 В |
| A4722-35    | 35                         | 394                  | 665                  | 430                  | МК4 В |
| A4722-38    | 38                         | 420                  | 695                  | 460                  | МК4 В |
| A4722-40    | 40                         | 420                  | 695                  | 460                  | МК4 В |

**WALTER  
SELECT**

●● Основная область применения   
 ● Возможная область применения  
 Оптимально подходит для → хороших = 😊 → нормальных = 😐 → неблагоприятных = ☹️ условий обработки





B1

## Свёрла центровочные твердосплавные/быстрорежущие

|  |                              |                              |                              |                              |                              |
|--|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| Вид обработки  |                              |                              |                              |                              |                              |
| Стандарт   | Walter                       | Walter                       | Walter                       | Walter                       | Walter                       |
| Угол зенковки  | 90°                          |                              | 120°                         |                              |                              |
|  |                              |                              |                              |                              |                              |
| Обозначение  | A1174                        | A1174C                       | A1114                        | A1114L                       | A1114S                       |
| Другие услуги  |                              |                              |                              |                              |                              |
| Сплав  | ТВЕРДЫЙ КАРБИД               | ТВЕРДЫЙ КАРБИД               | HSS                          | HSS                          | HSS                          |
| Покрытие/сплав   | без покрытия                 | без покрытия                 | без покрытия                 | без покрытия                 | без покрытия                 |
| Хвостовик  | с цилиндрическим хвостовиком | с цилиндрическим хвостовиком | с цилиндрическим хвостовиком | с цилиндрическим хвостовиком | с цилиндрическим хвостовиком |
| Диапазон Ø   | 3–20                         | 3–20                         | 4–20                         | 4–12,7                       | 2–25,4                       |
| <b>P</b> Сталь   |                              |                              | ●●                           | ●●                           | ●●                           |
| <b>M</b> Нержавеющая сталь   |                              |                              | ●                            | ●                            | ●                            |
| <b>K</b> Чугун   | ●                            | ●                            | ●●                           | ●●                           | ●●                           |
| <b>N</b> Цветные металлы   | ●●                           | ●●                           | ●●                           | ●●                           | ●●                           |
| <b>S</b> Жаропрочные сплавы  | ●●                           | ●●                           | ●                            | ●                            | ●                            |
| <b>H</b> Материалы высокой твёрдости                                     |                              |                              |                              |                              |                              |
| <b>O</b> Прочее  | ●●                           | ●●                           | ●●                           | ●●                           | ●●                           |
| Страница в каталоге  | B 436                        | B 440                        | B 441                        | B 443                        | B 442                        |
| QR-код   |                              |                              |                              |                              |                              |
| <a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a> | A1174                        | A1174C                       | A1114                        | A1114L                       | A1114S                       |

## Свёрла центровочные твердосплавные/быстрорежущие

Вид обработки



Стандарт

Walter

Walter

Walter

Угол зенковки

90°



Обозначение

A1115

A1115L

A1115S

Другие услуги

Сплав

HSS

HSS

HSS

Покрытие/сплав

без покрытия

без покрытия

без покрытия

Хвостовик

с цилиндрическим  
хвостовикомс цилиндрическим  
хвостовикомс цилиндрическим  
хвостовиком

Диапазон Ø

4–20

4–25,4

2–25,4

P Сталь

●●

●●

●●

M Нержавеющая сталь

●

●

●

K Чугун

●●

●●

●●

N Цветные металлы

●●

●●

●●

S Жаропрочные сплавы

●

●

●

H Материалы высокой твердости

O Прочее

●●

●●

●●

Страница в каталоге

B 437

B 439

B 438

QR-код


[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

A1115

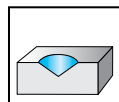
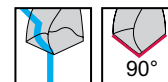
A1115L

A1115S

# Сверла центровочные твердосплавные 90°

## A1174

### NC 90°

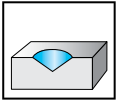
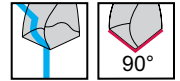


B1

|              |   |   |   |    |    |   |    |
|--------------|---|---|---|----|----|---|----|
|              | P | M | K | N  | S  | H | O  |
| без покрытия |   |   | ● | ●● | ●● |   | ●● |

| Инструмент               |             | D <sub>c</sub><br>h6<br>mm | D <sub>c</sub> Inch/Nr | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>h6<br>mm |
|--------------------------|-------------|----------------------------|------------------------|----------------------|----------------------|----------------------------|
| <p>Cylindrical shank</p> | A1174-3     | 3                          |                        | 46                   | 11                   | 3                          |
|                          | A1174-4     | 4                          |                        | 55                   | 15                   | 4                          |
|                          | A1174-5     | 5                          |                        | 62                   | 16                   | 5                          |
|                          | A1174-6     | 6                          |                        | 66                   | 17                   | 6                          |
|                          | A1174-1/4IN | 6,350                      | 1/4"                   | 70                   | 18                   | 6,35                       |
|                          | A1174-8     | 8                          |                        | 79                   | 22                   | 8                          |
|                          | A1174-3/8IN | 9,525                      | 3/8"                   | 89                   | 26                   | 9,525                      |
|                          | A1174-10    | 10                         |                        | 89                   | 26                   | 10                         |
|                          | A1174-12    | 12                         |                        | 102                  | 30                   | 12                         |
|                          | A1174-1/2IN | 12,700                     | 1/2"                   | 102                  | 30                   | 12,7                       |
|                          | A1174-16    | 16                         |                        | 115                  | 34                   | 16                         |
|                          | A1174-20    | 20                         |                        | 131                  | 40                   | 20                         |

# Свёрла центровочные быстрорежущие 90° A1115



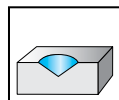
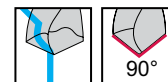
|              |    |   |    |    |   |   |    |
|--------------|----|---|----|----|---|---|----|
|              | P  | M | K  | N  | S | H | O  |
| без покрытия | ●● | ● | ●● | ●● | ● |   | ●● |

| Инструмент               |             | D <sub>c</sub><br>h8<br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>h8<br>mm |
|--------------------------|-------------|----------------------------|----------------------|----------------------|----------------------------|
| <p>Cylindrical shank</p> | Обозначение |                            |                      |                      |                            |
|                          | A1115-4     | 4                          | 55                   | 18                   | 4                          |
|                          | A1115-5     | 5                          | 62                   | 21                   | 5                          |
|                          | A1115-6     | 6                          | 66                   | 22                   | 6                          |
|                          | A1115-8     | 8                          | 79                   | 30                   | 8                          |
|                          | A1115-10    | 10                         | 89                   | 34                   | 10                         |
|                          | A1115-12    | 12                         | 102                  | 41                   | 12                         |
|                          | A1115-16    | 16                         | 115                  | 46                   | 16                         |
| A1115-20                 | 20          | 131                        | 53                   | 20                   |                            |

●● Основная область применения
● Возможная область применения  
 Оптимально подходит для → хороших = 😊 → нормальных = 😐 → неблагоприятных = ☹️ условий обработки

B1

# Свёрла центровочные быстрорежущие 90° A1115S



B1

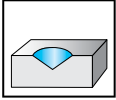
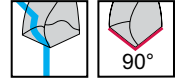
|              |    |   |    |    |   |   |    |
|--------------|----|---|----|----|---|---|----|
|              | P  | M | K  | N  | S | H | O  |
| без покрытия | ●● | ● | ●● | ●● | ● |   | ●● |

| Инструмент               | Обозначение  | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub> Inch/Nr | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>h8<br>mm |
|--------------------------|--------------|----------------------------|------------------------|----------------------|----------------------|----------------------------|
| <p>Cylindrical shank</p> | A1115S-2     | 2                          |                        | 40                   | 8                    | 2                          |
|                          | A1115S-3     | 3                          |                        | 50                   | 10                   | 3                          |
|                          | A1115S-4     | 4                          |                        | 52                   | 12                   | 4                          |
|                          | A1115S-5     | 5                          |                        | 60                   | 15                   | 5                          |
|                          | A1115S-6     | 6                          |                        | 66                   | 20                   | 6                          |
|                          | A1115S-1/4IN | 6,350                      | 1/4"                   | 66                   | 20                   | 6,35                       |
|                          | A1115S-8     | 8                          |                        | 79                   | 25                   | 8                          |
|                          | A1115S-3/8IN | 9,525                      | 3/8"                   | 89                   | 25                   | 9,525                      |
|                          | A1115S-10    | 10                         |                        | 89                   | 25                   | 10                         |
|                          | A1115S-12    | 12                         |                        | 102                  | 30                   | 12                         |
|                          | A1115S-1/2IN | 12,700                     | 1/2"                   | 102                  | 35                   | 12,7                       |
|                          | A1115S-14    | 14                         |                        | 115                  | 35                   | 14                         |
|                          | A1115S-5/8IN | 15,875                     | 5/8"                   | 115                  | 35                   | 15,875                     |
|                          | A1115S-16    | 16                         |                        | 115                  | 35                   | 16                         |
|                          | A1115S-18    | 18                         |                        | 130                  | 40                   | 18                         |
|                          | A1115S-3/4IN | 19,050                     | 3/4"                   | 131                  | 40                   | 19,05                      |
|                          | A1115S-20    | 20                         |                        | 131                  | 40                   | 20                         |
|                          | A1115S-1IN   | 25,400                     | 1.0"                   | 138                  | 45                   | 25,4                       |

**WALTER  
SELECT**

●● Основная область применения    ● Возможная область применения  
 Оптимально подходит для → хороших = 😊 → нормальных = 😐 → неблагоприятных = ☹️ условий обработки

# Свёрла центровочные быстрорежущие 90° A1115L



|              | P  | M | K  | N  | S | H | O  |
|--------------|----|---|----|----|---|---|----|
| без покрытия | ●● | ● | ●● | ●● | ● |   | ●● |

B1

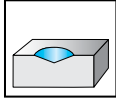
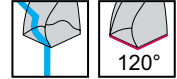
| Инструмент               |              | $D_c$<br>h8<br>mm | $D_c$ Inch/Nr | $l_1$<br>mm | $l_2$<br>mm | $d_1$<br>h8<br>mm |
|--------------------------|--------------|-------------------|---------------|-------------|-------------|-------------------|
| <p>Cylindrical shank</p> | A1115L-4     | 4                 |               | 100         | 12          | 4                 |
|                          | A1115L-5     | 5                 |               | 120         | 15          | 5                 |
|                          | A1115L-6     | 6                 |               | 140         | 20          | 6                 |
|                          | A1115L-1/4IN | 6,350             | 1/4"          | 140         | 20          | 6,35              |
|                          | A1115L-8     | 8                 |               | 140         | 25          | 8                 |
|                          | A1115L-3/8IN | 9,525             | 3/8"          | 170         | 25          | 9,525             |
|                          | A1115L-10    | 10                |               | 170         | 25          | 10                |
|                          | A1115L-12    | 12                |               | 170         | 30          | 12                |
|                          | A1115L-1/2IN | 12,700            | 1/2"          | 170         | 30          | 12,7              |
|                          | A1115L-5/8IN | 15,875            | 5/8"          | 200         | 35          | 15,875            |
|                          | A1115L-3/4IN | 19,050            | 3/4"          | 200         | 40          | 19,05             |
|                          | A1115L-20    | 20                |               | 200         | 40          | 20                |
|                          | A1115L-1IN   | 25,400            | 1.0"          | 200         | 40          | 25,4              |

**WALTER  
SELECT**

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

# Сверла центровочные твердосплавные 120°

A1174C  
NC 120°



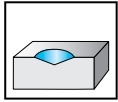
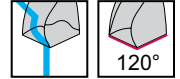
B1

|              |   |   |   |    |    |   |    |
|--------------|---|---|---|----|----|---|----|
|              | P | M | K | N  | S  | H | O  |
| без покрытия |   |   | ● | ●● | ●● |   | ●● |

| Инструмент               | Обозначение  | D <sub>c</sub><br>h6<br>mm | D <sub>c</sub> Inch/Nr | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>h6<br>mm |
|--------------------------|--------------|----------------------------|------------------------|----------------------|----------------------|----------------------------|
| <p>Cylindrical shank</p> | A1174C-3     | 3                          |                        | 46                   | 11                   | 3                          |
|                          | A1174C-4     | 4                          |                        | 55                   | 15                   | 4                          |
|                          | A1174C-5     | 5                          |                        | 62                   | 16                   | 5                          |
|                          | A1174C-6     | 6                          |                        | 66                   | 17                   | 6                          |
|                          | A1174C-1/4IN | 6,350                      | 1/4"                   | 70                   | 18                   | 6,35                       |
|                          | A1174C-8     | 8                          |                        | 79                   | 22                   | 8                          |
|                          | A1174C-3/8IN | 9,525                      | 3/8"                   | 89                   | 26                   | 9,525                      |
|                          | A1174C-10    | 10                         |                        | 89                   | 26                   | 10                         |
|                          | A1174C-12    | 12                         |                        | 102                  | 30                   | 12                         |
|                          | A1174C-1/2IN | 12,700                     | 1/2"                   | 102                  | 30                   | 12,7                       |
|                          | A1174C-16    | 16                         |                        | 115                  | 34                   | 16                         |
|                          | A1174C-20    | 20                         |                        | 131                  | 40                   | 20                         |



# Свёрла центровочные быстрорежущие 120° A1114



|              |    |   |    |    |   |   |    |
|--------------|----|---|----|----|---|---|----|
|              | P  | M | K  | N  | S | H | O  |
| без покрытия | ●● | ● | ●● | ●● | ● |   | ●● |

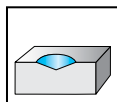
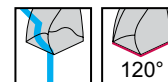
B1

| Инструмент               |             | D <sub>c</sub><br>h8<br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>h8<br>mm |
|--------------------------|-------------|----------------------------|----------------------|----------------------|----------------------------|
| <p>Cylindrical shank</p> | Обозначение |                            |                      |                      |                            |
|                          | A1114-4     | 4                          | 55                   | 18                   | 4                          |
|                          | A1114-5     | 5                          | 62                   | 21                   | 5                          |
|                          | A1114-6     | 6                          | 66                   | 22                   | 6                          |
|                          | A1114-8     | 8                          | 79                   | 30                   | 8                          |
|                          | A1114-10    | 10                         | 89                   | 34                   | 10                         |
|                          | A1114-12    | 12                         | 102                  | 41                   | 12                         |
|                          | A1114-16    | 16                         | 115                  | 46                   | 16                         |
| A1114-20                 | 20          | 131                        | 53                   | 20                   |                            |

●● Основная область применения
● Возможная область применения  
 Оптимально подходит для → хороших = 😊 → нормальных = 😐 → неблагоприятных = ☹️ условий обработки

# Свёрла центровочные быстрорежущие 120°

## A1114S



B1

|              |    |   |    |    |   |   |    |
|--------------|----|---|----|----|---|---|----|
|              | P  | M | K  | N  | S | H | O  |
| без покрытия | ●● | ● | ●● | ●● | ● |   | ●● |

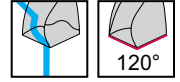
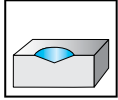
| Инструмент               | Обозначение  | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub> Inch/Nr | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>h8<br>mm |
|--------------------------|--------------|----------------------------|------------------------|----------------------|----------------------|----------------------------|
| <p>Cylindrical shank</p> | A1114S-2     | 2                          |                        | 40                   | 8                    | 2                          |
|                          | A1114S-3     | 3                          |                        | 50                   | 10                   | 3                          |
|                          | A1114S-4     | 4                          |                        | 52                   | 12                   | 4                          |
|                          | A1114S-5     | 5                          |                        | 60                   | 15                   | 5                          |
|                          | A1114S-6     | 6                          |                        | 66                   | 20                   | 6                          |
|                          | A1114S-1/4IN | 6,350                      | 1/4"                   | 66                   | 20                   | 6,35                       |
|                          | A1114S-8     | 8                          |                        | 79                   | 25                   | 8                          |
|                          | A1114S-3/8IN | 9,525                      | 3/8"                   | 89                   | 25                   | 9,525                      |
|                          | A1114S-10    | 10                         |                        | 89                   | 25                   | 10                         |
|                          | A1114S-12    | 12                         |                        | 102                  | 30                   | 12                         |
|                          | A1114S-1/2IN | 12,700                     | 1/2"                   | 102                  | 35                   | 12,7                       |
|                          | A1114S-14    | 14                         |                        | 115                  | 35                   | 14                         |
|                          | A1114S-5/8IN | 15,875                     | 5/8"                   | 115                  | 35                   | 15,875                     |
|                          | A1114S-3/4IN | 19,050                     | 3/4"                   | 131                  | 40                   | 19,05                      |
|                          | A1114S-1IN   | 25,400                     | 1.0"                   | 138                  | 45                   | 25,4                       |

**WALTER  
SELECT**

●● Основная область применения    ● Возможная область применения  
 Оптимально подходит для → хороших = 😊 → нормальных = 😐 → неблагоприятных = ☹️ условий обработки

# Свёрла центровочные быстрорежущие 120°

## A1114L



|              |    |   |    |    |   |   |    |
|--------------|----|---|----|----|---|---|----|
|              | P  | M | K  | N  | S | H | O  |
| без покрытия | ●● | ● | ●● | ●● | ● |   | ●● |

B1

| Инструмент               |              | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub> Inch/Nr | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>h8<br>mm |
|--------------------------|--------------|----------------------------|------------------------|----------------------|----------------------|----------------------------|
| <p>Cylindrical shank</p> | A1114L-4     | 4                          |                        | 100                  | 12                   | 4                          |
|                          | A1114L-5     | 5                          |                        | 120                  | 15                   | 5                          |
|                          | A1114L-6     | 6                          |                        | 140                  | 20                   | 6                          |
|                          | A1114L-1/4IN | 6,350                      | 1/4"                   | 140                  | 20                   | 6,35                       |
|                          | A1114L-8     | 8                          |                        | 140                  | 25                   | 8                          |
|                          | A1114L-3/8IN | 9,525                      | 3/8"                   | 170                  | 25                   | 9,525                      |
|                          | A1114L-10    | 10                         |                        | 170                  | 25                   | 10                         |
|                          | A1114L-12    | 12                         |                        | 170                  | 30                   | 12                         |
|                          | A1114L-1/2IN | 12,700                     | 1/2"                   | 170                  | 30                   | 12,7                       |

**WALTER  
SELECT**

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = 😊 → нормальных = 😐 → неблагоприятных = ☹️ условий обработки

## Свёрла центровочные твердосплавные/быстрорежущие

Вид обработки



|       |   |   |   |   |   |
|-------|---|---|---|---|---|
| Форма | A | A | A | A | A |
|-------|---|---|---|---|---|

B1



|                               |                              |                              |                              |                              |                              |
|-------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| Обозначение                   | K1161XPL                     | K1161                        | K1911                        | K1811                        | K1411S                       |
| Стандарт                      | DIN 333-A                    | DIN 333-A                    | B.S. 328                     | ANSI B94.11                  | Walter                       |
| Сплав                         | ТВЕРДЫЙ КАРБИД               | ТВЕРДЫЙ КАРБИД               | HSS                          | HSS                          | HSS                          |
| Покрытие/сплав                | XPL                          | без покрытия                 | без покрытия                 | без покрытия                 | без покрытия                 |
| Хвостовик                     | с цилиндрическим хвостовиком | с цилиндрическим хвостовиком | с цилиндрическим хвостовиком | с цилиндрическим хвостовиком | с цилиндрическим хвостовиком |
| Диапазон Ø                    | 0,5–6,3                      | 0,5–6,3                      | 1,191–7,938                  | 0,635–7,938                  | 0,75–5                       |
| P Сталь                       | ●●                           | ●●                           | ●●                           | ●●                           | ●●                           |
| M Нержавеющая сталь           | ●●                           | ●●                           | ●●                           | ●●                           | ●●                           |
| K Чугун                       | ●●                           | ●●                           | ●●                           | ●●                           | ●●                           |
| N Цветные металлы             | ●●                           | ●●                           | ●●                           | ●●                           | ●●                           |
| S Жаропрочные сплавы          | ●●                           | ●●                           | ●●                           | ●●                           | ●●                           |
| H Материалы высокой твёрдости | ●●                           | ●                            |                              |                              |                              |
| O Прочее                      | ●●                           | ●●                           | ●●                           | ●●                           | ●●                           |
| Страница в каталоге           | B 448                        | B 448                        | B 457                        | B 456                        | B 453                        |
| QR-код                        |                              |                              |                              |                              |                              |
| www.walter-tools.com/woc/     | K1161XPL                     | K1161                        | K1911                        | K1811                        | K1411S                       |

## Свёрла центровочные твердосплавные/быстрорежущие

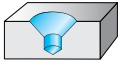


|               |   |   |   |   |   |
|---------------|---|---|---|---|---|
| Вид обработки |   |   |   |   |   |
| Форма         | A | A | R | A | B |



|                                      |                              |                              |                              |                              |                              |
|--------------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| Обозначение                          | K1411M                       | K1411L                       | K1313                        | K1311                        | K1215                        |
| Стандарт                             | Walter                       | Walter                       | Walter                       | Walter                       | DIN 333-B                    |
| Сплав                                | HSS                          | HSS                          | HSS                          | HSS                          | HSS                          |
| Покрытие/сплав                       | без покрытия                 | без покрытия                 | без покрытия                 | без покрытия                 | без покрытия                 |
| Хвостовик                            | с цилиндрическим хвостовиком | с цилиндрическим хвостовиком | с цилиндрическим хвостовиком | с цилиндрическим хвостовиком | с цилиндрическим хвостовиком |
| Диапазон Ø                           | 0,75–4                       | 2–4                          | 1–4                          | 0,63–6                       | 1–10                         |
| <b>P</b> Сталь                       | ●●                           | ●●                           | ●●                           | ●●                           | ●●                           |
| <b>M</b> Нержавеющая сталь           | ●●                           | ●●                           | ●●                           | ●●                           | ●●                           |
| <b>K</b> Чугун                       | ●●                           | ●●                           | ●●                           | ●●                           | ●●                           |
| <b>N</b> Цветные металлы             | ●●                           | ●●                           | ●●                           | ●●                           | ●●                           |
| <b>S</b> Жаропрочные сплавы          | ●●                           | ●●                           | ●●                           | ●●                           | ●●                           |
| <b>H</b> Материалы высокой твёрдости |                              |                              |                              |                              |                              |
| <b>O</b> Прочее                      | ●●                           | ●●                           | ●●                           | ●●                           | ●●                           |
| Страница в каталоге                  | B 454                        | B 455                        | B 461                        | B 452                        | B 458                        |
| QR-код                               |                              |                              |                              |                              |                              |
| www.walter-tools.com/woc/            | K1411M                       | K1411L                       | K1313                        | K1311                        | K1215                        |






B1

## Свёрла центровочные твердосплавные/быстрорежущие

|               |   |  |   |   |   |
|---------------|---|--|---|---|---|
| Вид обработки |  |  |  |   |   |
| Форма         | A   | R  | R   | R | A |

B1



|  |   |   |  |   |   |
|--|---|---|--|---|---|
| Обозначение  | K1131   | K1114   | K1113TIN   | K1113   | K1112   |
| Стандарт   | DIN 333-A   | DIN 333-R   | DIN 333-R  | DIN 333-R   | DIN 333-A   |
| Сплав  | HSS   | HSS   | HSS  | HSS   | HSS   |
| Покрытие/сплав   | без покрытия  | без покрытия  | TiN  | без покрытия  | без покрытия  |
| Хвостовик  | с цилиндрическим хвостовиком  | с цилиндрическим хвостовиком с лыской   | с цилиндрическим хвостовиком   | с цилиндрическим хвостовиком  | с цилиндрическим хвостовиком с лыской   |
| Диапазон Ø   | 0,5–6,3   | 2–5   | 1–5  | 0,5–10  | 1,6–5   |
| <b>P</b> Сталь   | ●●  | ●●  | ●●   | ●●  | ●●  |
| <b>M</b> Нержавеющая сталь   | ●●  | ●●  | ●●   | ●●  | ●●  |
| <b>K</b> Чугун   | ●●  | ●●  | ●●   | ●●  | ●●  |
| <b>N</b> Цветные металлы   | ●●  | ●●  | ●●   | ●●  | ●●  |
| <b>S</b> Жаропрочные сплавы  | ●●  | ●●  | ●●   | ●●  | ●●  |
| <b>H</b> Материалы высокой твёрдости                                     |   |   |  |   |   |
| <b>O</b> Прочее  | ●●  | ●●  | ●●   | ●●  | ●●  |
| Страница в каталоге  | B 451   | B 460   | B 459  | B 459   | B 450   |
| QR-код   |  |  |  |  |  |
| <a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a> | K1131   | K1114   | K1113TIN   | K1113   | K1112   |

## Свёрла центровочные твердосплавные/быстрорежущие

|               |   |   |
|---------------|---|---|
| Вид обработки |   |   |
| Форма         | A | A |

B1



|                                      |                              |                              |
|--------------------------------------|------------------------------|------------------------------|
| Обозначение                          | K1111TIN                     | K1111                        |
| Стандарт                             | DIN 333-A                    | DIN 333-A                    |
| Сплав                                | HSS                          | HSS                          |
| Покрытие/сплав                       | TIN                          | без покрытия                 |
| Хвостовик                            | с цилиндрическим хвостовиком | с цилиндрическим хвостовиком |
| Диапазон Ø                           | 1–5                          | 0,5–12,5                     |
| <b>P</b> Сталь                       | ●●                           | ●●                           |
| <b>M</b> Нержавеющая сталь           | ●●                           | ●●                           |
| <b>K</b> Чугун                       | ●●                           | ●●                           |
| <b>N</b> Цветные металлы             | ●●                           | ●●                           |
| <b>S</b> Жаропрочные сплавы          | ●●                           | ●●                           |
| <b>H</b> Материалы высокой твёрдости | ●●                           | ●●                           |
| <b>O</b> Прочее                      | ●●                           | ●●                           |

Страница в каталоге

B 449

B 449

QR-код



K1111TIN



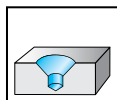
K1111

[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

# Свёрла центровочные твердосплавные K1161XPL / K1161



– Для обработки отверстий с прямолинейной образующей по DIN 332 A  
– Форма А



B1

|              | P  | M  | K  | N  | S  | H  | O  |
|--------------|----|----|----|----|----|----|----|
| XPL          | ●● | ●● | ●● | ●● | ●● | ●● | ●● |
| без покрытия | ●● | ●● | ●● | ●● | ●● | ●  | ●● |

| Инструмент | Обозначение   | D <sub>c</sub><br>k12<br>mm | l <sub>1</sub><br>mm | d <sub>1</sub><br>h9<br>mm |
|------------|---------------|-----------------------------|----------------------|----------------------------|
|            | K1161XPL-0.5  | 0,5                         | 25                   | 3,15                       |
|            | K1161XPL-0.8  | 0,8                         | 25                   | 3,15                       |
|            | K1161XPL-1    | 1                           | 31,5                 | 3,15                       |
|            | K1161XPL-1.25 | 1,25                        | 31,5                 | 3,15                       |
|            | K1161XPL-1.6  | 1,6                         | 35,5                 | 4                          |
|            | K1161XPL-2    | 2                           | 40                   | 5                          |
|            | K1161XPL-2.5  | 2,5                         | 45                   | 6,3                        |
|            | K1161XPL-3.15 | 3,15                        | 50                   | 8                          |
|            | K1161XPL-4    | 4                           | 56                   | 10                         |
|            | K1161XPL-5    | 5                           | 63                   | 12,5                       |
|            | K1161XPL-6.3  | 6,3                         | 71                   | 16                         |
|            | K1161-0.5     | 0,5                         | 25                   | 3,15                       |
|            | K1161-0.8     | 0,8                         | 25                   | 3,15                       |
|            | K1161-1       | 1                           | 31,5                 | 3,15                       |
|            | K1161-1.25    | 1,25                        | 31,5                 | 3,15                       |
|            | K1161-1.6     | 1,6                         | 35,5                 | 4                          |
|            | K1161-2       | 2                           | 40                   | 5                          |
|            | K1161-2.5     | 2,5                         | 45                   | 6,3                        |
|            | K1161-3.15    | 3,15                        | 50                   | 8                          |
|            | K1161-4       | 4                           | 56                   | 10                         |
| K1161-5    | 5             | 63                          | 12,5                 |                            |
| K1161-6.3  | 6,3           | 71                          | 16                   |                            |

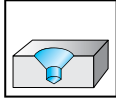
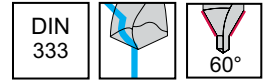
Исключение: свёрла D<sub>c</sub> 0,5/0,8 мм, односторонние



## Свёрла центровочные быстрорежущие K1111TIN / K1111



– Для обработки отверстий с прямолинейной образующей по DIN 332 A  
– Форма А



|              | P  | M  | K  | N  | S  | H | O  |
|--------------|----|----|----|----|----|---|----|
| TIN          | ●● | ●● | ●● | ●● | ●● |   | ●● |
| без покрытия | ●● | ●● | ●● | ●● | ●● |   | ●● |

B1

| Инструмент               |               | $D_c$<br>k12<br>mm | $l_1$<br>mm | $d_1$<br>h9<br>mm |
|--------------------------|---------------|--------------------|-------------|-------------------|
| <p>Cylindrical shank</p> | Обозначение   |                    |             |                   |
|                          | K1111TIN-1    | 1                  | 31,5        | 3,15              |
|                          | K1111TIN-1.25 | 1,25               | 31,5        | 3,15              |
|                          | K1111TIN-1.6  | 1,6                | 35,5        | 4                 |
|                          | K1111TIN-2    | 2                  | 40          | 5                 |
|                          | K1111TIN-2.5  | 2,5                | 45          | 6,3               |
|                          | K1111TIN-3.15 | 3,15               | 50          | 8                 |
|                          | K1111TIN-4    | 4                  | 56          | 10                |
|                          | K1111TIN-5    | 5                  | 63          | 12,5              |
|                          | K1111-0.5     | 0,5                | 25          | 3,15              |
|                          | K1111-0.8     | 0,8                | 25          | 3,15              |
|                          | K1111-1       | 1                  | 31,5        | 3,15              |
|                          | K1111-1.25    | 1,25               | 31,5        | 3,15              |
|                          | K1111-1.6     | 1,6                | 35,5        | 4                 |
|                          | K1111-2       | 2                  | 40          | 5                 |
|                          | K1111-2.5     | 2,5                | 45          | 6,3               |
|                          | K1111-3.15    | 3,15               | 50          | 8                 |
|                          | K1111-4       | 4                  | 56          | 10                |
|                          | K1111-5       | 5                  | 63          | 12,5              |
|                          | K1111-6.3     | 6,3                | 71          | 16                |
| K1111-8                  | 8             | 80                 | 20          |                   |
| K1111-10                 | 10            | 100                | 25          |                   |
| K1111-12.5               | 12,5          | 125                | 31,5        |                   |

Исключение: свёрла  $D_c$  0,5/0,8 мм, односторонние

**WALTER  
SELECT**

●● Основная область применения ● Возможная область применения  
Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условия обработки

☹ ☹ ☹ / ★ = Новый инструмент

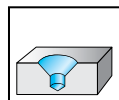
Свёрла центровочные твердосплавные и быстрорежущие В 449

# Свёрла центровочные быстрорежущие K1112



– Для обработки отверстий с прямолинейной образующей по DIN 332 A  
– Форма А с лыской

DIN  
333



B1

|              |    |    |    |    |    |   |    |
|--------------|----|----|----|----|----|---|----|
|              | P  | M  | K  | N  | S  | H | O  |
| без покрытия | ●● | ●● | ●● | ●● | ●● |   | ●● |

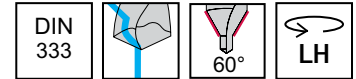
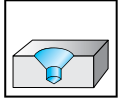
| Инструмент                         |             | $D_c$<br>k12<br>mm | $l_1$<br>mm | $d_1$<br>h9<br>mm |
|------------------------------------|-------------|--------------------|-------------|-------------------|
| <p>Cylindrical shank with flat</p> | Обозначение |                    |             |                   |
|                                    | K1112-1.6   | 1,6                | 35,5        | 4                 |
|                                    | K1112-2     | 2                  | 40          | 5                 |
|                                    | K1112-2.5   | 2,5                | 45          | 6,3               |
|                                    | K1112-3.15  | 3,15               | 50          | 8                 |
|                                    | K1112-4     | 4                  | 56          | 10                |
|                                    | K1112-5     | 5                  | 63          | 12,5              |

# Свёрла центровочные быстрорежущие, левая спираль

## K1131



– Для обработки отверстий с прямолинейной образующей по DIN 332 A  
– Форма А



|              |    |    |    |    |    |   |    |
|--------------|----|----|----|----|----|---|----|
|              | P  | M  | K  | N  | S  | H | O  |
| без покрытия | ●● | ●● | ●● | ●● | ●● |   | ●● |

B1

| Инструмент            |             | $D_c$<br>k12<br>mm | $l_1$<br>mm | $d_1$<br>h9<br>mm |
|-----------------------|-------------|--------------------|-------------|-------------------|
| <br>Cylindrical shank | Обозначение |                    |             |                   |
|                       | K1131-0.5   | 0,5                | 25          | 3,15              |
|                       | K1131-0.8   | 0,8                | 25          | 3,15              |
|                       | K1131-1     | 1                  | 31,5        | 3,15              |
|                       | K1131-1.25  | 1,25               | 31,5        | 3,15              |
|                       | K1131-1.6   | 1,6                | 35,5        | 4                 |
|                       | K1131-2     | 2                  | 40          | 5                 |
|                       | K1131-2.5   | 2,5                | 45          | 6,3               |
|                       | K1131-3.15  | 3,15               | 50          | 8                 |
|                       | K1131-4     | 4                  | 56          | 10                |
|                       | K1131-5     | 5                  | 63          | 12,5              |
|                       | K1131-6.3   | 6,3                | 71          | 16                |

Исключение: свёрла  $D_c$  0,5/0,8 мм, односторонние

**WALTER  
SELECT**

●● Основная область применения ● Возможная область применения  
Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

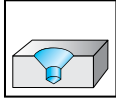
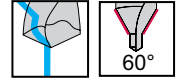
☺ ☹ ☹ / ★ = Новый инструмент

Свёрла центровочные твердосплавные и быстрорежущие В 451

# Свёрла центровочные быстрорежущие K1311



– Для обработки отверстий с прямолинейной образующей по DIN 332 A  
– Форма А



B1

|              |    |    |    |    |    |   |    |
|--------------|----|----|----|----|----|---|----|
|              | P  | M  | K  | N  | S  | H | O  |
| без покрытия | ●● | ●● | ●● | ●● | ●● |   | ●● |

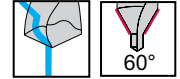
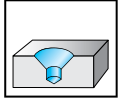
| Инструмент               |             | $D_c$<br>к12<br>мм | $l_1$<br>мм | $d_1$<br>h9<br>мм |
|--------------------------|-------------|--------------------|-------------|-------------------|
| <p>Cylindrical shank</p> | Обозначение |                    |             |                   |
|                          | K1311-0.63  | 0,63               | 20          | 3,15              |
|                          | K1311-0.75  | 0,75               | 35          | 3,5               |
|                          | K1311-1     | 1                  | 31,5        | 4                 |
|                          | K1311-1.5   | 1,5                | 40          | 5                 |
|                          | K1311-1.6   | 1,6                | 40          | 5                 |
|                          | K1311-2     | 2                  | 45          | 6                 |
|                          | K1311-2.5   | 2,5                | 50          | 8                 |
|                          | K1311-3     | 3                  | 56          | 10                |
|                          | K1311-3.15  | 3,15               | 56          | 10                |
|                          | K1311-4     | 4                  | 66          | 12                |
|                          | K1311-5     | 5                  | 78          | 14                |
|                          | K1311-6     | 6                  | 90          | 18                |

Исключение: свёрла  $D_c$  0,63 мм, односторонние

# Свёрла центровочные быстрорежущие, сверхдлинные K1411S



- Для обработки отверстий с прямолинейной образующей по DIN 332 A
- Форма А



|              |    |    |    |    |    |   |    |
|--------------|----|----|----|----|----|---|----|
|              | P  | M  | K  | N  | S  | H | O  |
| без покрытия | ●● | ●● | ●● | ●● | ●● |   | ●● |

B1

| Инструмент            |                 | $D_c$<br>k12<br>mm | $l_1$<br>mm | $d_1$<br>h9<br>mm |
|-----------------------|-----------------|--------------------|-------------|-------------------|
| <br>Cylindrical shank | Обозначение     |                    |             |                   |
|                       | K1411S-0.75X3.5 | 0,75               | 60          | 3,5               |
|                       | K1411S-1X4      | 1                  | 60          | 4                 |
|                       | K1411S-1.5X5    | 1,5                | 60          | 5                 |
|                       | K1411S-2X6      | 2                  | 80          | 6                 |
|                       | K1411S-2.5X8    | 2,5                | 80          | 8                 |
|                       | K1411S-3X8      | 3                  | 80          | 8                 |
|                       | K1411S-4X10     | 4                  | 100         | 10                |
| K1411S-5X14           | 5               | 120                | 14          |                   |

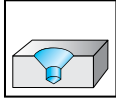
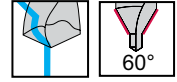
**WALTER  
SELECT**

●● Основная область применения    ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = 😐 → неблагоприятных = ☹️ условий обработки

# Свёрла центровочные быстрорежущие, сверхдлинные K1411M



– Для обработки отверстий с прямолинейной образующей по DIN 332 A  
– Форма A



B1

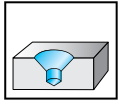
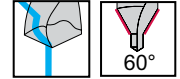
|              |    |    |    |    |    |   |    |
|--------------|----|----|----|----|----|---|----|
|              | P  | M  | K  | N  | S  | H | O  |
| без покрытия | ●● | ●● | ●● | ●● | ●● |   | ●● |

| Инструмент               |                 | $D_c$<br>k12<br>mm | $l_1$<br>mm | $d_1$<br>h9<br>mm |
|--------------------------|-----------------|--------------------|-------------|-------------------|
| <p>Cylindrical shank</p> | Обозначение     |                    |             |                   |
|                          | K1411M-0.75X3.5 | 0,75               | 120         | 3,5               |
|                          | K1411M-1X4      | 1                  | 120         | 4                 |
|                          | K1411M-1.5X5    | 1,5                | 120         | 5                 |
|                          | K1411M-2X6      | 2                  | 120         | 6                 |
|                          | K1411M-2.5X8    | 2,5                | 120         | 8                 |
|                          | K1411M-3X8      | 3                  | 120         | 8                 |
|                          | K1411M-4X10     | 4                  | 120         | 10                |

# Свёрла центровочные быстрорежущие, сверхдлинные K1411L



- Для обработки отверстий с прямолинейной образующей по DIN 332 A  
 - Форма А



|              |    |    |    |    |    |   |    |
|--------------|----|----|----|----|----|---|----|
|              | P  | M  | K  | N  | S  | H | O  |
| без покрытия | ●● | ●● | ●● | ●● | ●● |   | ●● |

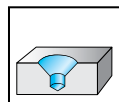
## Инструмент

|                          | Обозначение    | D <sub>c</sub><br>k12<br>mm | l <sub>1</sub><br>mm | d <sub>1</sub><br>h9<br>mm |
|--------------------------|----------------|-----------------------------|----------------------|----------------------------|
| <p>Cylindrical shank</p> | K1411L-2X5     | 2                           | 200                  | 5                          |
|                          | K1411L-2.5X6.3 | 2,5                         | 200                  | 6,3                        |
|                          | K1411L-3.15X8  | 3,15                        | 200                  | 8                          |
|                          | K1411L-4X10    | 4                           | 200                  | 10                         |

# Свёрла центровочные быстрорежущие K1811



– Для обработки отверстий с прямолинейной образующей по DIN 332 A  
– Форма А

 ANSI  
B 94.11


B1

|              |    |    |    |    |    |    |    |
|--------------|----|----|----|----|----|----|----|
|              | P  | M  | K  | N  | S  | H  | O  |
| без покрытия | ●● | ●● | ●● | ●● | ●● | ●● | ●● |

## Инструмент

|                          | Обозначение | Размер | D <sub>c</sub><br>k12<br>mm | D <sub>c</sub> Inch/Nr | l <sub>1</sub><br>mm | d <sub>1</sub><br>h9<br>mm |
|--------------------------|-------------|--------|-----------------------------|------------------------|----------------------|----------------------------|
| <p>Cylindrical shank</p> | K1811-N0.00 | NR. 00 | 0,635                       | 1/8"                   | 31                   | 3,175                      |
|                          | K1811-N0.0  | NR. 0  | 0,794                       | 1/8"                   | 31                   | 3,175                      |
|                          | K1811-N01   | NR. 1  | 1,191                       | 1/8"                   | 31,8                 | 3,175                      |
|                          | K1811-N02   | NR. 2  | 1,984                       | 3/16"                  | 47,6                 | 4,763                      |
|                          | K1811-N03   | NR. 3  | 2,778                       | 1/4"                   | 50,8                 | 6,35                       |
|                          | K1811-N04   | NR. 4  | 3,175                       | 5/16"                  | 54                   | 7,938                      |
|                          | K1811-N05   | NR. 5  | 4,763                       | 7/16"                  | 69,9                 | 11,113                     |
|                          | K1811-N06   | NR. 6  | 5,556                       | 1/2"                   | 76,2                 | 12,7                       |
|                          | K1811-N07   | NR. 7  | 6,35                        | 5/8"                   | 82,6                 | 15,875                     |
|                          | K1811-N08   | NR. 8  | 7,938                       | 3/4"                   | 88,9                 | 19,05                      |

**WALTER  
SELECT**

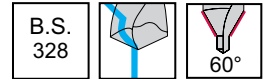
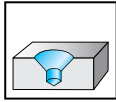
●● Основная область применения
● Возможная область применения  
 Оптимально подходит для → хороших = 😊 → нормальных = 😐 → неблагоприятных = ☹️ условий обработки



# Свёрла центровочные быстрорежущие K1911



- Для обработки отверстий с прямолинейной образующей по DIN 332 A
- Форма А



|              |    |    |    |    |    |   |    |
|--------------|----|----|----|----|----|---|----|
|              | P  | M  | K  | N  | S  | H | O  |
| без покрытия | ●● | ●● | ●● | ●● | ●● |   | ●● |

B1

| Инструмент            |  | Обозначение | Размер | D <sub>c</sub><br>k12<br>mm | D <sub>c</sub> Inch/Nr | l <sub>1</sub><br>mm | d <sub>1</sub><br>h9<br>mm |
|-----------------------|--|-------------|--------|-----------------------------|------------------------|----------------------|----------------------------|
| <br>Cylindrical shank |  | K1911-BS1   | B.S. 1 | 1,191                       | 1/8"                   | 38,1                 | 3,175                      |
|                       |  | K1911-BS2   | B.S. 2 | 1,588                       | 3/16"                  | 44,5                 | 4,763                      |
|                       |  | K1911-BS3   | B.S. 3 | 2,381                       | 1/4"                   | 50,8                 | 6,35                       |
|                       |  | K1911-BS4   | B.S. 4 | 3,175                       | 5/16"                  | 57,2                 | 7,938                      |
|                       |  | K1911-BS5   | B.S. 5 | 4,763                       | 7/16"                  | 63,5                 | 11,113                     |
|                       |  | K1911-BS6   | B.S. 6 | 6,35                        | 5/8"                   | 76,2                 | 15,875                     |
|                       |  | K1911-BS7   | B.S. 7 | 7,938                       | 3/4"                   | 88,9                 | 19,05                      |

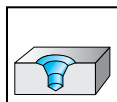
**WALTER  
SELECT**

●● Основная область применения    ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

# Свёрла центровочные быстрорежущие K1215



– Форма В


 DIN  
333


120°/60°

|              |    |    |    |    |    |   |    |
|--------------|----|----|----|----|----|---|----|
|              | P  | M  | K  | N  | S  | H | O  |
| без покрытия | ●● | ●● | ●● | ●● | ●● |   | ●● |

B1

| Инструмент               |             | $D_c$<br>k12<br>mm | $l_1$<br>mm | $d_1$<br>h9<br>mm |
|--------------------------|-------------|--------------------|-------------|-------------------|
| <p>Cylindrical shank</p> | Обозначение |                    |             |                   |
|                          | K1215-1     | 1                  | 31,5        | 4                 |
|                          | K1215-1.25  | 1,25               | 31,5        | 5                 |
|                          | K1215-1.6   | 1,6                | 35,5        | 6,3               |
|                          | K1215-2     | 2                  | 40          | 8                 |
|                          | K1215-2.5   | 2,5                | 45          | 10                |
|                          | K1215-3.15  | 3,15               | 50          | 11,2              |
|                          | K1215-4     | 4                  | 56          | 14                |
|                          | K1215-5     | 5                  | 63          | 18                |
|                          | K1215-6.3   | 6,3                | 71          | 20                |
|                          | K1215-8     | 8                  | 80          | 25                |
| K1215-10                 | 10          | 100                | 31,5        |                   |

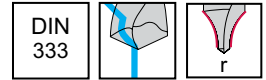
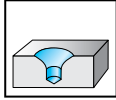
**WALTER  
SELECT**

●● Основная область применения    ● Возможная область применения  
 Оптимально подходит для → хороших = 😊 → нормальных = 😐 → неблагоприятных = ☹️ условий обработки

## Свёрла центровочные быстрорежущие K1113TIN / K1113



– Форма R



|              | P  | M  | K  | N  | S  | H | O  |
|--------------|----|----|----|----|----|---|----|
| TIN          | ●● | ●● | ●● | ●● | ●● |   | ●● |
| без покрытия | ●● | ●● | ●● | ●● | ●● |   | ●● |

B1

| Инструмент               | Обозначение   | D <sub>c</sub><br>k12<br>mm | l <sub>1</sub><br>mm | d <sub>1</sub><br>h9<br>mm |
|--------------------------|---------------|-----------------------------|----------------------|----------------------------|
| <p>Cylindrical shank</p> | K1113TIN-1    | 1                           | 31,5                 | 3,15                       |
|                          | K1113TIN-1.25 | 1,25                        | 31,5                 | 3,15                       |
|                          | K1113TIN-1.6  | 1,6                         | 35,5                 | 4                          |
|                          | K1113TIN-2    | 2                           | 40                   | 5                          |
|                          | K1113TIN-2.5  | 2,5                         | 45                   | 6,3                        |
|                          | K1113TIN-3.15 | 3,15                        | 50                   | 8                          |
|                          | K1113TIN-4    | 4                           | 56                   | 10                         |
|                          | K1113TIN-5    | 5                           | 63                   | 12,5                       |
|                          | K1113-0.5     | 0,5                         | 25                   | 3,15                       |
|                          | K1113-0.8     | 0,8                         | 25                   | 3,15                       |
|                          | K1113-1       | 1                           | 31,5                 | 3,15                       |
|                          | K1113-1.25    | 1,25                        | 31,5                 | 3,15                       |
|                          | K1113-1.6     | 1,6                         | 35,5                 | 4                          |
|                          | K1113-2       | 2                           | 40                   | 5                          |
|                          | K1113-2.5     | 2,5                         | 45                   | 6,3                        |
|                          | K1113-3.15    | 3,15                        | 50                   | 8                          |
|                          | K1113-4       | 4                           | 56                   | 10                         |
|                          | K1113-5       | 5                           | 63                   | 12,5                       |
|                          | K1113-6.3     | 6,3                         | 71                   | 16                         |
|                          | K1113-8       | 8                           | 80                   | 20                         |
| K1113-10                 | 10            | 100                         | 25                   |                            |

Исключение: свёрла D<sub>c</sub> 0,5/0,8 мм, односторонние
**WALTER  
SELECT**

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = 😊 → нормальных = 😐 → неблагоприятных = ☹️ условий обработки

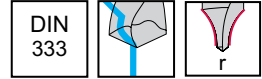
☹️ ☹️ ☹️ / ★ = Новый инструмент

Свёрла центровочные твердосплавные и быстрорежущие В 459

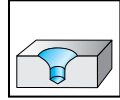
# Свёрла центровочные быстрорежущие K1114



– Форма R с лыской



DIN  
333



B1

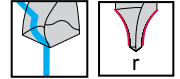
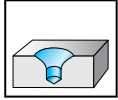
|              |    |    |    |    |    |   |    |
|--------------|----|----|----|----|----|---|----|
|              | P  | M  | K  | N  | S  | H | O  |
| без покрытия | ●● | ●● | ●● | ●● | ●● |   | ●● |

| Инструмент                         | Обозначение | D <sub>c</sub><br>k12<br>mm | l <sub>1</sub><br>mm | d <sub>1</sub><br>h9<br>mm |
|------------------------------------|-------------|-----------------------------|----------------------|----------------------------|
| <p>Cylindrical shank with flat</p> | K1114-2     | 2                           | 40                   | 5                          |
|                                    | K1114-2.5   | 2,5                         | 45                   | 6,3                        |
|                                    | K1114-3.15  | 3,15                        | 50                   | 8                          |
|                                    | K1114-4     | 4                           | 56                   | 10                         |
|                                    | K1114-5     | 5                           | 63                   | 12,5                       |

# Свёрла центровочные быстрорежущие K1313



– Форма R



|              |    |    |    |    |    |   |    |
|--------------|----|----|----|----|----|---|----|
|              | P  | M  | K  | N  | S  | H | O  |
| без покрытия | ●● | ●● | ●● | ●● | ●● |   | ●● |

## Инструмент

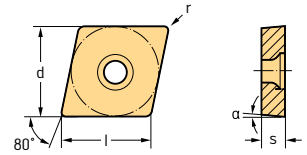
| Инструмент               | Обозначение | D <sub>c</sub><br>k12<br>mm | l <sub>1</sub><br>mm | d <sub>1</sub><br>h9<br>mm |
|--------------------------|-------------|-----------------------------|----------------------|----------------------------|
| <p>Cylindrical shank</p> | K1313-1     | 1                           | 31,5                 | 4                          |
|                          | K1313-1.5   | 1,5                         | 40                   | 5                          |
|                          | K1313-2     | 2                           | 45                   | 6                          |
|                          | K1313-2.5   | 2,5                         | 50                   | 8                          |
|                          | K1313-3     | 3                           | 56                   | 10                         |
|                          | K1313-4     | 4                           | 66                   | 12                         |

B1

# Токарные пластины Пластины с задними углами 80°

## CCGT / CCMT

### Tiger-tec® Gold



#### Пластины

| Обозначение     | l mm | r mm | r mm | P      |        |       |        |        |       | M      |       |        |       |        | K      |        |        |        | N     |       | S      |      |      |       |
|-----------------|------|------|------|--------|--------|-------|--------|--------|-------|--------|-------|--------|-------|--------|--------|--------|--------|--------|-------|-------|--------|------|------|-------|
|                 |      |      |      | HC     |        |       |        |        |       | HC     |       |        |       |        | HC     |        |        |        | HC    | HW    | HC     |      |      |       |
|                 |      |      |      | WKP01G | WPP10G | WXM15 | WPP20S | WMP20S | WTP35 | WEP10C | WSM01 | WSM10S | WXM15 | WMP20S | WSM20S | WSM30S | WKP01G | WKK10S | WAK15 | WXM15 | WKK20S | WN10 | WN10 | WSM01 |
| CCGT060202-X5   | 6,45 | 0,2  |      |        | ☺      |       | ☹      |        |       | ☺      |       |        |       |        |        | ☺      | ☺      |        |       |       |        |      |      |       |
| CCGT060204-X5   | 6,45 | 0,4  |      |        | ☺      |       | ☹      |        |       | ☺      |       |        |       |        |        | ☺      | ☺      |        |       |       |        |      |      |       |
| CCGT060202-X15  | 6,45 | 0,2  |      |        | ☺      |       | ☹      |        |       | ☺      |       |        |       |        |        | ☺      | ☺      |        |       |       |        |      |      |       |
| CCGT060204-X15  | 6,45 | 0,4  |      |        | ☺      |       | ☹      |        |       | ☺      |       |        |       |        |        | ☺      | ☺      |        |       |       |        |      |      |       |
| CCGT060201-FN2  | 6,45 |      | 0,1  |        |        |       |        |        |       |        |       |        |       |        |        |        |        |        | ☹     |       |        |      |      |       |
| CCGT060202-FN2  | 6,45 |      | 0,2  |        |        |       |        |        |       |        |       |        |       |        |        |        |        |        | ☹     | ☺     |        |      |      |       |
| CCGT060204-FN2  | 6,45 |      | 0,4  |        |        |       |        |        |       |        |       |        |       |        |        |        |        |        | ☹     | ☺     |        |      |      |       |
| CCGT09T301-FN2  | 9,67 |      | 0,1  |        |        |       |        |        |       |        |       |        |       |        |        |        |        |        | ☹     |       |        |      |      |       |
| CCGT09T302-FN2  | 9,67 |      | 0,2  |        |        |       |        |        |       |        |       |        |       |        |        |        |        |        | ☹     | ☺     |        |      |      |       |
| CCGT09T304-FN2  | 9,67 |      | 0,4  |        |        |       |        |        |       |        |       |        |       |        |        |        |        |        | ☹     | ☺     |        |      |      |       |
| CCGT09T308-FN2  | 9,67 |      | 0,8  |        |        |       |        |        |       |        |       |        |       |        |        |        |        |        | ☹     | ☺     |        |      |      |       |
| CCGT120404-FN2  | 12,9 |      | 0,4  |        |        |       |        |        |       |        |       |        |       |        |        |        |        |        | ☹     | ☺     |        |      |      |       |
| CCGT120408-FN2  | 12,9 |      | 0,8  |        |        |       |        |        |       |        |       |        |       |        |        |        |        |        | ☹     | ☺     |        |      |      |       |
| CCGT060201-FM2  | 6,45 |      | 0,1  |        |        |       |        |        |       |        |       | ☹      |       |        |        |        |        |        |       |       |        |      | ☹    |       |
| CCGT060202-FM2  | 6,45 |      | 0,2  |        |        |       |        |        | ☺     |        |       | ☹      |       |        |        |        |        |        |       |       |        | ☺    | ☹    | ☹     |
| CCGT060204-FM2  | 6,45 |      | 0,4  |        |        |       |        |        | ☺     |        |       | ☹      |       |        |        |        |        |        |       |       |        | ☺    | ☹    | ☹     |
| CCGT09T301-FM2  | 9,67 |      | 0,1  |        |        |       |        |        |       |        |       | ☹      |       |        |        |        |        |        |       |       |        | ☺    | ☹    | ☹     |
| CCGT09T302-FM2  | 9,67 |      | 0,2  |        |        |       |        |        | ☺     |        |       | ☹      |       |        |        |        |        |        |       |       |        | ☺    | ☹    | ☹     |
| CCGT09T304-FM2  | 9,67 |      | 0,4  |        |        |       |        |        | ☺     | ☺      |       | ☹      |       |        |        |        |        |        |       |       |        | ☺    | ☹    | ☹     |
| CCGT09T308-FM2  | 9,67 |      | 0,8  |        |        |       |        |        | ☺     | ☺      |       | ☹      |       |        |        |        |        |        |       |       |        | ☺    | ☹    | ☹     |
| CCGT120404-FM2  | 12,9 |      | 0,4  |        |        |       |        |        |       |        |       | ☹      |       |        |        |        |        |        |       |       |        | ☺    | ☹    | ☹     |
| CCGT120408-FM2  | 12,9 |      | 0,8  |        |        |       |        |        |       |        |       | ☹      |       |        |        |        |        |        |       |       |        | ☺    | ☹    | ☹     |
| CCGT060201M-FP2 | 6,45 |      | 0,07 |        |        |       |        |        | ☺     |        |       |        |       |        |        |        |        |        |       |       |        |      |      |       |
| CCGT060202M-FP2 | 6,45 |      | 0,17 |        |        |       |        |        | ☺     |        |       |        |       |        |        |        |        |        |       |       |        |      |      |       |
| CCGT060204M-FP2 | 6,45 |      | 0,37 |        |        |       |        |        | ☺     |        |       |        |       |        |        |        |        |        |       |       |        |      |      |       |
| CCGT09T301M-FP2 | 9,67 |      | 0,07 |        |        |       |        |        | ☺     |        |       |        |       |        |        |        |        |        |       |       |        |      |      |       |
| CCGT09T302M-FP2 | 9,67 |      | 0,17 |        |        |       |        |        | ☺     |        |       |        |       |        |        |        |        |        |       |       |        |      |      |       |
| CCGT09T304M-FP2 | 9,67 |      | 0,37 |        |        |       |        |        | ☺     |        |       |        |       |        |        |        |        |        |       |       |        |      |      |       |
| CCGT09T308M-FP2 | 9,67 |      | 0,77 |        |        |       |        |        | ☺     |        |       |        |       |        |        |        |        |        |       |       |        |      |      |       |
| CCMT060202-FP4  | 6,45 |      | 0,2  | ☺      | ☺      |       | ☹      |        | ☺     |        |       |        |       | ☺      |        |        |        |        |       |       |        |      |      |       |
| CCMT060204-FP4  | 6,45 |      | 0,4  | ☺      | ☺      |       | ☹      |        | ☺     |        |       |        |       | ☺      |        |        |        |        |       |       |        |      |      |       |
| CCMT060208-FP4  | 6,45 |      | 0,8  | ☺      | ☺      |       | ☹      |        | ☺     |        |       |        |       | ☺      |        |        |        |        |       |       |        |      |      |       |
| CCMT09T302-FP4  | 9,67 |      | 0,2  | ☺      | ☺      |       | ☹      |        | ☺     |        |       |        |       | ☺      |        |        |        |        |       |       |        |      |      |       |
| CCMT09T304-FP4  | 9,67 |      | 0,4  | ☺      | ☺      |       | ☹      |        | ☺     |        |       |        |       | ☺      |        |        |        |        |       |       |        |      |      |       |
| CCMT09T308-FP4  | 9,67 |      | 0,8  | ☺      | ☺      |       | ☹      |        | ☺     |        |       |        |       | ☺      |        |        |        |        |       |       |        |      |      |       |
| CCMT120404-FP4  | 12,9 |      | 0,4  | ☺      | ☺      |       | ☹      |        | ☺     |        |       |        |       | ☺      |        |        |        |        |       |       |        |      |      |       |
| CCMT120408-FP4  | 12,9 |      | 0,8  | ☺      | ☺      |       | ☹      |        | ☺     |        |       |        |       | ☺      |        |        |        |        |       |       |        |      |      |       |
| CCGT060201-MN2  | 6,45 |      | 0,1  |        |        |       |        |        |       |        |       |        |       |        |        |        |        |        | ☹     | ☺     |        |      |      |       |
| CCGT060202-MN2  | 6,45 |      | 0,2  |        |        |       |        |        | ☺     |        |       |        |       |        |        |        |        |        | ☹     | ☺     | ☹      |      |      |       |
| CCGT060204-MN2  | 6,45 |      | 0,4  |        |        |       |        |        | ☺     |        |       |        |       |        |        |        |        |        | ☹     | ☺     | ☹      |      |      |       |
| CCGT09T301-MN2  | 9,67 |      | 0,1  |        |        |       |        |        |       |        |       |        |       |        |        |        |        |        | ☹     | ☺     |        |      |      |       |
| CCGT09T302-MN2  | 9,67 |      | 0,2  |        |        |       |        |        | ☺     |        |       |        |       |        |        |        |        |        | ☹     | ☺     | ☹      |      |      |       |
| CCGT09T304-MN2  | 9,67 |      | 0,4  |        |        |       |        |        | ☺     |        |       |        |       |        |        |        |        |        | ☹     | ☺     | ☹      |      |      |       |

Размеры пластин см. в разделе «Система обозначений по ISO 1832»  
 Пример заказа инструмента из сплава WAK15: CCGT060202-X5 WAK15

HC = твёрдый сплав с покрытием  
 HE = кермет с покрытием  
 HW = твёрдый сплав без покрытия



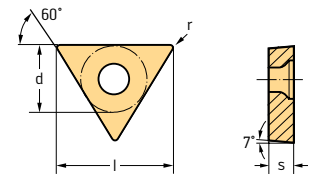




# Токарные пластины Пластины с задними углами 60°

## TCGT / TCMT

### Tiger-tec® Gold



#### Пластины

| Обозначение     | l<br>mm | r<br>mm | P      |        |        | M      |        |       |        |        | K      | N     |        | S      |       |      |       |        |        |       |
|-----------------|---------|---------|--------|--------|--------|--------|--------|-------|--------|--------|--------|-------|--------|--------|-------|------|-------|--------|--------|-------|
|                 |         |         | HC     |        |        | HC     |        |       |        |        | HC     | HC    | HW     | HC     |       |      |       |        |        |       |
|                 |         |         | WKP01G | WPP10G | WPP20G | WMP20S | WEP10C | WSM01 | WSM10S | WMP20S | WSM20S | WSM21 | WSM30S | WKP01G | WNN10 | WN10 | WSM01 | WSM10S | WSM20S | WSM21 |
| TCGT06T101-FN2  | 6,87    | 0,1     |        |        |        |        |        |       |        |        |        | ☉     |        |        |       |      |       |        |        |       |
| TCGT06T102-FN2  | 6,87    | 0,2     |        |        |        |        |        |       |        |        |        | ☉     |        |        |       |      |       |        |        |       |
| TCGT06T104-FN2  | 6,87    | 0,4     |        |        |        |        |        |       |        |        |        | ☉     | ☉      |        |       |      |       |        |        |       |
| TCGT090202-FN2  | 9,62    | 0,2     |        |        |        |        |        |       |        |        |        | ☉     |        |        |       |      |       |        |        |       |
| TCGT090204-FN2  | 9,62    | 0,4     |        |        |        |        |        |       |        |        |        | ☉     | ☉      |        |       |      |       |        |        |       |
| TCGT110202-FN2  | 11      | 0,2     |        |        |        |        |        |       |        |        |        | ☉     |        |        |       |      |       |        |        |       |
| TCGT110204-FN2  | 11      | 0,4     |        |        |        |        |        |       |        |        |        | ☉     | ☉      |        |       |      |       |        |        |       |
| TCGT16T304-FN2  | 16,5    | 0,4     |        |        |        |        |        |       |        |        |        | ☉     | ☉      |        |       |      |       |        |        |       |
| TCGT16T308-FN2  | 16,5    | 0,8     |        |        |        |        |        |       |        |        |        | ☉     | ☉      |        |       |      |       |        |        |       |
| TCGT06T101-FM2  | 6,87    | 0,1     |        |        |        |        |        |       |        |        |        |       |        |        |       |      |       |        |        | ☉     |
| TCGT06T102-FM2  | 6,87    | 0,2     |        |        |        |        |        |       |        |        |        |       |        |        |       |      |       |        |        | ☉     |
| TCGT06T104-FM2  | 6,87    | 0,4     |        |        |        |        |        |       |        |        |        |       |        |        |       |      |       |        |        | ☉     |
| TCGT090202-FM2  | 9,62    | 0,2     |        |        |        |        |        |       |        |        |        |       |        |        |       |      |       |        |        | ☉     |
| TCGT090204-FM2  | 9,62    | 0,4     |        |        |        |        |        |       |        |        |        |       |        |        |       |      |       |        |        | ☉     |
| TCGT110201-FM2  | 11      | 0,1     |        |        |        |        |        |       |        |        |        |       |        |        |       |      |       |        |        | ☉     |
| TCGT110202-FM2  | 11      | 0,2     |        |        |        |        |        |       |        |        |        |       |        |        |       |      |       |        |        | ☉     |
| TCGT110204-FM2  | 11      | 0,4     |        |        |        |        |        |       |        |        |        |       |        |        |       |      |       |        |        | ☉     |
| TCGT16T302-FM2  | 16,5    | 0,2     |        |        |        |        |        |       |        |        |        |       |        |        |       |      |       |        |        | ☉     |
| TCGT16T304-FM2  | 16,5    | 0,4     |        |        |        |        |        |       |        |        |        |       |        |        |       |      |       |        |        | ☉     |
| TCGT16T308-FM2  | 16,5    | 0,8     |        |        |        |        |        |       |        |        |        |       |        |        |       |      |       |        |        | ☉     |
| TCMT06T102-FM4  | 6,87    | 0,2     |        |        |        |        |        |       |        |        |        |       |        |        |       |      |       |        |        | ☉     |
| TCMT06T104-FM4  | 6,87    | 0,4     |        |        |        |        |        |       |        |        |        |       |        |        |       |      |       |        |        | ☉     |
| TCMT090202-FM4  | 9,62    | 0,2     |        |        |        |        |        |       |        |        |        |       |        |        |       |      |       |        |        | ☉     |
| TCMT090204-FM4  | 9,62    | 0,4     |        |        |        |        |        |       |        |        |        |       |        |        |       |      |       |        |        | ☉     |
| TCMT090208-FM4  | 9,62    | 0,8     |        |        |        |        |        |       |        |        |        |       |        |        |       |      |       |        |        | ☉     |
| TCMT110202-FM4  | 11      | 0,2     |        |        |        |        |        |       |        |        |        |       |        |        |       |      |       |        |        | ☉     |
| TCMT110204-FM4  | 11      | 0,4     |        |        |        |        |        |       |        |        |        |       |        |        |       |      |       |        |        | ☉     |
| TCMT110208-FM4  | 11      | 0,8     |        |        |        |        |        |       |        |        |        |       |        |        |       |      |       |        |        | ☉     |
| TCMT16T302-FM4  | 16,5    | 0,2     |        |        |        |        |        |       |        |        |        |       |        |        |       |      |       |        |        | ☉     |
| TCMT16T304-FM4  | 16,5    | 0,4     |        |        |        |        |        |       |        |        |        |       |        |        |       |      |       |        |        | ☉     |
| TCMT16T308-FM4  | 16,5    | 0,8     |        |        |        |        |        |       |        |        |        |       |        |        |       |      |       |        |        | ☉     |
| TCGT06T104M-FP2 | 6,87    | 0,37    |        |        |        |        |        |       |        |        |        |       |        |        |       |      |       |        |        | ☉     |
| TCGT090204M-FP2 | 9,62    | 0,37    |        |        |        |        |        |       |        |        |        |       |        |        |       |      |       |        |        | ☉     |
| TCGT110202M-FP2 | 11      | 0,17    |        |        |        |        |        |       |        |        |        |       |        |        |       |      |       |        |        | ☉     |
| TCGT110204M-FP2 | 11      | 0,37    |        |        |        |        |        |       |        |        |        |       |        |        |       |      |       |        |        | ☉     |
| TCMT06T102-FP4  | 6,87    | 0,2     |        |        |        |        |        |       |        |        |        |       |        |        |       |      |       |        |        | ☉     |
| TCMT06T104-FP4  | 6,87    | 0,4     |        |        |        |        |        |       |        |        |        |       |        |        |       |      |       |        |        | ☉     |
| TCMT090202-FP4  | 9,62    | 0,2     |        |        |        |        |        |       |        |        |        |       |        |        |       |      |       |        |        | ☉     |
| TCMT090204-FP4  | 9,62    | 0,4     | ☉      | ☉      | ☉      | ☉      | ☉      |       |        |        |        | ☉     |        |        |       |      |       |        |        | ☉     |
| TCMT090208-FP4  | 9,62    | 0,8     |        |        |        |        |        |       |        |        |        |       |        |        |       |      |       |        |        | ☉     |
| TCMT110202-FP4  | 11      | 0,2     |        |        |        |        |        |       |        |        |        |       |        |        |       |      |       |        |        | ☉     |
| TCMT110204-FP4  | 11      | 0,4     | ☉      | ☉      | ☉      | ☉      | ☉      |       |        |        |        | ☉     |        |        |       |      |       |        |        | ☉     |
| TCMT110208-FP4  | 11      | 0,8     | ☉      | ☉      | ☉      | ☉      | ☉      |       |        |        |        | ☉     |        |        |       |      |       |        |        | ☉     |

Размеры пластин см. в разделе «Система обозначений по ISO 1832»  
 Пример заказа инструмента из сплава WNN10: TCGT06T101-FN2 WNN10

HC = твёрдый сплав с покрытием  
 HE = кермет с покрытием  
 HW = твёрдый сплав без покрытия

#### WALTER SELECT

Оптимальная пластина для → хороших = ☉ → нормальных = ☉ → неблагоприятных = ☉ условий обработки

☉ ☉ ☉ / \* = Новый инструмент

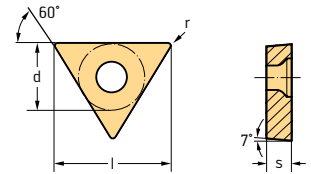
Пластины для чернового и чистового растачивания В 465

B2

## Токарные пластины Пластины с задними углами 60°

### TCGT / TCMT

### Tiger-tec® Gold



#### Пластины

| Обозначение | l<br>mm        | r<br>mm | P      |        |        |        |        | M     |        |        |        |       | K      |        |       | N    |       | S      |        |       |        |  |
|-------------|----------------|---------|--------|--------|--------|--------|--------|-------|--------|--------|--------|-------|--------|--------|-------|------|-------|--------|--------|-------|--------|--|
|             |                |         | HC     | HE     | HC     | HC     | HE     | HC    | HC     | HW     | HC     | HC    | HW     | HC     | HC    | HC   |       |        |        |       |        |  |
|             |                |         | WKP10G | WPP10G | WPP20G | WMP20S | WEP10C | WSM01 | WSM10S | WMP20S | WSM20S | WSM21 | WSM30S | WKP10G | WNN10 | WN10 | WSM01 | WSM10S | WSM20S | WSM21 | WSM30S |  |
|             | TCMT16T302-FP4 | 16,5    | 0,2    |        |        |        |        |       |        |        |        |       |        |        |       |      |       |        |        |       |        |  |
|             | TCMT16T304-FP4 | 16,5    | 0,4    | ☺      | ☺      | ☺      |        |       |        |        |        |       | ☺      |        |       |      |       |        |        |       |        |  |
|             | TCMT16T308-FP4 | 16,5    | 0,8    | ☺      | ☺      | ☺      | ☺      |       |        |        |        |       |        |        |       |      |       |        |        |       |        |  |
|             | TCMT110204-FP6 | 11      | 0,4    |        |        | ☺      |        |       |        |        |        |       |        |        |       |      |       |        |        |       |        |  |
|             | TCMT110208-FP6 | 11      | 0,8    |        |        | ☺      |        |       |        |        |        |       |        |        |       |      |       |        |        |       |        |  |
|             | TCMT16T304-FP6 | 16,5    | 0,4    |        |        | ☺      |        |       |        |        |        |       |        |        |       |      |       |        |        |       |        |  |
|             | TCMT16T308-FP6 | 16,5    | 0,8    |        |        | ☺      |        |       |        |        |        |       |        |        |       |      |       |        |        |       |        |  |
|             | TCGT110201-MN2 | 11      | 0,1    |        |        |        |        |       |        |        |        |       |        | ☺      |       |      |       |        |        |       |        |  |
|             | TCGT110202-MN2 | 11      | 0,2    |        |        |        |        |       |        |        |        |       |        | ☺      | ☺     |      |       |        |        |       |        |  |
|             | TCGT110204-MN2 | 11      | 0,4    |        |        |        |        |       |        |        |        |       |        | ☺      | ☺     | ☺    |       |        |        |       |        |  |
|             | TCGT16T302-MN2 | 16,5    | 0,2    |        |        |        |        |       |        |        |        |       |        | ☺      | ☺     | ☺    |       |        |        |       |        |  |
|             | TCGT16T304-MN2 | 16,5    | 0,4    |        |        |        |        |       |        |        |        |       |        | ☺      | ☺     | ☺    |       |        |        |       |        |  |
|             | TCGT16T308-MN2 | 16,5    | 0,8    |        |        |        |        |       |        |        |        |       |        | ☺      | ☺     | ☺    |       |        |        |       |        |  |

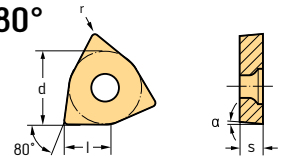
Размеры пластин см. в разделе «Система обозначений по ISO 1832»  
 Пример заказа инструмента из сплава WNN10: TCGT06T101-FN2 WNN10

HC = твёрдый сплав с покрытием  
 HE = кермет с покрытием  
 HW = твёрдый сплав без покрытия

## Токарные пластины Пластины треугольные с задними углами 80°

### WCGT / WCMT / WCMW

### Tiger-tec® Gold



#### Пластины

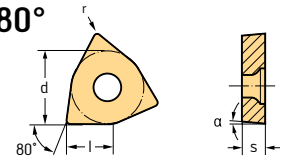
| Обозначение | Кол-во режущих кромок | l<br>mm | r<br>mm | r<br>mm | P      |       |        |       | M     |        |       | K      |       | N     |       |       |     | S     |        | H     |        |       |       |  |
|-------------|-----------------------|---------|---------|---------|--------|-------|--------|-------|-------|--------|-------|--------|-------|-------|-------|-------|-----|-------|--------|-------|--------|-------|-------|--|
|             |                       |         |         |         | HC     | HC    | HC     | HC    | BH    | HC     | HW    | DP     | HC    | HC    | BH    | BH    |     |       |        |       |        |       |       |  |
|             |                       |         |         |         | WPP10G | WXM15 | WPP20G | WTP35 | WXM15 | WSM20S | WSM21 | WSM30S | WAK15 | WXM15 | WCB80 | WNN10 | WK1 | WCD10 | WSM20S | WSM21 | WSM30S | WCB50 | WCB80 |  |
|             | WCGT020102-X5         |         | 2,7     | 0,2     |        |       |        |       |       |        |       |        |       |       |       |       |     |       |        |       |        |       |       |  |
|             | WCGT020104-X5         |         | 2,7     | 0,4     |        | ☺     | ☺      | ☺     |       |        |       |        | ☺     | ☺     |       | ☺     |     |       |        |       |        |       |       |  |
|             | WCGT030202-X5         |         | 3,5     | 0,2     |        | ☺     | ☺      | ☺     |       |        |       |        | ☺     | ☺     |       |       |     |       |        |       |        |       |       |  |
|             | WCGT030204-X5         |         | 3,5     | 0,4     |        | ☺     | ☺      | ☺     |       |        |       |        | ☺     | ☺     |       |       |     |       |        |       |        |       |       |  |
|             | WCGT040202-X5         |         | 4,3     | 0,2     |        |       |        | ☺     |       |        |       |        |       | ☺     |       |       |     |       |        |       |        |       |       |  |
|             | WCGT040204-X5         |         | 4,3     | 0,4     |        | ☺     | ☺      | ☺     |       |        |       |        | ☺     | ☺     |       |       |     |       |        |       |        |       |       |  |
|             | WCGT050304-X5         |         | 5,43    | 0,4     |        | ☺     | ☺      | ☺     |       |        |       |        | ☺     | ☺     |       |       |     |       |        |       |        |       |       |  |

Размеры пластин см. в разделе «Система обозначений по ISO 1832»  
 Пример заказа инструмента из сплава WAK15: WCGT020102-X5 WAK15

HC = твёрдый сплав с покрытием  
 BH = сплав с высоким содержанием CBN  
 HW = твёрдый сплав без покрытия  
 DP = поликристаллический алмаз

# Токарные пластины Пластины треугольные с задними углами 80° WCGT / WCMT / WCMW

**Tiger-tec®  
Gold**



## Пластины

| Обозначение    | Кол-во режущих кромок | l mm | r mm | r mm | P      |       |        |       | M     |        |       | K      |       | N     |       |       | S   |       |        | H     |        |
|----------------|-----------------------|------|------|------|--------|-------|--------|-------|-------|--------|-------|--------|-------|-------|-------|-------|-----|-------|--------|-------|--------|
|                |                       |      |      |      | HC     |       |        |       | HC    |        |       | HC     | BH    | HC    | HW    | DP    | HC  |       |        | BH    |        |
|                |                       |      |      |      | WPP10G | WXM15 | WPP20G | WTP35 | WXM15 | WSM20S | WSM21 | WSM30S | WAK15 | WXM15 | WCB80 | WNN10 | WK1 | WCD10 | WSM20S | WSM21 | WSM30S |
| WCGT020102-X15 |                       | 2,7  | 0,2  |      | ☺      | ☺     | ☺      | ☺     |       |        |       |        | ☺     | ☺     |       |       |     |       |        |       |        |
| WCGT020104-X15 |                       | 2,7  | 0,4  |      | ☺      | ☺     | ☺      | ☺     |       |        |       |        | ☺     | ☺     |       |       |     |       |        |       |        |
| WCGT030202-X15 |                       | 3,5  | 0,2  |      | ☺      | ☺     | ☺      | ☺     |       |        |       |        | ☺     | ☺     |       |       |     |       |        |       |        |
| WCGT030204-X15 |                       | 3,5  | 0,4  |      | ☺      | ☺     | ☺      | ☺     |       |        |       |        | ☺     | ☺     |       |       |     |       |        |       |        |
| WCGT040202-X15 |                       | 4,3  | 0,2  |      | ☺      | ☺     | ☺      | ☺     |       |        |       |        | ☺     | ☺     |       |       |     |       |        |       |        |
| WCGT040204-X15 |                       | 4,3  | 0,4  |      | ☺      | ☺     | ☺      | ☺     |       |        |       |        | ☺     | ☺     |       |       |     |       |        |       |        |
| WCGT050304-X15 |                       | 5,43 | 0,4  |      | ☺      | ☺     | ☺      | ☺     |       |        |       |        | ☺     | ☺     |       |       |     |       |        |       |        |
| WCGT020102-X25 |                       | 2,7  | 0,2  |      |        |       |        |       |       |        |       |        |       | ☺     |       |       |     |       |        |       |        |
| WCGT030202-X25 |                       | 3,5  | 0,2  |      |        |       |        |       |       |        |       |        |       | ☺     |       |       |     |       |        |       |        |
| WCGT030204-X25 |                       | 3,5  | 0,4  |      |        |       |        |       |       |        |       |        |       | ☺     |       |       |     |       |        |       |        |
| WCGT040204-X25 |                       | 4,3  | 0,4  |      |        |       |        |       |       |        |       |        |       | ☺     |       |       |     |       |        |       |        |
| WCGT050304-X25 |                       | 5,43 | 0,4  |      |        |       |        |       |       |        |       |        |       | ☺     |       |       |     |       |        |       |        |
| WCGT020102-FN2 |                       | 2,7  | 0,2  | 0,2  |        |       |        |       |       |        |       |        |       | ☺     |       |       |     |       |        |       |        |
| WCGT020104-FN2 |                       | 2,7  | 0,4  | 0,4  |        |       |        |       |       |        |       |        |       | ☺     |       |       |     |       |        |       |        |
| WCGT030202-FN2 |                       | 3,91 | 0,2  | 0,2  |        |       |        |       |       |        |       |        |       | ☺     |       |       |     |       |        |       |        |
| WCGT030204-FN2 |                       | 3,91 | 0,4  | 0,4  |        |       |        |       |       |        |       |        |       | ☺     |       |       |     |       |        |       |        |
| WCGT040202-FN2 |                       | 4,34 | 0,2  | 0,2  |        |       |        |       |       |        |       |        |       | ☺     |       |       |     |       |        |       |        |
| WCGT040204-FN2 |                       | 4,34 | 0,4  | 0,4  |        |       |        |       |       |        |       |        |       | ☺     |       |       |     |       |        |       |        |
| WCGT06T304-FN2 |                       | 6,52 | 0,4  | 0,4  |        |       |        |       |       |        |       |        |       | ☺     |       |       |     |       |        |       |        |
| WCGT06T308-FN2 |                       | 6,52 | 0,8  | 0,8  |        |       |        |       |       |        |       |        |       | ☺     |       |       |     |       |        |       |        |
| WCGT030202-FM2 |                       | 3,91 | 0,2  | 0,2  |        |       |        |       | ☺     |        |       |        |       |       |       |       |     | ☺     |        |       |        |
| WCGT030204-FM2 |                       | 3,91 | 0,4  | 0,4  |        |       |        |       | ☺     |        |       |        |       |       |       |       |     | ☺     |        |       |        |
| WCGT040202-FM2 |                       | 4,34 | 0,2  | 0,2  |        |       |        |       | ☺     |        |       |        |       |       |       |       |     | ☺     |        |       |        |
| WCGT040204-FM2 |                       | 4,34 | 0,4  | 0,4  |        |       |        |       | ☺     |        |       |        |       |       |       |       |     | ☺     |        |       |        |
| WCMT040202-FM4 |                       | 4,34 | 0,2  | 0,2  |        |       |        |       | ☺     | ☺      |       |        |       |       |       |       |     | ☺     | ☺      |       |        |
| WCMT040204-FM4 |                       | 4,34 | 0,4  | 0,4  |        |       |        |       | ☺     | ☺      |       |        |       |       |       |       |     | ☺     | ☺      |       |        |
| WCMT06T304-FM4 |                       | 6,52 | 0,4  | 0,4  |        |       |        |       | ☺     | ☺      |       |        |       |       |       |       |     | ☺     | ☺      |       |        |
| WCMT06T308-FM4 |                       | 6,52 | 0,8  | 0,8  |        |       |        |       | ☺     | ☺      |       |        |       |       |       |       |     | ☺     | ☺      |       |        |
| WCMT040202-FP4 |                       | 4,34 | 0,2  | 0,2  | ☺      | ☺     |        |       |       |        |       |        |       |       |       |       |     |       |        |       |        |
| WCMT040204-FP4 |                       | 4,34 | 0,4  | 0,4  | ☺      | ☺     |        |       |       |        |       |        |       |       |       |       |     |       |        |       |        |
| WCMT040208-FP4 |                       | 4,34 | 0,8  | 0,8  | ☺      | ☺     |        |       |       |        |       |        |       |       |       |       |     |       |        |       |        |
| WCMT06T302-FP4 |                       | 6,52 | 0,2  | 0,2  | ☺      | ☺     |        |       |       |        |       |        |       |       |       |       |     |       |        |       |        |
| WCMT06T304-FP4 |                       | 6,52 | 0,4  | 0,4  | ☺      | ☺     |        |       |       |        |       |        |       |       |       |       |     |       |        |       |        |
| WCMT06T308-FP4 |                       | 6,52 | 0,8  | 0,8  | ☺      | ☺     |        |       |       |        |       |        |       |       |       |       |     |       |        |       |        |
| WCMT080404-FP4 |                       | 8,69 | 0,4  | 0,4  | ☺      | ☺     |        |       |       |        |       |        |       |       |       |       |     |       |        |       |        |
| WCMT080408-FP4 |                       | 8,69 | 0,8  | 0,8  | ☺      | ☺     |        |       |       |        |       |        |       |       |       |       |     |       |        |       |        |
| WCGT030202-MN2 |                       | 3,91 | 0,2  | 0,2  |        |       |        |       |       |        |       |        |       | ☺     |       |       |     |       |        |       |        |
| WCGT030204-MN2 |                       | 3,91 | 0,4  | 0,4  |        |       |        |       |       |        |       |        |       | ☺     |       |       |     |       |        |       |        |
| WCGT040204-MN2 |                       | 4,34 | 0,4  | 0,4  |        |       |        |       |       |        |       |        |       | ☺     |       |       |     |       |        |       |        |
| WCGT06T302-MN2 |                       | 6,52 | 0,2  | 0,2  |        |       |        |       |       |        |       |        |       | ☺     |       |       |     |       |        |       |        |
| WCGT06T304-MN2 |                       | 6,52 | 0,4  | 0,4  |        |       |        |       |       |        |       |        |       | ☺     |       |       |     |       |        |       |        |
| WCGT080404-MN2 |                       | 8,69 | 0,4  | 0,4  |        |       |        |       |       |        |       |        |       | ☺     |       |       |     |       |        |       |        |
| WCGT080408-MN2 |                       | 8,69 | 0,8  | 0,8  |        |       |        |       |       |        |       |        |       | ☺     |       |       |     |       |        |       |        |

Размеры пластин см. в разделе «Система обозначений по ISO 1832»  
Пример заказа инструмента из сплава WAK15: WCGT020102-X5 WAK15

HC = твёрдый сплав с покрытием  
BH = сплав с высоким содержанием CBN  
HW = твёрдый сплав без покрытия  
DP = поликристаллический алмаз

**WALTER SELECT**

Оптимальная пластина для → хороших = ☺ → нормальных = ☺ → неблагоприятных = ☹ условий обработки

☺ ☹ ☹ ☹ / \* = Новый инструмент

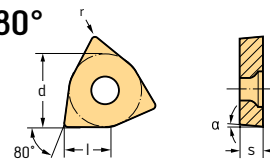
Пластины для чернового и чистового растачивания В 467

B 2

# Токарные пластины Пластины треугольные с задними углами 80°

## WCGT / WCMT / WCMW

### Tiger-tec® Gold



#### Пластины

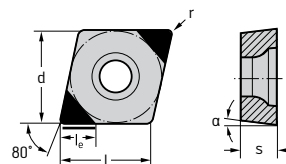
| Обозначение | Кол-во режущих кромок | l mm | r mm | r mm | P      |       |        |       | M      |       |        | K     |       | N     |       |     | S     |        | H     |        |
|-------------|-----------------------|------|------|------|--------|-------|--------|-------|--------|-------|--------|-------|-------|-------|-------|-----|-------|--------|-------|--------|
|             |                       |      |      |      | WPP10G | WXM15 | WPP20G | WTP35 | WSM20S | WSM21 | WSM30S | WAK15 | WXM15 | WCB80 | WNN10 | WK1 | WCD10 | WSM20S | WSM21 | WSM30S |
|             | WCMW020102            | 1    | 2.7  | 0.2  |        |       |        |       |        |       |        |       |       |       |       |     |       |        |       |        |
|             | WCMW020104            | 1    | 2.7  | 0.4  |        |       |        |       |        |       |        |       |       |       |       |     |       |        |       |        |
|             | WCMW030202            | 1    | 3.5  | 0.2  |        |       |        |       |        |       |        |       |       |       |       |     |       |        |       |        |
|             | WCMW030204            | 1    | 3.5  | 0.4  |        |       |        |       |        |       |        |       |       |       |       |     |       |        |       |        |
|             | WCMW040202            | 1    | 4.3  | 0.2  |        |       |        |       |        |       |        |       |       |       |       |     |       |        |       |        |
|             | WCMW040204            | 1    | 4.3  | 0.4  |        |       |        |       |        |       |        |       |       |       |       |     |       |        |       |        |
| WCMW050304  | 1                     | 5.43 | 0.4  |      |        |       |        |       |        |       |        |       |       |       |       |     |       |        |       |        |
|             | WCMW020104            |      | 2.7  | 0.4  |        |       |        |       |        |       |        |       |       |       |       |     |       |        |       |        |
|             | WCMW030202            |      | 3.5  | 0.2  |        |       |        |       |        |       |        |       |       |       |       |     |       |        |       |        |
|             | WCMW030204            |      | 3.5  | 0.4  |        |       |        |       |        |       |        |       |       |       |       |     |       |        |       |        |
|             | WCMW040202            |      | 4.3  | 0.2  |        |       |        |       |        |       |        |       |       |       |       |     |       |        |       |        |
|             | WCMW040204            |      | 4.3  | 0.4  |        |       |        |       |        |       |        |       |       |       |       |     |       |        |       |        |
|             | WCMW050304            |      | 5.43 | 0.4  |        |       |        |       |        |       |        |       |       |       |       |     |       |        |       |        |

Размеры пластин см. в разделе «Система обозначений по ISO 1832»  
 Пример заказа инструмента из сплава WAK15: WCGT020102-X5 WAK15

HC = твёрдый сплав с покрытием  
 BH = сплав с высоким содержанием CBN  
 HW = твёрдый сплав без покрытия  
 DP = поликристаллический алмаз

# Токарные пластины Пластины из CBN с задними углами 80°

## CCGW



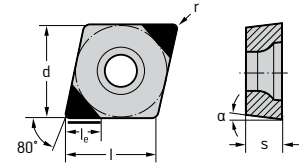
#### Пластины

| Обозначение | Кол-во режущих кромок | l <sub>e</sub> mm | l mm | r mm | α   | K  |    | S  |    | H  |    |
|-------------|-----------------------|-------------------|------|------|-----|----|----|----|----|----|----|
|             |                       |                   |      |      |     | BH | BH | BC | BL | BH | BH |
|             | CCGW09T304TS-MW2      | 2                 | 2.8  | 9.67 | 0.4 | 7° |    |    |    |    |    |
|             | CCGW09T308TM-MW2      | 2                 | 2.7  | 9.67 | 0.8 | 7° |    |    |    |    |    |
|             | CCGW060202EM-2        | 2                 | 2.8  | 6.45 | 0.2 | 7° |    |    |    |    |    |
|             | CCGW060204EM-2        | 2                 | 2.8  | 6.45 | 0.4 | 7° |    |    |    |    |    |
|             | CCGW09T304EM-2        | 2                 | 2.8  | 9.67 | 0.4 | 7° |    |    |    |    |    |
|             | CCGW09T308EM-2        | 2                 | 2.7  | 9.67 | 0.8 | 7° |    |    |    |    |    |



Размеры пластин см. в разделе «Система обозначений по ISO 1832»  
 Пример заказа инструмента из сплава WBH10C: CCGW09T304TS-MW2 WBH10C

BH = сплав с высоким содержанием CBN  
 BC = КНБ с покрытием  
 BL = сплав с низким содержанием CBN

## Токарные пластины Пластины из CBN с задними углами 80° CCGW



### Пластины

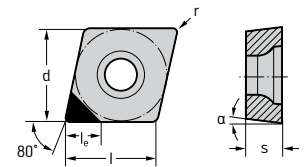
| Обозначение   | Кол-во режущих кромок | l <sub>e</sub> mm | l mm | r mm | α  | K     |       | S      |        | H     |       |       |
|---|-----------------------|-------------------|------|------|----|-------|-------|--------|--------|-------|-------|-------|
|   |                       |                   |      |      |    | BH    | BH    | BC     | BL     | BH    |       |       |
| <br>CCGW060202TS-2<br>CCGW060204TS-2<br>CCGW060208TS-2<br>CCGW09T304TS-2<br>CCGW09T308TS-2 | 2                     | 2,8               | 6,45 | 0,2  | 7° | WBK20 | WBS10 | WBH10C | WBH20C | WBH10 | WBH20 | WBH30 |
|   | 2                     | 2,8               | 6,45 | 0,4  | 7° | WBK20 | WBS10 | WBH10C | WBH20C | WBH10 | WBH20 | WBH30 |
|   | 2                     | 2,7               | 6,45 | 0,8  | 7° | WBK20 | WBS10 | WBH10C | WBH20C | WBH10 | WBH20 | WBH30 |
|   | 2                     | 2,8               | 9,67 | 0,4  | 7° | WBK20 | WBS10 | WBH10C | WBH20C | WBH10 | WBH20 | WBH30 |
|   | 2                     | 2,7               | 9,67 | 0,8  | 7° | WBK20 | WBS10 | WBH10C | WBH20C | WBH10 | WBH20 | WBH30 |
| <br>CCGW060202TM-2<br>CCGW060204TM-2<br>CCGW060208TM-2<br>CCGW09T304TM-2<br>CCGW09T308TM-2 | 2                     | 2,8               | 6,45 | 0,2  | 7° | WBK20 | WBS10 | WBH10C | WBH20C | WBH10 | WBH20 | WBH30 |
|   | 2                     | 2,8               | 6,45 | 0,4  | 7° | WBK20 | WBS10 | WBH10C | WBH20C | WBH10 | WBH20 | WBH30 |
|   | 2                     | 2,7               | 6,45 | 0,8  | 7° | WBK20 | WBS10 | WBH10C | WBH20C | WBH10 | WBH20 | WBH30 |
|   | 2                     | 2,8               | 9,67 | 0,4  | 7° | WBK20 | WBS10 | WBH10C | WBH20C | WBH10 | WBH20 | WBH30 |

Размеры пластин см. в разделе «Система обозначений по ISO 1832»  
 Пример заказа инструмента из сплава WBH10C: CCGW09T304TS-MW2 WBH10C


BH = сплав с высоким содержанием CBN  
 BC = КНБ с покрытием  
 BL = сплав с низким содержанием CBN

B2

## Токарные пластины Пластины CBN с задними углами 80° CPGW



### Пластины

| Обозначение   | Кол-во режущих кромок | l mm | r mm | H     |
|---|-----------------------|------|------|-------|
|   |                       |      |      | BH    |
| <br>CPGW050202<br>CPGW050204 | 1                     | 5,65 | 0,2  | WCB50 |
|   | 1                     | 5,65 | 0,4  | WCB50 |

Размеры пластин см. в разделе «Система обозначений по ISO 1832»  
 Пример заказа инструмента из сплава WCB50: CPGW050202 WCB50

BH = сплав с высоким содержанием CBN

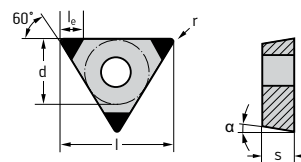
WALTER SELECT

Оптимальная пластина для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки



☺ ☹ ☹☹ / ★ = Новый инструмент

Пластины для чернового и чистового растачивания B 469

## Токарные пластины Пластины CBN с задними углами 60° TCGW



### Пластины

| Обозначение   | Кол-во режущих кромок | l <sub>e</sub><br>mm | l<br>mm | r<br>mm | α  | К     |        |        |       |       |       |
|---|-----------------------|----------------------|---------|---------|----|-------|--------|--------|-------|-------|-------|
|   |                       |                      |         |         |    | ВН    | BC     | H      |       | ВН    |       |
|   |                       |                      |         |         |    | WBK20 | WBH10C | WBH20C | WBH10 | WBH20 | WBH30 |
| <br>TCGW110202TS-3<br>TCGW110204TS-3 | 3                     | 2,8                  | 11      | 0,2     | 7° | ☞     |        |        |       |       |       |
|   | 3                     | 3,1                  | 11      | 0,4     | 7° | ☞     |        |        |       |       |       |
| <br>TCGW110204TM-3<br>TCGW110208TM-3 | 3                     | 3,1                  | 11      | 0,4     | 7° |       | ☞      | ☞      | ☞     | ☞     | ☞     |
|   | 3                     | 2,8                  | 11      | 0,8     | 7° |       | ☞      | ☞      | ☞     | ☞     | ☞     |



Размеры пластин см. в разделе «Система обозначений по ISO 1832»  
Пример заказа инструмента из сплава WBK20: TCGW110202TS-3 WBK20

ВН = сплав с высоким содержанием CBN  
BC = КНБ с покрытием  
BL = сплав с низким содержанием CBN

В2

## Пластины с задними углами 80° WCMW

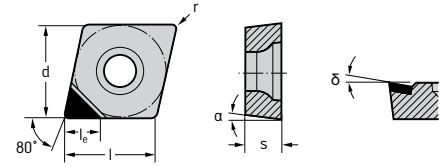
### Пластины

| Обозначение   | Кол-во режущих кромок | l<br>mm | r<br>mm | К  |    |       |       |       |
|---|-----------------------|---------|---------|----|----|-------|-------|-------|
|   |                       |         |         | ВН | DP | N     | H     |       |
|   |                       |         |         |    |    | WCD10 | WCB50 | WCB80 |
| <br>WCMW020104<br>WCMW030202<br>WCMW030204<br>WCMW040202<br>WCMW040204<br>WCMW050304               |                       | 2,7     | 0,4     |    |    | ☞     |       |       |
|   |                       | 3,5     | 0,2     |    |    | ☞     |       |       |
|   |                       | 3,5     | 0,4     |    |    | ☞     |       |       |
|   |                       | 4,3     | 0,2     |    |    | ☞     |       |       |
|   |                       | 4,3     | 0,4     |    |    | ☞     |       |       |
|   |                       | 5,43    | 0,4     |    |    | ☞     |       |       |
| <br>WCMW020102<br>WCMW020104<br>WCMW030202<br>WCMW030204<br>WCMW040202<br>WCMW040204<br>WCMW050304 | 1                     | 2,7     | 0,2     | ☞  |    | ☞     | ☞     |       |
|   | 1                     | 2,7     | 0,4     |    |    | ☞     |       |       |
|   | 1                     | 3,5     | 0,2     |    |    | ☞     | ☞     |       |
|   | 1                     | 3,5     | 0,4     |    |    | ☞     | ☞     |       |
|   | 1                     | 4,3     | 0,2     |    |    | ☞     | ☞     |       |
|   | 1                     | 4,3     | 0,4     |    |    | ☞     | ☞     |       |
|   | 1                     | 5,43    | 0,4     |    |    | ☞     | ☞     |       |
|   | 1                     | 5,43    | 0,4     |    |    | ☞     | ☞     |       |

Размеры пластин см. в разделе «Система обозначений по ISO 1832»  
Пример заказа инструмента из сплава WCD10: WCMW020104 WCD10

ВН = сплав с высоким содержанием CBN  
DP = поликристаллический алмаз

# Токарные пластины Пластины PCD с задними углами 80° CCGT / CCGW



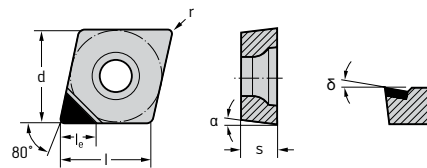
| Пластины        |                       |                   |      |      |     |    |     | N     | O     |
|-----------------|-----------------------|-------------------|------|------|-----|----|-----|-------|-------|
|                 |                       |                   |      |      |     |    |     | DP    | DP    |
|                 |                       |                   |      |      |     |    |     | WDN10 | WDN10 |
| Обозначение     | Кол-во режущих кромок | l <sub>e</sub> mm | l mm | r mm | α   |    |     |       |       |
|                 | CCGT060202FS-1        | 1                 | 3,5  | 6,45 | 0,2 | 7° | 7°  |       |       |
|                 | CCGT060204FS-1        | 1                 | 3,5  | 6,45 | 0,4 | 7° | 7°  |       |       |
|                 | CCGT060208FS-1        | 1                 | 3,5  | 6,45 | 0,8 | 7° | 7°  |       |       |
|                 | CCGT09T304FS-1        | 1                 | 4    | 9,67 | 0,4 | 7° | 10° |       |       |
|                 | CCGT09T308FS-1        | 1                 | 4    | 9,67 | 0,8 | 7° | 10° |       |       |
|                 | CCGW060202FS-1        | 1                 | 3,6  | 6,45 | 0,2 | 7° | 0°  |       |       |
|                 | CCGW060204FS-1        | 1                 | 3,5  | 6,45 | 0,4 | 7° | 0°  |       |       |
|                 | CCGW060208FS-1        | 1                 | 3,5  | 6,45 | 0,8 | 7° | 0°  |       |       |
|                 | CCGW09T302FS-1        | 1                 | 4,1  | 9,67 | 0,2 | 7° | 0°  |       |       |
|                 | CCGW09T304FS-1        | 1                 | 4,1  | 9,67 | 0,4 | 7° | 0°  |       |       |
|                 | CCGW09T308FS-1        | 1                 | 4    | 9,67 | 0,8 | 7° | 0°  |       |       |
|                 | CCGW120404FS-1        | 1                 | 4,1  | 12,9 | 0,4 | 7° | 0°  |       |       |
|                 | CCGW120408FS-1        | 1                 | 4    | 12,9 | 0,8 | 7° | 0°  |       |       |
| <br>Chipbreaker | CCGT060204FS-M1       | 1                 | 3,5  | 6,45 | 0,4 | 7° | 25° |       |       |
|                 | CCGT09T304FS-M1       | 1                 | 4    | 9,67 | 0,4 | 7° | 25° |       |       |
|                 | CCGW060204FSL-9       | 1                 | 6,4  | 6,45 | 0,4 | 7° | 0°  |       |       |
|                 | CCGW09T304FSL-9       | 1                 | 9,7  | 9,67 | 0,4 | 7° | 0°  |       |       |
|                 | CCGW09T308FSL-9       | 1                 | 9,7  | 9,67 | 0,8 | 7° | 0°  |       |       |
|                 | CCGW060204FSR-9       | 1                 | 6,4  | 6,45 | 0,4 | 7° | 0°  |       |       |
|                 | CCGW09T304FSR-9       | 1                 | 9,7  | 9,67 | 0,4 | 7° | 0°  |       |       |
|                 | CCGW09T308FSR-9       | 1                 | 9,7  | 9,67 | 0,8 | 7° | 0°  |       |       |

Размеры пластин см. в разделе «Система обозначений по ISO 1832»  
Пример заказа инструмента из сплава WDN10: CCGT060202FS-1 WDN10












DP = поликристаллический алмаз

B 2

## Токарные пластины Пластины с PCD с задними углами 80° CPGW



### Пластины

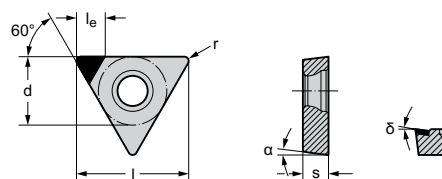
| Обозначение  | Кол-во режущих кромок | l <sub>e</sub> mm | l mm | r mm | α   |    | N   |   |
|--|-----------------------|-------------------|------|------|-----|----|---|---|
|  |                       |                   |      |      |     |    | DP  | DP  |
|  |                       |                   |      |      |     |    | WDN10   | WDN10   |
|  CPGW050204FS-1 | 1                     | 3                 | 5,64 | 0,4  | 11° | 0° |  |  |
| CPGW060204FS-1   | 1                     | 3,5               | 6,45 | 0,4  | 11° | 0° |  |  |
| CPGW09T304FS-1   | 1                     | 4                 | 9,67 | 0,4  | 11° | 0° |  |  |
| CPGW09T308FS-1   | 1                     | 4                 | 9,67 | 0,8  | 11° | 0° |  |  |
| CPGW120408FS-1   | 1                     | 4                 | 12,9 | 0,8  | 11° | 0° |  |  |

Размеры пластин см. в разделе «Система обозначений по ISO 1832»





















Пример заказа инструмента из сплава WDN10: CPGW050204FS-1 WDN10

DP = поликристаллический алмаз

## Токарные пластины Пластины с PKD с задними углами 60° TCGW



### Пластины

| Обозначение  | Кол-во режущих кромок | l <sub>e</sub> mm | l mm | r mm | α  |    | N   |   |
|--|-----------------------|-------------------|------|------|----|----|---|---|
|  |                       |                   |      |      |    |    | DP  | DP  |
|  |                       |                   |      |      |    |    | WDN10   | WDN10   |
|  TCGW090204FS-1 | 1                     | 3,8               | 9,62 | 0,4  | 7° | 0° |  |  |
| TCGW110202FS-1   | 1                     | 4,4               | 11   | 0,2  | 7° | 0° |  |  |
| TCGW110204FS-1   | 1                     | 4,3               | 11   | 0,4  | 7° | 0° |  |  |
| TCGW110208FS-1   | 1                     | 4                 | 11   | 0,8  | 7° | 0° |  |  |
| TCGW16T304FS-1   | 1                     | 4,3               | 16,5 | 0,4  | 7° | 0° |  |  |
| TCGW16T308FS-1   | 1                     | 4                 | 16,5 | 0,8  | 7° | 0° |  |  |
|  TCGW090204FS-9 | 1                     | 9                 | 9,62 | 0,4  | 7° | 0° |  |  |
| TCGW110204FS-9   | 1                     | 10,4              | 11   | 0,4  | 7° | 0° |  |  |
| TCGW16T308FS-9   | 1                     | 15,3              | 16,5 | 0,8  | 7° | 0° |  |  |

Размеры пластин см. в разделе «Система обозначений по ISO 1832»

Пример заказа инструмента из сплава WDN10: TCGW090204FS-1 WDN10

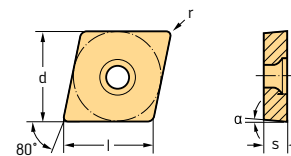
DP = поликристаллический алмаз



# Токарные пластины Пластины с задними углами 80°

## CCMT / CCGT

### Tiger-tec® Gold



## Пластины

| Обозначение    | l mm | r mm | r mm | P      |        |        |        |        |        |        |       |        |        | K      |        |        | S      |       |        |        |        |
|----------------|------|------|------|--------|--------|--------|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|-------|--------|--------|--------|
|                |      |      |      | HC     |        |        |        |        | HE     |        | M     |        |        | HC     |        |        | HC     |       |        |        |        |
|                |      |      |      | WPP10G | WPP20G | WPP20S | WSM20S | WMP20S | WPP30G | WEP10C | WSM01 | WSM10S | WMP20S | WSM20S | WSM30S | WKK10S | WKK20S | WSM01 | WSM10S | WSM20S | WSM30S |
| CCMT060202-E47 | 6,45 | 0,2  |      |        |        | ☞      | ☞      |        |        |        |       |        |        |        |        |        |        |       |        | ☞      | ☞      |
| CCMT060204-E47 | 6,45 | 0,4  |      |        |        | ☞      | ☞      |        |        |        |       |        |        |        |        |        |        |       |        | ☞      | ☞      |
| CCMT09T302-E47 | 9,67 | 0,2  |      |        |        | ☞      | ☞      |        |        |        |       |        |        |        |        |        |        |       |        | ☞      | ☞      |
| CCMT09T304-E47 | 9,67 | 0,4  |      |        |        | ☞      | ☞      |        |        |        |       |        |        |        |        |        |        |       |        | ☞      | ☞      |
| CCMT09T308-E47 | 9,67 | 0,8  |      |        |        | ☞      | ☞      |        |        |        |       |        |        |        |        |        |        |       |        | ☞      | ☞      |
| CCMT120404-E47 | 12,9 | 0,4  |      |        |        | ☞      | ☞      |        |        |        |       |        |        |        |        |        |        |       |        | ☞      | ☞      |
| CCMT120408-E47 | 12,9 | 0,8  |      |        |        | ☞      | ☞      |        |        |        |       |        |        |        |        |        |        |       |        | ☞      | ☞      |
| CCMT120412-E47 | 12,9 | 1,2  |      |        |        | ☞      | ☞      |        |        |        |       |        |        |        |        |        |        |       |        | ☞      | ☞      |
| CCMT060204-MP4 | 6,45 |      | 0,4  |        | ☞      | ☞      |        |        |        |        |       |        |        |        |        |        |        |       |        |        |        |
| CCMT060208-MP4 | 6,45 |      | 0,8  |        | ☞      | ☞      |        |        |        |        |       |        |        |        |        |        |        |       |        |        |        |
| CCMT09T304-MP4 | 9,67 |      | 0,4  |        | ☞      | ☞      |        |        |        |        |       |        |        |        |        |        |        |       |        |        |        |
| CCMT09T308-MP4 | 9,67 |      | 0,8  |        | ☞      | ☞      |        |        |        |        |       |        |        |        |        |        |        |       |        |        |        |
| CCMT120404-MP4 | 12,9 |      | 0,4  |        | ☞      | ☞      |        |        |        |        |       |        |        |        |        |        |        |       |        |        |        |
| CCMT120408-MP4 | 12,9 |      | 0,8  |        | ☞      | ☞      |        |        |        |        |       |        |        |        |        |        |        |       |        |        |        |
| CCGT060204-MP4 | 6,45 |      | 0,4  |        | ☞      | ☞      |        |        |        |        |       |        |        |        |        |        |        |       |        |        |        |
| CCGT09T304-MP4 | 9,67 |      | 0,4  |        | ☞      | ☞      |        |        |        |        |       |        |        |        |        |        |        |       |        |        |        |
| CCGT09T308-MP4 | 9,67 |      | 0,8  |        | ☞      | ☞      |        |        |        |        |       |        |        |        |        |        |        |       |        |        |        |
| CCGT120408-MP4 | 12,9 |      | 0,8  |        | ☞      | ☞      |        |        |        |        |       |        |        |        |        |        |        |       |        |        |        |
| CCMT060204-MM4 | 6,45 |      | 0,4  |        |        |        | ☞      | ☞      |        |        |       |        |        |        |        |        |        |       |        | ☞      | ☞      |
| CCMT060208-MM4 | 6,45 |      | 0,8  |        |        |        | ☞      | ☞      |        |        |       |        |        |        |        |        |        |       |        | ☞      | ☞      |
| CCMT09T304-MM4 | 9,67 |      | 0,4  |        |        |        | ☞      | ☞      |        |        |       |        |        |        |        |        |        |       |        | ☞      | ☞      |
| CCMT09T308-MM4 | 9,67 |      | 0,8  |        |        |        | ☞      | ☞      |        |        |       |        |        |        |        |        |        |       |        | ☞      | ☞      |
| CCMT120404-MM4 | 12,9 |      | 0,4  |        |        |        | ☞      | ☞      |        |        |       |        |        |        |        |        |        |       |        | ☞      | ☞      |
| CCMT120408-MM4 | 12,9 |      | 0,8  |        |        |        | ☞      | ☞      |        |        |       |        |        |        |        |        |        |       |        | ☞      | ☞      |
| CCGT060204-MM4 | 6,45 |      | 0,4  |        |        |        | ☞      | ☞      |        |        |       |        |        |        |        |        |        |       |        | ☞      | ☞      |
| CCGT060208-MM4 | 6,45 |      | 0,8  |        |        |        | ☞      | ☞      |        |        |       |        |        |        |        |        |        |       |        | ☞      | ☞      |
| CCGT09T304-MM4 | 9,67 |      | 0,4  |        |        |        | ☞      | ☞      |        |        |       |        |        |        |        |        |        |       |        | ☞      | ☞      |
| CCGT09T308-MM4 | 9,67 |      | 0,8  |        |        |        | ☞      | ☞      |        |        |       |        |        |        |        |        |        |       |        | ☞      | ☞      |
| CCGT120408-MM4 | 12,9 |      | 0,8  |        |        |        | ☞      | ☞      |        |        |       |        |        |        |        |        |        |       |        | ☞      | ☞      |
| CCMT060204-MK4 | 6,45 |      | 0,4  |        |        |        |        |        |        |        |       |        |        |        |        |        |        |       |        | ☞      | ☞      |
| CCMT060208-MK4 | 6,45 |      | 0,8  |        |        |        |        |        |        |        |       |        |        |        |        |        |        |       |        | ☞      | ☞      |
| CCMT09T304-MK4 | 9,67 |      | 0,4  |        |        |        |        |        |        |        |       |        |        |        |        |        |        |       |        | ☞      | ☞      |
| CCMT09T308-MK4 | 9,67 |      | 0,8  |        |        |        |        |        |        |        |       |        |        |        |        |        |        |       |        | ☞      | ☞      |
| CCMT120404-MK4 | 12,9 |      | 0,4  |        |        |        |        |        |        |        |       |        |        |        |        |        |        |       |        | ☞      | ☞      |
| CCMT120408-MK4 | 12,9 |      | 0,8  |        |        |        |        |        |        |        |       |        |        |        |        |        |        |       |        | ☞      | ☞      |
| CCGT060204-MK4 | 6,45 |      | 0,4  |        |        |        |        |        |        |        |       |        |        |        |        |        |        |       |        | ☞      | ☞      |
| CCGT060208-MK4 | 6,45 |      | 0,8  |        |        |        |        |        |        |        |       |        |        |        |        |        |        |       |        | ☞      | ☞      |
| CCGT09T304-MK4 | 9,67 |      | 0,4  |        |        |        |        |        |        |        |       |        |        |        |        |        |        |       |        | ☞      | ☞      |
| CCGT09T308-MK4 | 9,67 |      | 0,8  |        |        |        |        |        |        |        |       |        |        |        |        |        |        |       |        | ☞      | ☞      |
| CCGT120408-MK4 | 12,9 |      | 0,8  |        |        |        |        |        |        |        |       |        |        |        |        |        |        |       |        | ☞      | ☞      |
| CCMT060204-RM4 | 6,45 |      | 0,4  |        |        |        |        |        |        |        |       |        |        |        |        |        |        |       |        | ☞      | ☞      |
| CCMT060208-RM4 | 6,45 |      | 0,8  |        |        |        |        |        |        |        |       |        |        |        |        |        |        |       |        | ☞      | ☞      |
| CCMT09T304-RM4 | 9,67 |      | 0,4  |        |        |        |        |        |        |        |       |        |        |        |        |        |        |       |        | ☞      | ☞      |
| CCMT09T308-RM4 | 9,67 |      | 0,8  |        |        |        |        |        |        |        |       |        |        |        |        |        |        |       |        | ☞      | ☞      |
| CCMT120404-RM4 | 12,9 |      | 0,4  |        |        |        |        |        |        |        |       |        |        |        |        |        |        |       |        | ☞      | ☞      |
| CCMT120408-RM4 | 12,9 |      | 0,8  |        |        |        |        |        |        |        |       |        |        |        |        |        |        |       |        | ☞      | ☞      |
| CCMT120412-RM4 | 12,9 |      | 1,2  |        |        |        |        |        |        |        |       |        |        |        |        |        |        |       |        | ☞      | ☞      |

Размеры пластин см. в разделе «Система обозначений по ISO 1832»  
Пример заказа инструмента из сплава WPP20S: CCMT060202-E47 WPP20S

HC = твёрдый сплав с покрытием  
HE = кермет с покрытием

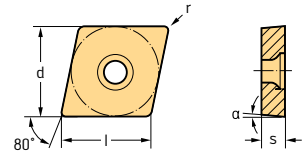
**WALTER SELECT**      Оптимальная пластина для → хороших = ☞ → нормальных = ☞ → неблагоприятных = ☞ условий обработки

☞ ☞ ☞ / \* = Новый инструмент



Пластины для чернового и чистового растачивания В 473

B2

## Токарные пластины Пластины с задними углами 80° CCMT / CCGT Tiger-tec® Gold



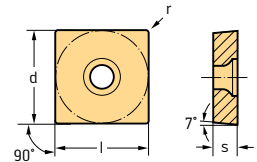
### Пластины

| Обозначение  | l<br>mm | r<br>mm | r<br>mm | P      |        |        |        |        |        | M      |       |        |        |        | K      |        | S      |       |        |        |        |  |  |
|--|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|-------|--------|--------|--------|--|--|
|  |         |         |         | WPP10G | WPP20G | WPP20S | WSM20S | WMP20S | WPP30G | WEP10C | WSM01 | WSM10S | WMP20S | WSM20S | WSM30S | WKK10S | WKK20S | WSM01 | WSM10S | WSM20S | WSM30S |  |  |
|  CCMT060204-RP4 | 6,45    |         | 0,4     | ☺      | ☺      |        |        |        |        |        |       |        |        |        |        |        |        |       |        |        |        |  |  |
| CCMT060208-RP4   | 6,45    |         | 0,8     | ☺      | ☺      |        |        |        |        |        |       |        |        |        |        |        |        |       |        |        |        |  |  |
| CCMT09T304-RP4   | 9,67    |         | 0,4     | ☺      | ☺      |        |        |        |        |        |       |        |        |        |        |        |        |       |        |        |        |  |  |
| CCMT09T308-RP4   | 9,67    |         | 0,8     | ☺      | ☺      |        |        |        |        |        |       |        |        |        |        |        |        |       |        |        |        |  |  |
| CCMT120404-RP4   | 12,9    |         | 0,4     | ☺      | ☺      |        |        |        |        |        |       |        |        |        |        |        |        |       |        |        |        |  |  |
| CCMT120408-RP4   | 12,9    |         | 0,8     | ☺      | ☺      |        |        |        |        |        |       |        |        |        |        |        |        |       |        |        |        |  |  |
| CCMT120412-RP4   | 12,9    |         | 1,2     | ☺      | ☺      |        |        |        |        |        |       |        |        |        |        |        |        |       |        |        |        |  |  |
|  CCMT060204-RK4 | 6,45    |         | 0,4     |        |        |        |        |        |        |        |       |        |        |        |        | ☺      | ☺      |       |        |        |        |  |  |
| CCMT060208-RK4   | 6,45    |         | 0,8     |        |        |        |        |        |        |        |       |        |        |        |        | ☺      | ☺      |       |        |        |        |  |  |
| CCMT09T304-RK4   | 9,67    |         | 0,4     |        |        |        |        |        |        |        |       |        |        |        |        | ☺      | ☺      |       |        |        |        |  |  |
| CCMT09T308-RK4   | 9,67    |         | 0,8     |        |        |        |        |        |        |        |       |        |        |        |        | ☺      | ☺      |       |        |        |        |  |  |
| CCMT120404-RK4   | 12,9    |         | 0,4     |        |        |        |        |        |        |        |       |        |        |        |        | ☺      | ☺      |       |        |        |        |  |  |
| CCMT120408-RK4   | 12,9    |         | 0,8     |        |        |        |        |        |        |        |       |        |        |        |        | ☺      | ☺      |       |        |        |        |  |  |
| CCMT120412-RK4   | 12,9    |         | 1,2     |        |        |        |        |        |        |        |       |        |        |        |        | ☺      | ☺      |       |        |        |        |  |  |



Размеры пластин см. в разделе «Система обозначений по ISO 1832»  
Пример заказа инструмента из сплава WPP20S: CCMT060202-E47 WPP20S

HC = твёрдый сплав с покрытием  
HE = кермет с покрытием

## Токарные пластины Пластины квадратные, с задними углами SCMT / SCGT Tiger-tec® Gold



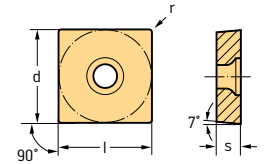
### Пластины

| Обозначение  | l<br>mm | r<br>mm | r<br>mm | P      |        |        |        |        |        | M     |        |        |        |        | K      |        | S     |        |        |        |   |   |   |
|--|---------|---------|---------|--------|--------|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|-------|--------|--------|--------|---|---|---|
|  |         |         |         | WPP10G | WPP20G | WPP20S | WSM20S | WMP20S | WPP30G | WSM01 | WSM10S | WMP20S | WSM20S | WSM30S | WKK10S | WKK20S | WSM01 | WSM10S | WSM20S | WSM30S |   |   |   |
|  SCMT060204-E47 | 6,35    | 0,4     |         |        |        | ☺      | ☺      |        |        |       |        | ☺      |        |        |        |        |       |        |        | ☺      | ☺ | ☺ | ☺ |
| SCMT09T304-E47   | 9,53    | 0,4     |         |        |        | ☺      | ☺      |        |        |       |        | ☺      |        |        |        |        |       |        |        | ☺      | ☺ | ☺ | ☺ |
| SCMT09T308-E47   | 9,53    | 0,8     |         |        |        | ☺      | ☺      |        |        |       |        | ☺      |        |        |        |        |       |        |        | ☺      | ☺ | ☺ | ☺ |
| SCMT120408-E47   | 12,7    | 0,8     |         |        |        | ☺      | ☺      |        |        |       |        | ☺      |        |        |        |        |       |        |        | ☺      | ☺ | ☺ | ☺ |
|  SCMT09T304-MP4 | 9,53    |         | 0,4     |        | ☺      |        |        |        |        |       |        |        |        |        |        |        |       |        |        |        |   |   |   |
| SCMT09T308-MP4   | 9,53    |         | 0,8     | ☺      | ☺      |        |        |        |        |       |        |        |        |        |        |        |       |        |        |        |   |   |   |
| SCMT120408-MP4   | 12,7    |         | 0,8     | ☺      | ☺      |        |        |        |        |       |        |        |        |        |        |        |       |        |        |        |   |   |   |

Размеры пластин см. в разделе «Система обозначений по ISO 1832»  
Пример заказа инструмента из сплава WPP20S: SCMT060204-E47 WPP20S

HC = твёрдый сплав с покрытием

# Токарные пластины Пластины квадратные, с задними углами SCMT / SCGT Tiger-tec® Gold



## Пластины

| Обозначение    | l<br>mm | r<br>mm | r<br>mm | P      |        |        |        |        | M      |       |        |        |        | K      |        | S      |       |        |
|----------------|---------|---------|---------|--------|--------|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|-------|--------|
|                |         |         |         | HC     |        |        |        |        | HC     |       |        |        |        | HC     |        | HC     |       |        |
|                |         |         |         | WPP10G | WPP20G | WPP20S | WSM20S | WMP20S | WPP30G | WSM01 | WSM10S | WMP20S | WSM20S | WSM30S | WKK10S | WKK20S | WSM01 | WSM10S |
| SCGT09T304-MP4 | 9.53    |         | 0.4     | ☺      | ☺      |        |        |        |        |       |        |        |        |        |        |        |       |        |
| SCGT09T308-MP4 | 9.53    |         | 0.8     | ☺      | ☺      |        |        |        |        |       |        |        |        |        |        |        |       |        |
| SCGT120408-MP4 | 12.7    |         | 0.8     | ☺      | ☺      |        |        |        |        |       |        |        |        |        |        |        |       |        |
| SCMT09T304-MM4 | 9.53    |         | 0.4     |        |        | ☺      | ☺      |        | ☺      | ☺     | ☺      |        |        |        |        | ☺      | ☺     | ☺      |
| SCMT09T308-MM4 | 9.53    |         | 0.8     |        |        | ☺      | ☺      |        | ☺      | ☺     | ☺      |        |        |        |        | ☺      | ☺     | ☺      |
| SCMT120408-MM4 | 12.7    |         | 0.8     |        |        | ☺      | ☺      |        | ☺      | ☺     | ☺      |        |        |        |        | ☺      | ☺     | ☺      |
| SCGT09T304-MM4 | 9.53    |         | 0.4     |        |        | ☺      |        |        | ☺      |       |        |        |        |        | ☺      |        | ☺     |        |
| SCGT09T308-MM4 | 9.53    |         | 0.8     |        |        | ☺      |        |        | ☺      |       |        |        |        |        | ☺      |        | ☺     |        |
| SCGT120408-MM4 | 12.7    |         | 0.8     |        |        | ☺      |        |        | ☺      |       |        |        |        |        | ☺      |        | ☺     |        |
| SCMT09T304-MK4 | 9.53    |         | 0.4     |        |        |        |        |        |        |       |        | ☺      | ☺      |        |        |        |       |        |
| SCMT09T308-MK4 | 9.53    |         | 0.8     |        |        |        |        |        |        |       |        | ☺      | ☺      |        |        |        |       |        |
| SCMT120408-MK4 | 12.7    |         | 0.8     |        |        |        |        |        |        |       |        | ☺      | ☺      |        |        |        |       |        |
| SCGT09T308-MK4 | 9.53    |         | 0.8     |        |        |        |        |        |        |       |        | ☺      |        |        |        |        |       |        |
| SCMT09T304-RM4 | 9.53    |         | 0.4     |        |        |        |        |        |        |       |        |        |        |        |        | ☺      | ☺     | ☺      |
| SCMT09T308-RM4 | 9.53    |         | 0.8     |        |        |        |        |        |        |       |        |        |        |        |        | ☺      | ☺     | ☺      |
| SCMT120404-RM4 | 12.7    |         | 0.4     |        |        |        |        |        |        |       |        |        |        |        |        | ☺      | ☺     | ☺      |
| SCMT120408-RM4 | 12.7    |         | 0.8     |        |        |        |        |        |        |       |        |        |        |        |        | ☺      | ☺     | ☺      |
| SCMT120412-RM4 | 12.7    |         | 1.2     |        |        |        |        |        |        |       |        |        |        |        |        | ☺      | ☺     | ☺      |
| SCMT09T304-RP4 | 9.53    |         | 0.4     | ☺      | ☺      |        |        | ☺      |        |       |        |        |        |        |        |        |       |        |
| SCMT09T308-RP4 | 9.53    |         | 0.8     | ☺      | ☺      |        |        | ☺      |        |       |        |        |        |        |        |        |       |        |
| SCMT09T312-RP4 | 9.53    |         | 1.2     | ☺      | ☺      |        |        | ☺      |        |       |        |        |        |        |        |        |       |        |
| SCMT120404-RP4 | 12.7    |         | 0.4     | ☺      | ☺      |        |        | ☺      |        |       |        |        |        |        |        |        |       |        |
| SCMT120408-RP4 | 12.7    |         | 0.8     | ☺      | ☺      |        |        | ☺      |        |       |        |        |        |        |        |        |       |        |
| SCMT120412-RP4 | 12.7    |         | 1.2     | ☺      | ☺      |        |        | ☺      |        |       |        |        |        |        |        |        |       |        |
| SCMT09T304-RK4 | 9.53    |         | 0.4     |        |        |        |        |        |        |       |        | ☺      | ☺      |        |        |        |       |        |
| SCMT09T308-RK4 | 9.53    |         | 0.8     |        |        |        |        |        |        |       |        | ☺      | ☺      |        |        |        |       |        |
| SCMT120404-RK4 | 12.7    |         | 0.4     |        |        |        |        |        |        |       |        | ☺      | ☺      |        |        |        |       |        |
| SCMT120408-RK4 | 12.7    |         | 0.8     |        |        |        |        |        |        |       |        | ☺      | ☺      |        |        |        |       |        |
| SCMT120412-RK4 | 12.7    |         | 1.2     |        |        |        |        |        |        |       |        | ☺      | ☺      |        |        |        |       |        |

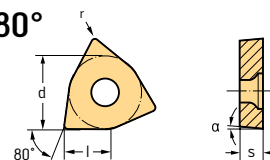
Размеры пластин см. в разделе «Система обозначений по ISO 1832»  
Пример заказа инструмента из сплава WPP20S: SCMT060204-E47 WPP20S

HC = твёрдый сплав с покрытием

# Токарные пластины Пластины треугольные с задними углами 80°

## WCMT

### Tiger-tec® Gold



#### Пластины

| Обозначение    | l<br>mm | r<br>mm | r<br>mm | P      |        |        | M      |        | K      | S      |
|----------------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|
|                |         |         |         | HC     |        |        | HC     |        | HC     | HC     |
|                |         |         |         | WPP20G | WPP20S | WSM20S | WPP30G | WSM20S | WSM30S | WKK20S |
| WCMT030204-E47 | 3,5     | 0,4     |         | ☹      | ☹      | ☹      | ☹      |        | ☹      |        |
| WCMT040204-E47 | 4,3     | 0,4     |         | ☹      | ☹      | ☹      | ☹      |        | ☹      |        |
| WCMT06T304-E47 | 6,5     | 0,4     |         | ☹      |        |        |        |        |        |        |
| WCMT06T308-E47 | 6,5     | 0,8     |         |        | ☹      |        | ☹      |        | ☹      |        |
| WCMT06T304-MP4 | 6,52    |         | 0,4     | ☹      |        |        |        |        |        |        |
| WCMT06T308-MP4 | 6,52    |         | 0,8     | ☹      |        |        |        |        |        |        |
| WCMT06T304-MM4 | 6,52    |         | 0,4     |        | ☹      |        | ☹      |        | ☹      |        |
| WCMT06T308-MM4 | 6,52    |         | 0,8     |        |        | ☹      | ☹      |        | ☹      |        |
| WCMT030202-RM4 | 3,91    |         | 0,2     |        |        |        | ☹      |        | ☹      |        |
| WCMT040202-RM4 | 4,34    |         | 0,2     |        |        |        | ☹      | ☹      | ☹      |        |
| WCMT040204-RM4 | 4,34    |         | 0,4     |        |        |        | ☹      | ☹      | ☹      |        |
| WCMT06T304-RM4 | 6,52    |         | 0,4     |        |        |        | ☹      | ☹      | ☹      |        |
| WCMT06T308-RM4 | 6,52    |         | 0,8     |        |        |        | ☹      | ☹      | ☹      |        |
| WCMT080408-RM4 | 8,69    |         | 0,8     |        |        |        | ☹      | ☹      | ☹      |        |
| WCMT080412-RM4 | 8,69    |         | 1,2     |        |        |        | ☹      |        | ☹      |        |
| WCMT030202-RP4 | 3,91    |         | 0,2     | ☹      |        |        |        |        |        |        |
| WCMT040204-RP4 | 4,34    |         | 0,4     | ☹      |        |        |        |        |        |        |
| WCMT06T304-RP4 | 6,52    |         | 0,4     | ☹      |        |        |        |        |        |        |
| WCMT06T308-RP4 | 6,52    |         | 0,8     | ☹      |        | ☹      |        |        |        |        |
| WCMT080404-RP4 | 8,69    |         | 0,4     | ☹      |        |        |        |        |        |        |
| WCMT080408-RP4 | 8,69    |         | 0,8     | ☹      |        | ☹      |        |        |        |        |
| WCMT080412-RP4 | 8,69    |         | 1,2     | ☹      |        |        |        |        |        |        |
| WCMT040204-RK4 | 4,34    |         | 0,4     |        |        |        |        | ☹      |        |        |
| WCMT06T304-RK4 | 6,52    |         | 0,4     |        |        |        |        | ☹      |        |        |
| WCMT06T308-RK4 | 6,52    |         | 0,8     |        |        |        |        | ☹      |        |        |
| WCMT080404-RK4 | 8,69    |         | 0,4     |        |        |        |        | ☹      |        |        |
| WCMT080408-RK4 | 8,69    |         | 0,8     |        |        |        |        | ☹      |        |        |
| WCMT080412-RK4 | 8,69    |         | 1,2     |        |        |        |        | ☹      |        |        |

Размеры пластин см. в разделе «Система обозначений по ISO 1832»

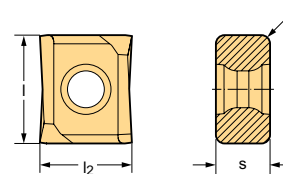
Пример заказа инструмента из сплава WPP20S: WCMT030204-E47 WPP20S

HC = твёрдый сплав с покрытием







# Пластины тангенциальные

## P4130 / P4160 / P4460

### Tiger-tec® Silver



#### Пластины

| Обозначение   | l <sub>2</sub><br>mm | l<br>mm | r<br>mm | P      |        | M      |        | K      |       | N    |        | S  |
|---|----------------------|---------|---------|--------|--------|--------|--------|--------|-------|------|--------|----|
|   |                      |         |         | HC     |        | HC     |        | HC     |       | HC   | HW     | HC |
|   |                      |         |         | WSM20S | WKP30S | WSM20S | WKK10S | WKK20S | WNN15 | WK10 | WSM20S |    |
|  P4130-4R12-E47  | 10,48                | 14      | 1,2     |        | ☺      |        |        | ☺      | ☺     |      |        |    |
|  P4160-2L08-E47  | 9,69                 | 10      | 0,8     | ☺      | ☺      | ☺      |        | ☺      |       |      |        | ☺  |
|  P4160-2R04-E47  | 9,69                 | 10      | 0,4     | ☺      | ☺      | ☺      |        | ☺      |       |      |        | ☺  |
|  P4160-2R08-E47  | 9,69                 | 10      | 0,8     | ☺      | ☺      | ☺      |        | ☺      |       |      |        | ☺  |
|  P4460-2R04-G88  | 9,69                 | 10      | 0,4     |        |        |        |        |        |       | ☺    |        |    |
|  P4460-2R08-G88 | 9,69                 | 10      | 0,8     |        |        |        |        |        |       | ☺    | ☺      |    |

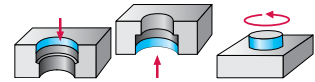
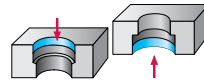
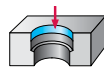
Пример заказа инструмента из сплава WKK10S: P4130-4R12-E47 WKK10S

HC = твёрдый сплав с покрытием  
HW = твёрдый сплав без покрытия

B2

## Чистовые расточные оправки

Вид обработки



Диапазон Ø [mm]

1–20

19–167

148–635



Обозначение

B5110

B5115

B5120

Дисплей

аналог

аналог

аналог

Хвостовик

Walter Capto™

✓

✓

✓

ScrewFit

✓

✓

NCT

✓

✓

✓

P Сталь

●●

●●

●●

M Нержавеющая сталь

●●

●●

●●

K Чугун

●●

●●

●●

N Цветные металлы

●●

●●

●●

S Жаропрочные сплавы

●●

●●

●●

H Материалы высокой твердости

●

●

●

O Прочее

●

●

●

Расточной пруток из твердого сплава



Подходящие типы пластин



Страница в каталоге

B 482

B 486

B 504

QR-код


[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

B5110

B5115

B5120

# Чистовые расточные оправки

Вид обработки



|                 |        |       |  |
|-----------------|--------|-------|--|
| Диапазон Ø [mm] | 69–167 | 3–124 |  |
|-----------------|--------|-------|--|



|             |       |       |       |
|-------------|-------|-------|-------|
| Обозначение | B5125 | B4035 | EB100 |
|-------------|-------|-------|-------|

|         |        |          |  |
|---------|--------|----------|--|
| Дисплей | аналог | цифровой |  |
|---------|--------|----------|--|

Хвостовик

|               |   |   |  |
|---------------|---|---|--|
| Walter Capto™ | ✓ | ✓ |  |
|---------------|---|---|--|

|          |  |   |  |
|----------|--|---|--|
| ScrewFit |  | ✓ |  |
|----------|--|---|--|

|     |  |  |  |
|-----|--|--|--|
| NCT |  |  |  |
|-----|--|--|--|

|                                      |    |    |  |
|--------------------------------------|----|----|--|
| <b>P</b> Сталь                       | ●● | ●● |  |
| <b>M</b> Нержавеющая сталь           | ●● | ●● |  |
| <b>K</b> Чугун                       | ●● | ●● |  |
| <b>N</b> Цветные металлы             | ●● | ●● |  |
| <b>S</b> Жаропрочные сплавы          | ●● | ●● |  |
| <b>H</b> Материалы высокой твердости | ●  | ●  |  |
| <b>O</b> Прочее                      | ●  | ●  |  |

Расточной пруток из твердого сплава



Подходящие типы пластин



|                     |       |       |       |
|---------------------|-------|-------|-------|
| Страница в каталоге | B 494 | B 506 | B 548 |
|---------------------|-------|-------|-------|

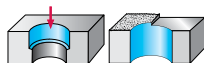
QR-код



|                           |       |       |       |
|---------------------------|-------|-------|-------|
| www.walter-tools.com/woc/ | B5125 | B4035 | EB100 |
|---------------------------|-------|-------|-------|

## Расточные оправки с двумя пластинами

Вид обработки



|                 |         |         |        |
|-----------------|---------|---------|--------|
| Диапазон Ø [mm] | 148–620 | 148–620 | 33–153 |
|-----------------|---------|---------|--------|



|             |        |        |        |
|-------------|--------|--------|--------|
| Обозначение | B5460  | B5560  | B3220  |
| Дисплей     | аналог | аналог | аналог |

Хвостовик

|                                      |    |    |    |
|--------------------------------------|----|----|----|
| Walter Capto™                        | ✓  | ✓  | ✓  |
| ScrewFit                             |    |    | ✓  |
| NCT                                  | ✓  | ✓  | ✓  |
| <b>P</b> Сталь                       | ●● | ●● | ●● |
| <b>M</b> Нержавеющая сталь           | ●● | ●● | ●● |
| <b>K</b> Чугун                       | ●● | ●● | ●● |
| <b>N</b> Цветные металлы             | ●● | ●● | ●  |
| <b>S</b> Жаропрочные сплавы          | ●● | ●● | ●● |
| <b>H</b> Материалы высокой твёрдости |    |    |    |
| <b>O</b> Прочее                      |    |    |    |

Расточной пруток из твердого сплава

|                         |  |  |  |
|-------------------------|--|--|--|
| Подходящие типы пластин |  |  |  |
|-------------------------|--|--|--|

|                     |       |       |       |
|---------------------|-------|-------|-------|
| Страница в каталоге | B 554 | B 556 | B 558 |
|---------------------|-------|-------|-------|

QR-код


[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

B5460

B5560

B3220



# Расточные оправки с двумя пластинами

Вид обработки



|                 |       |
|-----------------|-------|
| Диапазон Ø [mm] | 20–33 |
|-----------------|-------|



|                               |        |
|-------------------------------|--------|
| Обозначение                   | B3221  |
| Дисплей                       | аналог |
| Хвостовик                     |        |
| Walter Capto™                 | ✓      |
| ScrewFit                      | ✓      |
| NCT                           | ✓      |
| P Сталь                       | ●●     |
| M Нержавеющая сталь           | ●●     |
| K Чугун                       | ●●     |
| N Цветные металлы             | ●      |
| S Жаропрочные сплавы          | ●●     |
| H Материалы высокой твердости |        |
| O Прочее                      |        |

Расточной пруток из твердого сплава

Подходящие типы пластин



|                     |       |
|---------------------|-------|
| Страница в каталоге | B 558 |
|---------------------|-------|

QR-код



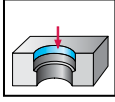
[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

B3221

**зенкер, чистовая расточная оправка**
**B5110** 
**Walter Precision XT**

– Установка диаметра в мм и дюймах

|               |                   |       |
|---------------|-------------------|-------|
| $D_c$<br>1–20 | $\kappa=92^\circ$ | $Z=1$ |
|---------------|-------------------|-------|



|       |    |    |    |    |    |   |   |
|-------|----|----|----|----|----|---|---|
|       | P  | M  | K  | N  | S  | H | O |
| B5110 | ●● | ●● | ●● | ●● | ●● | ● | ● |

**Инструмент**

| Обозначение   | $D_c$<br>mm | $d_1$ | $L_c$<br>mm | $l_4$<br>mm | <br>kg | Тип           |
|---|-------------|-------|-------------|-------------|--------|---------------|
| <br>B5110-001-003-C3-CS                                       | 1–3         | C3    | 6           | 48          | 0,2    |               |
| B5110-0017-0037-C3-CS   | 1,7–3,7     | C3    | 9           | 48          | 0,2    |               |
| B5110-0022-0042-C3-CS   | 2,2–4,2     | C3    | 13          | 53          | 0,2    |               |
| B5110-0027-0047-C3-CS   | 2,7–4,7     | C3    | 15          | 53          | 0,2    |               |
| B5110-0032-0052-C3-CS   | 3,2–5,2     | C3    | 20          | 58          | 0,2    |               |
| B5110-0042-0062-C3-CS   | 4,2–6,2     | C3    | 20          | 58          | 0,6    |               |
| Walter Capto™ in acc. with ISO 26623<br>B5110-0062-0082-C3-CS | 6,2–8,2     | C3    | 30          | 68          | 0,2    |               |
| <br>B5110-008-010-C3-TC06                                     | 8–10        | C3    | 30          | 67          | 0,2    | TC .. 06T1 .. |
| B5110-010-012-C3-TC06   | 10–12       | C3    | 40          | 81          | 0,3    |               |
| B5110-012-014-C3-TC06   | 12–14       | C3    | 40          | 81          | 0,3    |               |
| Walter Capto™ in acc. with ISO 26623                          |             |       |             |             |        |               |
| <br>B5110-014-017-C4-TC09                                     | 14–17       | C4    | 50          | 93          | 0,5    | TC .. 0902 .. |
| B5110-017-020-C4-TC09   | 17–20       | C4    | 50          | 93          | 0,5    |               |
| Walter Capto™ in acc. with ISO 26623                          |             |       |             |             |        |               |

Корпус и сборочные детали входят в комплект поставки

**Сборочные детали**

| Тип               | ТС .. 06T1 ..          | ТС .. 0902 ..          |
|-------------------|------------------------|------------------------|
| <br>Винт зажимной | FS2623 (SW 2,5)        | FS2625 (SW 3)          |
| <br>Винт пластины | FS2626 (6IP)<br>0,6 Nm | FS2627 (7IP)<br>0,8 Nm |



|  | Базовый держатель  | Расточная державка |
|--|--------------------|--------------------|
|  | B5110-001-006-C3-B | EB701.WKP21        |
|  | B5110-001-006-C3-B | EB702.WKP21        |
|  | B5110-001-006-C3-B | EB703.WKP21        |
|  | B5110-001-006-C3-B | EB704.WKP21        |
|  | B5110-001-006-C3-B | EB705.WKP21        |
|  | B5110-001-006-C3-B | EB706.WKP21        |
|  | B5110-006-010-C3-B | EB707.WKP21        |
|  | B5110-006-010-C3-B | EB708.TC06         |
|  | B5110-010-014-C3-B | EB709.TC06         |
|  | B5110-010-014-C3-B | EB710.TC06         |
|  | B5110-014-020-C4-B | EB711.TC09         |
|  | B5110-014-020-C4-B | EB712.TC09         |

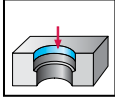
B 2

| Комплектующие |                                    |                      | ТС .. 06T1 ..        | ТС .. 0902 ..    |
|---------------|------------------------------------|----------------------|----------------------|------------------|
|               | Тип                                |                      |                      |                  |
|               | Ключ по ISO 2936-2,5               | ISO2936-2,5 (SW 2,5) | ISO2936-2,5 (SW 2,5) |                  |
|               | Ключ по ISO 2936-3                 |                      | ISO2936-3 (SW 3)     | ISO2936-3 (SW 3) |
|               | Динамометрический ключ, аналоговый |                      | FS2001               | FS2001           |
|               | Вставка                            |                      | FS2085 (T6IP)        | FS2011 (T7IP)    |
|               | Отвёртка                           |                      | FS2086 (T6IP)        | FS2088 (T7IP)    |

**зенкер, чистовая расточная оправка**
**B5110** 
**Walter Precision XT**

– Установка диаметра в мм и дюймах

|               |                   |       |
|---------------|-------------------|-------|
| $D_c$<br>1-20 | $\kappa=92^\circ$ | Z = 1 |
|---------------|-------------------|-------|



|       |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|
|       | P | M | K | N | S | H | O |
| B5110 | ● | ● | ● | ● | ● | ● | ● |

**Инструмент**

| Обозначение            | $D_c$<br>mm | $d_1$ | $L_c$<br>mm | $l_4$<br>mm | kg  | Тип           |
|------------------------|-------------|-------|-------------|-------------|-----|---------------|
| B5110-001-003-T22-CS   | 1-3         | T22   | 6           | 45          | 0,1 |               |
| B5110-0017-0037-T22-CS | 1,7-3,7     | T22   | 9           | 45          | 0,1 |               |
| B5110-0022-0042-T22-CS | 2,2-4,2     | T22   | 13          | 50          | 0,1 |               |
| B5110-0027-0047-T22-CS | 2,7-4,7     | T22   | 15          | 50          | 0,1 |               |
| B5110-0032-0052-T22-CS | 3,2-5,2     | T22   | 20          | 55          | 0,1 |               |
| B5110-0042-0062-T22-CS | 4,2-6,2     | T22   | 20          | 55          | 0,1 |               |
| B5110-0062-0082-T22-CS | 6,2-8,2     | T22   | 30          | 70          | 0,2 | TC .. 06T1 .. |
| B5110-008-010-T22-TC06 | 8-10        | T22   | 30          | 69          | 0,2 |               |
| B5110-010-012-T28-TC06 | 10-12       | T28   | 40          | 86          | 0,3 |               |
| B5110-012-014-T28-TC06 | 12-14       | T28   | 40          | 86          | 0,3 | TC .. 0902 .. |
| B5110-014-017-T36-TC09 | 14-17       | T36   | 50          | 98          | 0,6 |               |
| B5110-017-020-T36-TC09 | 17-20       | T36   | 50          | 98          | 0,6 |               |

Корпус и сборочные детали входят в комплект поставки

**Сборочные детали**

| Тип                    | TC .. 06T1 ..          | TC .. 0902 ..          |
|------------------------|------------------------|------------------------|
| Винт зажимной          | FS2623 (SW 2,5)        | FS2625 (SW 3)          |
| Винт пластины          | FS2626 (6IP)<br>0,6 Nm | FS2627 (7IP)<br>0,8 Nm |
| Ключ динамометрический | FS1386                 | FS1386                 |
| Кливис                 | FS1390                 | FS1392                 |



|  | Базовый держатель   | Расточная державка |
|--|---------------------|--------------------|
|  | B5110-001-006-T22-B | EB701.WKP21        |
|  | B5110-001-006-T22-B | EB702.WKP21        |
|  | B5110-001-006-T22-B | EB703.WKP21        |
|  | B5110-001-006-T22-B | EB704.WKP21        |
|  | B5110-001-006-T22-B | EB705.WKP21        |
|  | B5110-001-006-T22-B | EB706.WKP21        |
|  | B5110-006-010-T22-B | EB707.WKP21        |
|  | B5110-006-010-T22-B | EB708.TC06         |
|  | B5110-010-014-T28-B | EB709.TC06         |
|  | B5110-010-014-T28-B | EB710.TC06         |
|  | B5110-014-020-T36-B | EB711.TC09         |
|  | B5110-014-020-T36-B | EB712.TC09         |

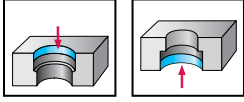
B 2

| Комплектующие |     |                                    | TC .. 06T1 ..        | TC .. 0902 ..        |
|---------------|-----|------------------------------------|----------------------|----------------------|
|               | Тип | Ключ по ISO 2936-2,5               | ISO2936-2,5 (SW 2,5) | ISO2936-2,5 (SW 2,5) |
|               |     | Ключ по ISO 2936-3                 |                      | ISO2936-3 (SW 3)     |
|               |     | Динамометрический ключ, аналоговый |                      | FS2001               |
|               |     | Вставка                            |                      | FS2085 (T6IP)        |
|               |     | Ключ динамометрический             | FS1385               | FS1385               |
|               |     | Отвёртка                           |                      | FS2086 (T6IP)        |
|               |     | Ключ динамометрический             | FS1386               | FS1386               |
|               |     | Кливец                             | FS1390               | FS1390               |
|               |     | Кливец                             | FS1391               | FS1392               |

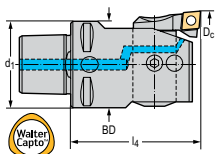
**зенкер, чистовая расточная оправка**
**B5115** 
**Walter Precision XT**

– Установка диаметра в мм и дюймах

|                 |                   |       |
|-----------------|-------------------|-------|
| $D_c$<br>19-167 | $\kappa=92^\circ$ | $Z=1$ |
|-----------------|-------------------|-------|



|       |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|
|       | P | M | K | N | S | H | O |
| B5115 | ● | ● | ● | ● | ● | ● | ● |

**Инструмент**


Walter Capto™ in acc. with ISO 26623

| Обозначение           | $D_c$<br>mm | $d_1$ | $l_4$<br>mm | BD<br>mm | kg  | Тип           |
|-----------------------|-------------|-------|-------------|----------|-----|---------------|
| B5115-035-045-C3-CC06 | 35-45       | C3    | 48          | 32       | 0,7 | CC .. 0602 .. |
| B5115-044-056-C4-CC06 | 44-56       | C4    | 56          | 40       | 0,5 |               |
| B5115-055-070-C5-CC09 | 55-70       | C5    | 70          | 50       | 1   | CC .. 09T3 .. |
| B5115-069-087-C6-CC09 | 69-87       | C6    | 82          | 63       | 1,9 |               |
| B5115-086-107-C6-CC09 | 86-107      | C6    | 94          | 80       | 2,6 |               |
| B5115-106-137-C6-CC09 | 106-137     | C6    | 94          | 100      | 3   |               |
| B5115-106-137-C8-CC09 | 106-137     | C8    | 104         | 100      | 4,3 |               |
| B5115-136-167-C6-CC09 | 136-167     | C6    | 94          | 130      | 3,7 | CC .. 09T3 .. |
| B5115-136-167-C8-CC09 | 136-167     | C8    | 104         | 130      | 4,9 |               |
| B5115-019-023-C3-TC06 | 19-23       | C3    | 89          | 18       | 0,3 | TC .. 06T1 .. |
| B5115-023-029-C3-TC06 | 23-29       | C3    | 105         | 20       | 0,4 |               |
| B5115-028-036-C3-TC06 | 28-36       | C3    | 117         | 25       | 0,5 |               |

Walter Capto™ in acc. with ISO 26623

Корпус и сборочные детали входят в комплект поставки

**Сборочные детали**

| Тип   | CC .. 0602 ..          | CC .. 09T3 ..         | TC .. 06T1 ..          | TC .. 0902 ..          | TC .. 1102 ..          |
|---|------------------------|-----------------------|------------------------|------------------------|------------------------|
| Винт зажимной                                   | FS2624 (SW 3)          | FS2630 (SW 4)         | FS2628 (SW 2)          | FS2624 (SW 3)          | FS2630 (SW 4)          |
| Винт пластины                                   | FS2665 (7IP)<br>0,8 Nm | FS2666 (15IP)<br>3 Nm | FS2633 (6IP)<br>0,6 Nm | FS2664 (7IP)<br>0,8 Nm | FS2665 (7IP)<br>0,8 Nm |
| Винт кассеты                                    | FS2635 (SW 3)          | FS2636 (SW 4)         | FS2634 (SW 2)          | FS2635 (SW 3)          | FS2636 (SW 4)          |
| Заглушка винтовая для отверстия для подвода СОЖ | FS2640 (SW 0,9)        | FS2641 (SW 1,5)       | FS2640 (SW 0,9)        | FS2640 (SW 0,9)        | FS2641 (SW 1,5)        |



B 2

|  | Базовый держатель  | Резцовая вставка |
|--|--------------------|------------------|
|  | B5115-035-045-C3-B | EB716.CC06       |
|  | B5115-044-056-C4-B | EB716.CC06       |
|  | B5115-055-070-C5-B | EB717.CC09       |
|  | B5115-069-087-C6-B | EB717.CC09       |
|  | B5115-086-107-C6-B | EB717.CC09       |
|  | B5115-106-137-C6-B | EB717.CC09       |
|  | B5115-106-137-C8-B | EB717.CC09       |
|  | B5115-136-167-C6-B | EB717.CC09       |
|  | B5115-136-167-C8-B | EB717.CC09       |
|  | B5115-019-023-C3-B | EB713.TC06       |
|  | B5115-023-029-C3-B | EB713.TC06       |
|  | B5115-028-036-C3-B | EB713.TC06       |

### Комплектующие

|  | Тип                                | CC .. 0602 ..-TC .. 0902 .. | CC .. 09T3 ..        | TC .. 06T1 ..        | TC .. 1102 ..        |
|--|------------------------------------|-----------------------------|----------------------|----------------------|----------------------|
|  | Ключ по ISO 2936-1,5               |                             | ISO2936-1,5 (SW 1,5) |                      | ISO2936-1,5 (SW 1,5) |
|  | Ключ по ISO 2936-2                 |                             | ISO2936-2 (SW 2)     | ISO2936-2 (SW 2)     | ISO2936-2 (SW 2)     |
|  | Ключ по ISO 2936-2,5               |                             |                      | ISO2936-2,5 (SW 2,5) |                      |
|  | Ключ по ISO 2936-3                 | ISO2936-3 (SW 3)            |                      |                      |                      |
|  | Ключ по ISO 2936-0,9               | ISO2936-0,9 (SW 0,9)        |                      | ISO2936-0,9 (SW 0,9) |                      |
|  | Ключ по ISO 2936-4                 |                             | ISO2936-4 (SW 4)     |                      | ISO2936-4 (SW 4)     |
|  | Динамометрический ключ, аналоговый | FS2001                      | FS2003               | FS2001               | FS2001               |
|  | Динамометрический ключ, цифровой   |                             | FS2248               |                      |                      |
|  | Вставка                            | FS2011 (T7IP)               |                      | FS2085 (T6IP)        | FS2011 (T7IP)        |
|  | Отвёртка                           | FS2088 (T7IP)               |                      | FS2086 (T6IP)        | FS2088 (T7IP)        |
|  | Вставка                            |                             | FS2014 (T15IP)       |                      |                      |
|  | Отвёртка                           |                             | FS1485 (T15IP)       |                      |                      |
|  | Удлинитель                         | EB736<br>3 Nm               | EB737<br>6 Nm        | EB735<br>1,2 Nm      | EB737<br>6 Nm        |

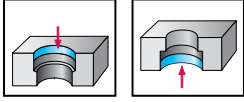
# зенкер, чистовая расточная оправка

**B5115** 

## Walter Precision XT

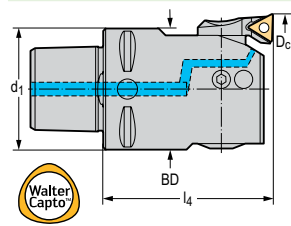
– Установка диаметра в мм и дюймах

|                 |                   |       |
|-----------------|-------------------|-------|
| $D_c$<br>19–167 | $\kappa=92^\circ$ | $Z=1$ |
|-----------------|-------------------|-------|

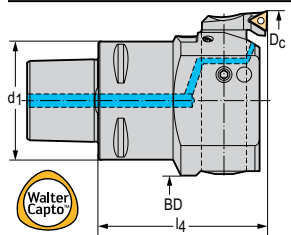


|       |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|
|       | P | M | K | N | S | H | O |
| B5115 | ● | ● | ● | ● | ● | ● | ● |

### Инструмент



Walter Capto™ in acc. with ISO 26623



Walter Capto™ in acc. with ISO 26623

| Обозначение           | $D_c$<br>mm | $d_1$ | $l_4$<br>mm | BD<br>mm | kg  | Тип           |
|-----------------------|-------------|-------|-------------|----------|-----|---------------|
| B5115-035-045-C3-TC09 | 35–45       | C3    | 48          | 32       | 0,3 | TC .. 0902 .. |
| B5115-044-056-C4-TC09 | 44–56       | C4    | 56          | 40       | 0,5 |               |
| B5115-055-070-C5-TC11 | 55–70       | C5    | 66          | 50       | 1   | TC .. 1102 .. |
| B5115-069-087-C6-TC11 | 69–87       | C6    | 78          | 63       | 1,9 |               |
| B5115-086-107-C6-TC11 | 86–107      | C6    | 90          | 80       | 3,1 |               |
| B5115-106-137-C6-TC11 | 106–137     | C6    | 90          | 100      | 3   |               |
| B5115-106-137-C8-TC11 | 106–137     | C8    | 100         | 100      | 4,3 |               |
| B5115-136-167-C6-TC11 | 136–167     | C6    | 90          | 130      | 3,7 |               |
| B5115-136-167-C8-TC11 | 136–167     | C8    | 100         | 130      | 4,9 |               |

Корпус и сборочные детали входят в комплект поставки

### Сборочные детали

| Тип   | CC .. 0602 ..          | CC .. 09T3 ..         | TC .. 06T1 ..          | TC .. 0902 ..          | TC .. 1102 ..          |
|---|------------------------|-----------------------|------------------------|------------------------|------------------------|
| Винт зажимной                                   | FS2624 (SW 3)          | FS2630 (SW 4)         | FS2628 (SW 2)          | FS2624 (SW 3)          | FS2630 (SW 4)          |
| Винт пластины                                   | FS2665 (7IP)<br>0,8 Nm | FS2666 (15IP)<br>3 Nm | FS2633 (6IP)<br>0,6 Nm | FS2664 (7IP)<br>0,8 Nm | FS2665 (7IP)<br>0,8 Nm |
| Винт кассеты                                    | FS2635 (SW 3)          | FS2636 (SW 4)         | FS2634 (SW 2)          | FS2635 (SW 3)          | FS2636 (SW 4)          |
| Заглушка винтовая для отверстия для подвода СОЖ | FS2640 (SW 0,9)        | FS2641 (SW 1,5)       | FS2640 (SW 0,9)        | FS2640 (SW 0,9)        | FS2641 (SW 1,5)        |





|  | Базовый держатель  | Резцовая вставка |
|--|--------------------|------------------|
|  | B5115-035-045-C3-B | EB714.TC09       |
|  | B5115-044-056-C4-B | EB714.TC09       |
|  | B5115-055-070-C5-B | EB715.TC11       |
|  | B5115-069-087-C6-B | EB715.TC11       |
|  | B5115-086-107-C6-B | EB715.TC11       |
|  | B5115-106-137-C6-B | EB715.TC11       |
|  | B5115-106-137-C8-B | EB715.TC11       |
|  | B5115-136-167-C6-B | EB715.TC11       |
|  | B5115-136-167-C8-B | EB715.TC11       |

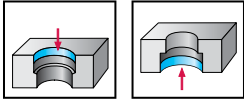
B 2

| Комплектующие |  | Тип                                | CC .. 0602 ..-TC ..<br>0902 .. | CC .. 09T3 ..        | TC .. 06T1 ..        | TC .. 1102 ..        |
|---------------|--|------------------------------------|--------------------------------|----------------------|----------------------|----------------------|
|               |  | Ключ по ISO 2936-1,5               |                                | ISO2936-1,5 (SW 1,5) |                      | ISO2936-1,5 (SW 1,5) |
|               |  | Ключ по ISO 2936-2                 |                                | ISO2936-2 (SW 2)     | ISO2936-2 (SW 2)     | ISO2936-2 (SW 2)     |
|               |  | Ключ по ISO 2936-2,5               |                                |                      | ISO2936-2,5 (SW 2,5) |                      |
|               |  | Ключ по ISO 2936-3                 | ISO2936-3 (SW 3)               |                      |                      |                      |
|               |  | Ключ по ISO 2936-0,9               | ISO2936-0,9 (SW 0,9)           |                      | ISO2936-0,9 (SW 0,9) |                      |
|               |  | Ключ по ISO 2936-4                 |                                | ISO2936-4 (SW 4)     |                      | ISO2936-4 (SW 4)     |
|               |  | Динамометрический ключ, аналоговый | FS2001                         | FS2003               | FS2001               | FS2001               |
|               |  | Динамометрический ключ, цифровой   |                                | FS2248               |                      |                      |
|               |  | Вставка                            | FS2011 (T7IP)                  |                      | FS2085 (T6IP)        | FS2011 (T7IP)        |
|               |  | Отвёртка                           | FS2088 (T7IP)                  |                      | FS2086 (T6IP)        | FS2088 (T7IP)        |
|               |  | Вставка                            |                                | FS2014 (T15IP)       |                      |                      |
|               |  | Отвёртка                           |                                | FS1485 (T15IP)       |                      |                      |
|               |  | Удлинитель                         | EB736<br>3 Nm                  |                      | EB735<br>1,2 Nm      |                      |
|               |  | Удлинитель                         |                                | EB737<br>6 Nm        |                      | EB737<br>6 Nm        |

**зенкер, чистовая расточная оправка**
**B5115** 
**Walter Precision XT**

– Установка диаметра в мм и дюймах

|                 |                   |       |
|-----------------|-------------------|-------|
| $D_c$<br>19-167 | $\kappa=92^\circ$ | $Z=1$ |
|-----------------|-------------------|-------|



|       |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|
|       | P | M | K | N | S | H | O |
| B5115 | ● | ● | ● | ● | ● | ● | ● |

**Инструмент**

| Обозначение  | $D_c$<br>mm            | $d_1$ | $l_4$<br>mm | BD<br>mm | kg | Тип |
|--------------|------------------------|-------|-------------|----------|----|-----|
| <br>ScrewFit | B5115-035-045-T28-CC06 | 35-45 | T28         | 54       | 32 | 0,6 |
|              | B5115-044-056-T36-CC06 | 44-56 | T36         | 56       | 40 | 0,6 |
| <br>ScrewFit | B5115-055-070-T45-CC09 | 55-70 | T45         | 74       | 50 | 1   |
|              | B5115-019-023-T18-TC06 | 19-23 | T18         | 38       | 18 | 0,1 |
| <br>ScrewFit | B5115-023-029-T18-TC06 | 23-29 | T18         | 38       | 20 | 0,1 |
|              | B5115-028-036-T22-TC06 | 28-36 | T22         | 41       | 25 | 0,2 |
|              | B5115-035-045-T28-TC09 | 35-45 | T28         | 54       | 32 | 0,3 |
| <br>ScrewFit | B5115-044-056-T36-TC09 | 44-56 | T36         | 56       | 40 | 0,6 |

Корпус и сборочные детали входят в комплект поставки

**Сборочные детали**

| Тип   | CC .. 0602 ..          | CC .. 09T3 ..         | TC .. 06T1 ..          | TC .. 0902 ..          | TC .. 1102 ..          |
|---|------------------------|-----------------------|------------------------|------------------------|------------------------|
| Винт зажимной                                   | FS2624 (SW 3)          | FS2630 (SW 4)         | FS2628 (SW 2)          | FS2624 (SW 3)          | FS2630 (SW 4)          |
| Винт пластины                                   | FS2665 (7IP)<br>0,8 Nm | FS2666 (15IP)<br>3 Nm | FS2633 (6IP)<br>0,6 Nm | FS2664 (7IP)<br>0,8 Nm | FS2665 (7IP)<br>0,8 Nm |
| Винт кассеты                                    | FS2635 (SW 3)          | FS2636 (SW 4)         | FS2634 (SW 2)          | FS2635 (SW 3)          | FS2636 (SW 4)          |
| Заглушка винтовая для отверстия для подвода СОЖ | FS2640 (SW 0,9)        | FS2641 (SW 1,5)       | FS2640 (SW 0,9)        | FS2640 (SW 0,9)        | FS2641 (SW 1,5)        |
| Ключ динамометрический                          | FS1386                 | FS1386                | FS1386                 | FS1386                 | FS1386                 |
| Кливс   | FS1391                 | FS1393                | FS1389                 | FS1391                 | FS1393                 |
| Adaptor   |                        | FS1394                |                        |                        | FS1394                 |



B 2

| Базовый держатель   | Резцовая вставка |
|---------------------|------------------|
| B5115-035-045-T28-B | EB716.CC06       |
| B5115-044-056-T36-B | EB716.CC06       |
| B5115-055-070-T45-B | EB717.CC09       |
| B5115-019-023-T18-B | EB713.TC06       |
| B5115-023-029-T18-B | EB713.TC06       |
| B5115-028-036-T22-B | EB713.TC06       |
| B5115-035-045-T28-B | EB714.TC09       |
| B5115-044-056-T36-B | EB714.TC09       |

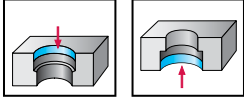
### Комплектующие

| Тип                                | CC .. 0602 ..-TC .. 0902 .. | CC .. 09T3 ..        | TC .. 06T1 ..        | TC .. 1102 ..        |
|------------------------------------|-----------------------------|----------------------|----------------------|----------------------|
| Ключ по ISO 2936-1,5               |                             | ISO2936-1,5 (SW 1,5) |                      | ISO2936-1,5 (SW 1,5) |
| Ключ по ISO 2936-2                 |                             |                      | ISO2936-2 (SW 2)     |                      |
| Ключ по ISO 2936-3                 | ISO2936-3 (SW 3)            |                      |                      |                      |
| Ключ по ISO 2936-0,9               | ISO2936-0,9 (SW 0,9)        |                      | ISO2936-0,9 (SW 0,9) |                      |
| Ключ по ISO 2936-4                 |                             | ISO2936-4 (SW 4)     |                      | ISO2936-4 (SW 4)     |
| Динамометрический ключ, аналоговый | FS2001                      | FS2003               | FS2001               | FS2001               |
| Динамометрический ключ, цифровой   |                             | FS2248               |                      |                      |
| Вставка                            | FS2011 (T7IP)               | FS2014 (T15IP)       | FS2085 (T6IP)        | FS2011 (T7IP)        |
| Отвёртка                           | FS2088 (T7IP)               |                      | FS2086 (T6IP)        | FS2088 (T7IP)        |
| Вставка                            |                             | FS1485 (T15IP)       |                      |                      |
| Отвёртка                           | EB736<br>3 Nm               |                      | EB735<br>1,2 Nm      |                      |
| Удлинитель                         |                             | EB737<br>6 Nm        |                      | EB737<br>6 Nm        |
| Удлинитель                         | FS1386                      |                      | FS1386               | FS1386               |
| Ключ динамометрический             |                             |                      | FS1385               |                      |
| Ключ динамометрический             | FS1391                      |                      |                      |                      |
| Кливис                             |                             |                      | FS1389               | FS1393               |
| Кливис                             |                             |                      |                      | FS1394               |

**зенкер, чистовая расточная оправка**
**B5115** 
**Walter Precision XT**

– Установка диаметра в мм и дюймах

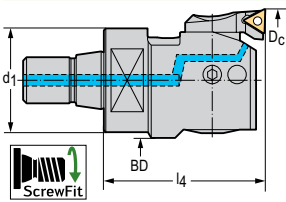
|                 |                   |       |
|-----------------|-------------------|-------|
| $D_c$<br>19-167 | $\kappa=92^\circ$ | Z = 1 |
|-----------------|-------------------|-------|



|       |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|
|       | P | M | K | N | S | H | O |
| B5115 | ● | ● | ● | ● | ● | ● | ● |

**Инструмент**

| Обозначение            | $D_c$<br>mm | $d_1$ | $l_4$<br>mm | BD<br>mm | kg | Тип           |
|------------------------|-------------|-------|-------------|----------|----|---------------|
| B5115-055-070-T45-TC11 | 55-70       | T45   |             | 50       | 1  | TC .. 1102 .. |



ScrewFit

Корпус и сборочные детали входят в комплект поставки

**Сборочные детали**









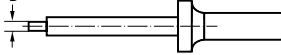
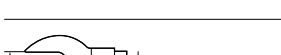
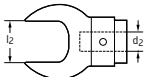
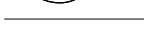

| Тип   | CC .. 0602 ..          | CC .. 09T3 ..         | TC .. 06T1 ..          | TC .. 0902 ..          | TC .. 1102 ..          |
|---|------------------------|-----------------------|------------------------|------------------------|------------------------|
| Винт зажимной                                   | FS2624 (SW 3)          | FS2630 (SW 4)         | FS2628 (SW 2)          | FS2624 (SW 3)          | FS2630 (SW 4)          |
| Винт пластины                                   | FS2665 (7IP)<br>0,8 Nm | FS2666 (15IP)<br>3 Nm | FS2633 (6IP)<br>0,6 Nm | FS2664 (7IP)<br>0,8 Nm | FS2665 (7IP)<br>0,8 Nm |
| Винт кассеты                                    | FS2635 (SW 3)          | FS2636 (SW 4)         | FS2634 (SW 2)          | FS2635 (SW 3)          | FS2636 (SW 4)          |
| Заглушка винтовая для отверстия для подвода СОЖ | FS2640 (SW 0,9)        | FS2641 (SW 1,5)       | FS2640 (SW 0,9)        | FS2640 (SW 0,9)        | FS2641 (SW 1,5)        |
| Ключ динамометрический                          | FS1386                 | FS1386                | FS1386                 | FS1386                 | FS1386                 |
| Кливис  | FS1391                 | FS1393                | FS1389                 | FS1391                 | FS1393                 |
| Adaptor   |                        | FS1394                |                        |                        | FS1394                 |



| Базовый держатель   | Резцовая вставка |
|---------------------|------------------|
| B5115-055-070-T45-B | EB715.TC11       |

B 2

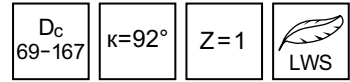
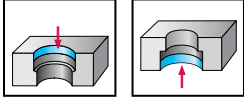
### Комплектующие

| Тип  | CC .. 0602 ..-TC .. 0902 .. | CC .. 09T3 ..        | TC .. 06T1 ..        | TC .. 1102 ..        |
|--|-----------------------------|----------------------|----------------------|----------------------|
| Ключ по ISO 2936-1,5   |                             | ISO2936-1,5 (SW 1,5) |                      | ISO2936-1,5 (SW 1,5) |
| Ключ по ISO 2936-2   |                             |                      | ISO2936-2 (SW 2)     |                      |
| Ключ по ISO 2936-3   | ISO2936-3 (SW 3)            |                      |                      |                      |
| Ключ по ISO 2936-0,9   | ISO2936-0,9 (SW 0,9)        |                      | ISO2936-0,9 (SW 0,9) |                      |
| Ключ по ISO 2936-4   |                             | ISO2936-4 (SW 4)     |                      | ISO2936-4 (SW 4)     |
|  Динамометрический ключ, аналоговый | FS2001                      | FS2003               | FS2001               | FS2001               |
|  Динамометрический ключ, цифровой   |                             | FS2248               |                      |                      |
|  Вставка                            | FS2011 (T7IP)               |                      | FS2085 (T6IP)        | FS2011 (T7IP)        |
|  Отвёртка                           | FS2088 (T7IP)               |                      | FS2086 (T6IP)        | FS2088 (T7IP)        |
|  Вставка                            |                             | FS2014 (T15IP)       |                      |                      |
|  Отвёртка                           |                             | FS1485 (T15IP)       |                      |                      |
|  Удлинитель                         | EB736<br>3 Nm               |                      | EB735<br>1,2 Nm      |                      |
|  Удлинитель                         |                             | EB737<br>6 Nm        |                      | EB737<br>6 Nm        |
|  Ключ динамометрический             | FS1386                      |                      | FS1386               | FS1386               |
|  Ключ динамометрический             |                             |                      | FS1385               |                      |
|  Кливис                             | FS1391                      |                      |                      |                      |
|  Кливис                             |                             |                      | FS1389               | FS1393               |
|  Adaptor                            |                             |                      |                      | FS1394               |

# облегченная чистовая расточная оправка

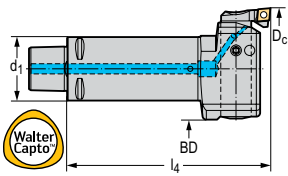
**B5125** mm

## Walter Precision XT

 – Сбалансир. по весу (LWS)  
 – Установка диаметра в мм и дюймах


|       |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|
|       | P | M | K | N | S | H | O |
| B5125 | ● | ● | ● | ● | ● | ● | ● |

### Инструмент



| Обозначение           | D <sub>c</sub><br>mm | d <sub>1</sub> | l <sub>4</sub><br>mm | BD<br>mm | kg  | Тип           |
|-----------------------|----------------------|----------------|----------------------|----------|-----|---------------|
| B5125-069-087-C5-CC09 | 69–87                | C5             | 154                  | 63       | 1,5 | CC .. 09T3 .. |
| B5125-086-107-C5-CC09 | 86–107               | C5             | 160                  | 80       | 1,6 |               |
| B5125-106-137-C6-CC09 | 106–137              | C6             | 194                  | 100      | 3   |               |
| B5125-136-167-C8-CC09 | 136–167              | C8             | 204                  | 130      | 4,1 |               |

Walter Capto™ in acc. with ISO 26623

Корпус и сборочные детали входят в комплект поставки

### Сборочные детали

| Тип   | CC .. 09T3 ..         | TC .. 1102 ..          |
|---|-----------------------|------------------------|
| Винт зажимной                                   | FS2630 (SW 4)         | FS2630 (SW 4)          |
| Винт пластины                                   | FS2666 (15IP)<br>3 Nm | FS2665 (7IP)<br>0,8 Nm |
| Винт кассеты                                    | FS2636 (SW 4)         | FS2636 (SW 4)          |
| Заглушка винтовая для отверстия для подвода СОЖ | FS2641 (SW 1,5)       | FS2641 (SW 1,5)        |



|  | Базовый держатель  | Резцовая вставка |
|--|--------------------|------------------|
|  | B5125-069-087-C5-B | EB717.CC09       |
|  | B5125-086-107-C5-B | EB717.CC09       |
|  | B5125-106-137-C6-B | EB717.CC09       |
|  | B5125-136-167-C8-B | EB717.CC09       |

B 2

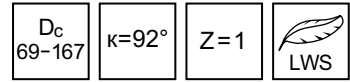
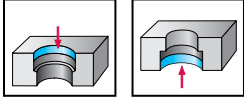
| Комплектующие |                                    |                      |                      |
|---------------|------------------------------------|----------------------|----------------------|
|               | Тип                                | CC .. 09T3 ..        | TC .. 1102 ..        |
|               | Ключ по ISO 2936-1.5               | ISO2936-1.5 (SW 1.5) | ISO2936-1.5 (SW 1,5) |
|               | Ключ по ISO 2936-2                 | ISO2936-2 (SW 2)     | ISO2936-2 (SW 2)     |
|               | Ключ по ISO 2936-4                 | ISO2936-4 (SW 4)     | ISO2936-4 (SW 4)     |
|               | Динамометрический ключ, аналоговый | FS2003               | FS2001               |
|               | Динамометрический ключ, аналоговый |                      | FS2011 (T7IP)        |
|               | Динамометрический ключ, цифровой   | FS2248               |                      |
|               | Отвёртка                           |                      | FS2088 (T7IP)        |
|               | Вставка                            | FS2014 (T15IP)       |                      |
|               | Отвёртка                           | FS1485 (T15IP)       |                      |
|               | Удлинитель                         | EB737<br>6 Nm        | EB737<br>6 Nm        |

# облегченная чистовая расточная оправка

**B5125** 

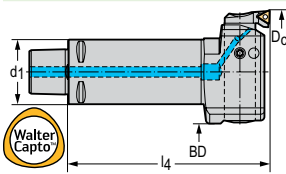
## Walter Precision XT

- Сбалансир. по весу (LWS)
- Установка диаметра в мм и дюймах



|       |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|
|       | P | M | K | N | S | H | O |
| B5125 | ● | ● | ● | ● | ● | ● | ● |

### Инструмент



| Обозначение           | D <sub>c</sub><br>mm | d <sub>1</sub> | l <sub>4</sub><br>mm | BD<br>mm | kg  | Тип           |
|-----------------------|----------------------|----------------|----------------------|----------|-----|---------------|
| B5125-069-087-C5-TC11 | 69-87                | C5             | 150                  | 63       | 1,5 | ТС .. 1102 .. |
| B5125-086-107-C5-TC11 | 86-107               | C5             | 156                  | 80       | 1,6 |               |
| B5125-106-137-C6-TC11 | 106-137              | C6             | 190                  | 100      | 3   |               |
| B5125-136-167-C8-TC11 | 136-167              | C8             | 200                  | 130      | 4,1 |               |

Walter Capto™ in acc. with ISO 26623

Корпус и сборочные детали входят в комплект поставки

### Сборочные детали

| Тип   | CC .. 09T3 ..         | ТС .. 1102 ..          |
|---|-----------------------|------------------------|
| Винт зажимной                                   | FS2630 (SW 4)         | FS2630 (SW 4)          |
| Винт пластины                                   | FS2666 (15IP)<br>3 Nm | FS2665 (7IP)<br>0,8 Nm |
| Винт кассеты                                    | FS2636 (SW 4)         | FS2636 (SW 4)          |
| Заглушка винтовая для отверстия для подвода СОЖ | FS2641 (SW 1,5)       | FS2641 (SW 1,5)        |





|  | Базовый держатель  | Резцовая вставка |
|--|--------------------|------------------|
|  | B5125-069-087-C5-B | EB715.TC11       |
|  | B5125-086-107-C5-B | EB715.TC11       |
|  | B5125-106-137-C6-B | EB715.TC11       |
|  | B5125-136-167-C8-B | EB715.TC11       |

B 2

| Комплектующие |                                    |                      |                      |
|---------------|------------------------------------|----------------------|----------------------|
|               | Тип                                | CC .. 09T3 ..        | TC .. 1102 ..        |
|               | Ключ по ISO 2936-1.5               | ISO2936-1.5 (SW 1.5) | ISO2936-1.5 (SW 1,5) |
|               | Ключ по ISO 2936-2                 | ISO2936-2 (SW 2)     | ISO2936-2 (SW 2)     |
|               | Ключ по ISO 2936-4                 | ISO2936-4 (SW 4)     | ISO2936-4 (SW 4)     |
|               | Динамометрический ключ, аналоговый | FS2003               | FS2001               |
|               | Динамометрический ключ, аналоговый |                      | FS2011 (T7IP)        |
|               | Динамометрический ключ, цифровой   | FS2248               |                      |
|               | Отвёртка                           |                      | FS2088 (T7IP)        |
|               | Вставка                            | FS2014 (T15IP)       |                      |
|               | Отвёртка                           | FS1485 (T15IP)       |                      |
|               | Удлинитель                         | EB737<br>6 Nm        | EB737<br>6 Nm        |

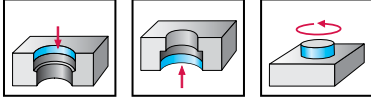
# зенкер, чистовая расточная оправка

**B5120** 

## Walter Precision XT

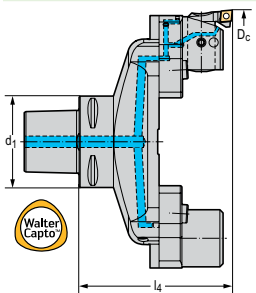
 – Базовый корпус/корпус также можно использовать для B5460 и B5560  
 – Установка диаметра в мм и дюймах

|                               |       |       |
|-------------------------------|-------|-------|
| D <sub>c</sub><br>148-<br>635 | κ=92° | Z = 1 |
|-------------------------------|-------|-------|



|       |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|
|       | P | M | K | N | S | H | O |
| B5120 | ● | ● | ● | ● | ● | ● | ● |

### Инструмент



| Обозначение           | D <sub>c</sub><br>mm | d <sub>1</sub> | l <sub>4</sub><br>mm | kg  | Тип           |
|-----------------------|----------------------|----------------|----------------------|-----|---------------|
| B5120-148-215-C8-CC09 | 148–215              | C8             | 134                  | 6,2 | CC .. 09T3 .. |
| B5120-198-265-C8-CC09 | 198–265              | C8             | 134                  | 7,4 |               |
| B5120-248-315-C8-CC09 | 248–315              | C8             | 134                  | 8,5 |               |

Walter Capto™ in acc. with ISO 26623

Корпус и сборочные детали входят в комплект поставки

### Сборочные детали

| Тип   | CC .. 09T3 ..         | TC .. 1102 ..          |
|---|-----------------------|------------------------|
| Винт зажимной                                   | FS2646 (SW 5)         | FS2646 (SW 5)          |
| Заглушка винтовая для отверстия для подвода СОЖ | FS2641 (SW 1,5)       | FS2641 (SW 1,5)        |
| Винт пластины                                   | FS2666 (15IP)<br>3 Nm | FS2665 (7IP)<br>0,8 Nm |
| Подкладная шайба                                | FS2649                | FS2649                 |
| Комплект для регулировки                        | FS2653 (SW 3)         | FS2653 (SW 3)          |
| Уплотнительное кольцо                           | FS2657                | FS2657                 |
| Шпилька   | FS2654                | FS2654                 |



B 2

| Базовый держатель  | Корпус | Базовый держатель | Чистовая расточная головка | Противовес | Резцовая вставка |
|--------------------|--------|-------------------|----------------------------|------------|------------------|
| B5120-148-000-C8-B |        | EB719             | EB718                      | EB721      | EB717.CC09       |
| B5120-198-000-C8-B |        | EB719             | EB718                      | EB721      | EB717.CC09       |
| B5120-248-000-C8-B |        | EB719             | EB718                      | EB721      | EB717.CC09       |

### Комплектующие

| Тип                                | CC .. 09T3 ..        | TC .. 1102 ..        |
|------------------------------------|----------------------|----------------------|
| Ключ по ISO 2936-1.5               | ISO2936-1.5 (SW 1.5) | ISO2936-1.5 (SW 1,5) |
| Ключ по ISO 2936-3                 | ISO2936-3 (SW 3)     | ISO2936-3 (SW 3)     |
| Ключ по ISO 2936-4                 | ISO2936-4 (SW 4)     | ISO2936-4 (SW 4)     |
| Ключ по ISO 2936-5                 | ISO2936-5 (SW 5)     | ISO2936-5 (SW 5)     |
| Ключ по ISO 2936-8                 | ISO2936-8 (SW 8)     | ISO2936-8 (SW 8)     |
| Динамометрический ключ, аналоговый | FS2003               | FS2001               |
| Ключ по ISO 2936-10                | ISO2936-10 (SW 10)   | ISO2936-10 (SW 10)   |
| Динамометрический ключ, цифровой   | FS2248               |                      |
| Ключ по ISO 2936-14                | ISO2936-14 (SW 14)   | ISO2936-14 (SW 14)   |
| Вставка                            | FS2014 (T15IP)       | FS2011 (T7IP)        |
| Отвёртка                           | FS1485 (T15IP)       | FS2088 (T7IP)        |
| Удлинитель                         | EB737<br>6 Nm        | EB737<br>6 Nm        |

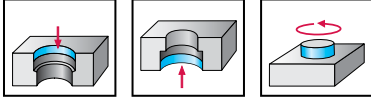
# зенкер, чистовая расточная оправка

**B5120** 

## Walter Precision XT

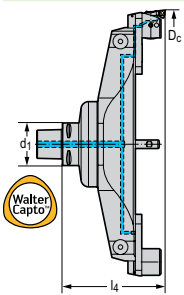
 – Базовый корпус/корпус также можно использовать для B5460 и B5560  
 – Установка диаметра в мм и дюймах

|                               |       |       |
|-------------------------------|-------|-------|
| D <sub>c</sub><br>148-<br>635 | κ=92° | Z = 1 |
|-------------------------------|-------|-------|



|       |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|
|       | P | M | K | N | S | H | O |
| B5120 | ● | ● | ● | ● | ● | ● | ● |

### Инструмент



| Обозначение           | D <sub>c</sub><br>mm | d <sub>1</sub> | l <sub>4</sub><br>mm | kg   | Тип           |
|-----------------------|----------------------|----------------|----------------------|------|---------------|
| B5120-298-395-C8-CC09 | 298-395              | C8             | 183                  | 15,1 | CC .. 09T3 .. |
| B5120-378-475-C8-CC09 | 378-475              | C8             | 188                  | 16,8 |               |
| B5120-458-555-C8-CC09 | 458-555              | C8             | 193                  | 18,8 |               |
| B5120-538-635-C8-CC09 | 538-635              | C8             | 198                  | 21,2 |               |

Walter Capto™ in acc. with ISO 26623

Корпус и сборочные детали входят в комплект поставки

### Сборочные детали

| Тип   | CC .. 09T3 ..         | TC .. 1102 ..          |
|---|-----------------------|------------------------|
| Винт зажимной                                   | FS2646 (SW 5)         | FS2646 (SW 5)          |
| Заглушка винтовая для отверстия для подвода СОЖ | FS2641 (SW 1,5)       | FS2641 (SW 1,5)        |
| Винт пластины                                   | FS2666 (15IP)<br>3 Nm | FS2665 (7IP)<br>0,8 Nm |
| Подкладная шайба                                | FS2649                | FS2649                 |
| Комплект для регулировки                        | FS2653 (SW 3)         | FS2653 (SW 3)          |
| Уплотнительное кольцо                           | FS2657                | FS2657                 |
| Шпилька   | FS2654                | FS2654                 |



B 2

| Базовый держатель  | Корпус | Базовый держатель | Чистовая расточная головка | Противовес | Резцовая вставка |
|--------------------|--------|-------------------|----------------------------|------------|------------------|
| B5120-298-000-C8-B | EB731  | EB720             | EB718                      | EB722      | EB717.CC09       |
| B5120-298-000-C8-B | EB732  | EB720             | EB718                      | EB722      | EB717.CC09       |
| B5120-298-000-C8-B | EB733  | EB720             | EB718                      | EB722      | EB717.CC09       |
| B5120-298-000-C8-B | EB734  | EB720             | EB718                      | EB722      | EB717.CC09       |

### Комплектующие

| Тип | CC .. 09T3 ..                      | TC .. 1102 ..        |                      |
|-----|------------------------------------|----------------------|----------------------|
|     | Ключ по ISO 2936-1.5               | ISO2936-1.5 (SW 1.5) | ISO2936-1.5 (SW 1,5) |
|     | Ключ по ISO 2936-3                 | ISO2936-3 (SW 3)     | ISO2936-3 (SW 3)     |
|     | Ключ по ISO 2936-4                 | ISO2936-4 (SW 4)     | ISO2936-4 (SW 4)     |
|     | Ключ по ISO 2936-5                 | ISO2936-5 (SW 5)     | ISO2936-5 (SW 5)     |
|     | Ключ по ISO 2936-8                 | ISO2936-8 (SW 8)     | ISO2936-8 (SW 8)     |
|     | Динамометрический ключ, аналоговый | FS2003               | FS2001               |
|     | Ключ по ISO 2936-10                | ISO2936-10 (SW 10)   | ISO2936-10 (SW 10)   |
|     | Динамометрический ключ, цифровой   | FS2248               |                      |
|     | Ключ по ISO 2936-14                | ISO2936-14 (SW 14)   | ISO2936-14 (SW 14)   |
|     | Вставка                            | FS2014 (T15IP)       | FS2011 (T7IP)        |
|     | Отвёртка                           | FS1485 (T15IP)       | FS2088 (T7IP)        |
|     | Удлинитель                         | EB737<br>6 Nm        | EB737<br>6 Nm        |

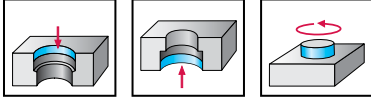
# зенкер, чистовая расточная оправка

**B5120** 

## Walter Precision XT

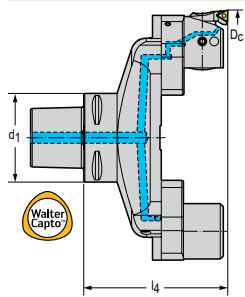
 – Базовый корпус/корпус также можно использовать для B5460 и B5560  
 – Установка диаметра в мм и дюймах

|                               |       |       |
|-------------------------------|-------|-------|
| D <sub>c</sub><br>148-<br>635 | κ=92° | Z = 1 |
|-------------------------------|-------|-------|



|       |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|
|       | P | M | K | N | S | H | O |
| B5120 | ● | ● | ● | ● | ● | ● | ● |

### Инструмент



Walter Capto™ in acc. with ISO 26623

| Обозначение           | D <sub>c</sub><br>mm | d <sub>1</sub> | l <sub>4</sub><br>mm | kg  | Тип           |
|-----------------------|----------------------|----------------|----------------------|-----|---------------|
| B5120-148-215-C8-TC11 | 148-215              | C8             | 130                  | 6,2 | ТС .. 1102 .. |
| B5120-198-265-C8-TC11 | 198-265              | C8             | 130                  | 7,4 |               |
| B5120-248-315-C8-TC11 | 248-315              | C8             | 130                  | 8,5 |               |

Корпус и сборочные детали входят в комплект поставки

### Сборочные детали

| Тип   | CC .. 09T3 ..         | ТС .. 1102 ..          |
|---|-----------------------|------------------------|
| Винт зажимной                                   | FS2646 (SW 5)         | FS2646 (SW 5)          |
| Заглушка винтовая для отверстия для подвода СОЖ | FS2641 (SW 1,5)       | FS2641 (SW 1,5)        |
| Винт пластины                                   | FS2666 (15IP)<br>3 Nm | FS2665 (7IP)<br>0,8 Nm |
| Подкладная шайба                                | FS2649                | FS2649                 |
| Комплект для регулировки                        | FS2653 (SW 3)         | FS2653 (SW 3)          |
| Уплотнительное кольцо                           | FS2657                | FS2657                 |
| Шпилька   | FS2654                | FS2654                 |



B 2

| Базовый держатель  | Корпус | Базовый держатель | Чистовая расточная головка | Противовес | Резцовая вставка |
|--------------------|--------|-------------------|----------------------------|------------|------------------|
| B5120-148-000-C8-B |        | EB719             | EB718                      | EB721      | EB715.TC11       |
| B5120-198-000-C8-B |        | EB719             | EB718                      | EB721      | EB715.TC11       |
| B5120-248-000-C8-B |        | EB719             | EB718                      | EB721      | EB715.TC11       |

| Комплектующие |                                    | Тип | CC .. 09T3 ..        | TC .. 1102 ..        |
|---------------|------------------------------------|-----|----------------------|----------------------|
|               | Ключ по ISO 2936-1.5               |     | ISO2936-1.5 (SW 1.5) | ISO2936-1.5 (SW 1,5) |
|               | Ключ по ISO 2936-3                 |     | ISO2936-3 (SW 3)     | ISO2936-3 (SW 3)     |
|               | Ключ по ISO 2936-4                 |     | ISO2936-4 (SW 4)     | ISO2936-4 (SW 4)     |
|               | Ключ по ISO 2936-5                 |     | ISO2936-5 (SW 5)     | ISO2936-5 (SW 5)     |
|               | Ключ по ISO 2936-8                 |     | ISO2936-8 (SW 8)     | ISO2936-8 (SW 8)     |
|               | Динамометрический ключ, аналоговый |     | FS2003               | FS2001               |
|               | Ключ по ISO 2936-10                |     | ISO2936-10 (SW 10)   | ISO2936-10 (SW 10)   |
|               | Динамометрический ключ, цифровой   |     | FS2248               |                      |
|               | Ключ по ISO 2936-14                |     | ISO2936-14 (SW 14)   | ISO2936-14 (SW 14)   |
|               | Вставка                            |     | FS2014 (T15IP)       | FS2011 (T7IP)        |
|               | Отвёртка                           |     | FS1485 (T15IP)       | FS2088 (T7IP)        |
|               | Удлинитель                         |     | EB737<br>6 Nm        | EB737<br>6 Nm        |

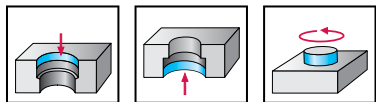
# зенкер, чистовая расточная оправка

**B5120** 

## Walter Precision XT

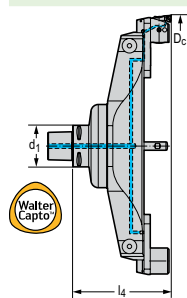
 – Базовый корпус/корпус также можно использовать для B5460 и B5560  
 – Установка диаметра в мм и дюймах

|                               |       |       |
|-------------------------------|-------|-------|
| D <sub>c</sub><br>148-<br>635 | κ=92° | Z = 1 |
|-------------------------------|-------|-------|



|       |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|
|       | P | M | K | N | S | H | O |
| B5120 | ● | ● | ● | ● | ● | ● | ● |

### Инструмент



Walter Capto™ in acc. with ISO 26623

| Обозначение           | D <sub>c</sub><br>mm | d <sub>1</sub> | l <sub>4</sub><br>mm | kg   | Тип           |
|-----------------------|----------------------|----------------|----------------------|------|---------------|
| B5120-298-395-C8-TC11 | 298-395              | C8             | 179                  | 15,1 | ТС .. 1102 .. |
| B5120-378-475-C8-TC11 | 378-475              | C8             | 184                  | 16,8 |               |
| B5120-458-555-C8-TC11 | 458-555              | C8             | 189                  | 18,8 |               |
| B5120-538-635-C8-TC11 | 538-635              | C8             | 194                  | 21,2 |               |

Корпус и сборочные детали входят в комплект поставки

### Сборочные детали

| Тип   | CC .. 09T3 ..         | ТС .. 1102 ..          |
|---|-----------------------|------------------------|
| Винт зажимной                                   | FS2646 (SW 5)         | FS2646 (SW 5)          |
| Заглушка винтовая для отверстия для подвода СОЖ | FS2641 (SW 1,5)       | FS2641 (SW 1,5)        |
| Винт пластины                                   | FS2666 (15IP)<br>3 Nm | FS2665 (7IP)<br>0,8 Nm |
| Подкладная шайба                                | FS2649                | FS2649                 |
| Комплект для регулировки                        | FS2653 (SW 3)         | FS2653 (SW 3)          |
| Уплотнительное кольцо                           | FS2657                | FS2657                 |
| Шпилька   | FS2654                | FS2654                 |





B 2

| Базовый держатель  | Корпус | Базовый держатель | Чистовая расточная головка | Противовес | Резцовая вставка |
|--------------------|--------|-------------------|----------------------------|------------|------------------|
| B5120-298-000-C8-B | EB731  | EB720             | EB718                      | EB722      | EB715.TC11       |
| B5120-298-000-C8-B | EB732  | EB720             | EB718                      | EB722      | EB715.TC11       |
| B5120-298-000-C8-B | EB733  | EB720             | EB718                      | EB722      | EB715.TC11       |
| B5120-298-000-C8-B | EB734  | EB720             | EB718                      | EB722      | EB715.TC11       |

### Комплектующие

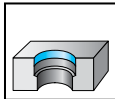
| Тип                                | CC .. 09T3 ..        | TC .. 1102 ..        |
|------------------------------------|----------------------|----------------------|
| Ключ по ISO 2936-1.5               | ISO2936-1.5 (SW 1.5) | ISO2936-1.5 (SW 1,5) |
| Ключ по ISO 2936-3                 | ISO2936-3 (SW 3)     | ISO2936-3 (SW 3)     |
| Ключ по ISO 2936-4                 | ISO2936-4 (SW 4)     | ISO2936-4 (SW 4)     |
| Ключ по ISO 2936-5                 | ISO2936-5 (SW 5)     | ISO2936-5 (SW 5)     |
| Ключ по ISO 2936-8                 | ISO2936-8 (SW 8)     | ISO2936-8 (SW 8)     |
| Динамометрический ключ, аналоговый | FS2003               | FS2001               |
| Ключ по ISO 2936-10                | ISO2936-10 (SW 10)   | ISO2936-10 (SW 10)   |
| Динамометрический ключ, цифровой   | FS2248               |                      |
| Ключ по ISO 2936-14                | ISO2936-14 (SW 14)   | ISO2936-14 (SW 14)   |
| Вставка                            | FS2014 (T15IP)       | FS2011 (T7IP)        |
| Отвёртка                           | FS1485 (T15IP)       | FS2088 (T7IP)        |
| Удлинитель                         | EB737<br>6 Nm        | EB737<br>6 Nm        |

## зенкер, чистовая расточная оправка

 B4035 

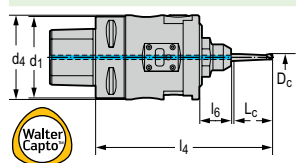
κ=93°

Z=1

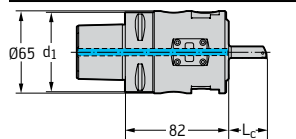


|       |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|
|       | P | M | K | N | S | H | O |
| B4035 | ● | ● | ● | ● | ● | ● | ● |

## Инструмент



Walter Capto™ in acc. with ISO 26623



Walter Capto™ in acc. with ISO 26623

| Обозначение             | D <sub>c</sub><br>mm | d <sub>1</sub> | L <sub>c</sub><br>mm | kg | Тип           |
|-------------------------|----------------------|----------------|----------------------|----|---------------|
| B4035.C6.03-10.Z1.P15   | 3-10                 | C6             | 10                   | 2  |               |
| B4035.C6.04-11.Z1.P15   | 4-11                 | C6             | 10                   | 2  |               |
| B4035.C6.05-12.Z1.P15.M | 5-12                 | C6             | 20                   | 2  |               |
| B4035.C6.05-12.Z1.P15.S | 5-12                 | C6             | 10                   | 2  |               |
| B4035.C6.06-13.Z1.P15.M | 6-13                 | C6             | 30                   | 2  |               |
| B4035.C6.06-13.Z1.P15.S | 6-13                 | C6             | 20                   | 2  |               |
| B4035.C6.08-15.Z1.P15.M | 8-15                 | C6             | 48                   | 2  |               |
| B4035.C6.08-15.Z1.P15.S | 8-15                 | C6             | 23                   | 2  |               |
| B4035.C6.10-12.Z1.WC03  | 10-12                | C6             | 52                   | 2  | WC .. 0302 .. |
| B4035.C6.10-17.Z1.WC03  | 10-17                | C6             | 27                   | 2  |               |
| B4035.C6.11-18.Z1.WC03  | 11-18                | C6             | 27                   | 2  |               |
| B4035.C6.12-14.Z1.WC03  | 12-14                | C6             | 62                   | 2  |               |
| B4035.C6.12-19.Z1.WC03  | 12-19                | C6             | 42                   | 2  |               |
| B4035.C6.13-20.Z1.WC03  | 13-20                | C6             | 42                   | 2  |               |
| B4035.C6.14-16.Z1.WC03  | 14-16                | C6             | 72                   | 2  |               |
| B4035.C6.14-21.Z1.WC03  | 14-21                | C6             | 47                   | 2  |               |
| B4035.C6.15-22.Z1.WC03  | 15-22                | C6             | 47                   | 2  |               |
| B4035.C6.16-18.Z1.WC03  | 16-18                | C6             | 82                   | 2  |               |
| B4035.C6.16-23.Z1.WC03  | 16-23                | C6             | 57                   | 2  |               |
| B4035.C6.17-24.Z1.WC03  | 17-24                | C6             | 57                   | 2  |               |
| B4035.C6.18-20.Z1.WC03  | 18-20                | C6             | 92                   | 2  |               |
| B4035.C6.18-25.Z1.WC03  | 18-25                | C6             | 65                   | 2  |               |
| B4035.C6.19-26.Z1.WC03  | 19-26                | C6             | 65                   | 2  |               |

Корпус и сборочные детали входят в комплект поставки

## Сборочные детали

| Тип   | WC .. 0302 ..           |
|---|-------------------------|
| Винт  | FS2101                  |
| Винт пластины                                 | FS2084 (T7IP)<br>0,9 Nm |
| Установочный винт ЪЪ                          | FS2102                  |
| Элемент питания                               | FS2122                  |
| Кольцо уплотн. для гнезда под элемент питания | FS2121                  |
| Крышка гнезда под элемент питания             | FS2123                  |



B 2

| Базовый держатель    | Расточная державка | Расточная державка |
|----------------------|--------------------|--------------------|
| B4035G.C6.002-124.Z1 | EB603.WXP15        | EB603.WXP15        |
| B4035G.C6.002-124.Z1 | EB604.WXP15        | EB604.WXP15        |
| B4035G.C6.002-124.Z1 | EB606.WXP15        | EB606.WXP15        |
| B4035G.C6.002-124.Z1 | EB605.WXP15        | EB605.WXP15        |
| B4035G.C6.002-124.Z1 | EB608.WXP15        | EB608.WXP15        |
| B4035G.C6.002-124.Z1 | EB607.WXP15        | EB607.WXP15        |
| B4035G.C6.002-124.Z1 | EB610.WXP15        | EB610.WXP15        |
| B4035G.C6.002-124.Z1 | EB609.WXP15        | EB609.WXP15        |
| B4035G.C6.002-124.Z1 | EB637.WC03.CS      | EB637.WC03.CS      |
| B4035G.C6.002-124.Z1 | EB611.WC03         | EB611.WC03         |
| B4035G.C6.002-124.Z1 | EB612.WC03         | EB612.WC03         |
| B4035G.C6.002-124.Z1 | EB638.WC03.CS      | EB638.WC03.CS      |
| B4035G.C6.002-124.Z1 | EB613.WC03         | EB613.WC03         |
| B4035G.C6.002-124.Z1 | EB614.WC03         | EB614.WC03         |
| B4035G.C6.002-124.Z1 | EB639.WC03.CS      | EB639.WC03.CS      |
| B4035G.C6.002-124.Z1 | EB615.WC03         | EB615.WC03         |
| B4035G.C6.002-124.Z1 | EB616.WC03         | EB616.WC03         |
| B4035G.C6.002-124.Z1 | EB640.WC03.CS      | EB640.WC03.CS      |
| B4035G.C6.002-124.Z1 | EB617.WC03         | EB617.WC03         |
| B4035G.C6.002-124.Z1 | EB618.WC03         | EB618.WC03         |
| B4035G.C6.002-124.Z1 | EB641.WC03.CS      | EB641.WC03.CS      |
| B4035G.C6.002-124.Z1 | EB619.WC03         | EB619.WC03         |
| B4035G.C6.002-124.Z1 | EB620.WC03         | EB620.WC03         |

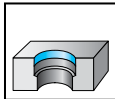
| Комплектующие |                             | WC .. 0302 ..        |                      |
|---------------|-----------------------------|----------------------|----------------------|
| Тип           |                             |                      |                      |
|               | Отвёртка для винта пластины |                      | FS2088 (T7IP)        |
|               | Отвёртка для регулировки    | FS1174 (T25)         | FS1174 (T25)         |
|               | Ключ по ISO 2936-1,5        | ISO2936-1,5 (SW 1,5) | ISO2936-1,5 (SW 1,5) |
|               | Ключ по ISO 2936-3          | ISO2936-3 (SW 3)     | ISO2936-3 (SW 3)     |

## зенкер, чистовая расточная оправка

 B4035 

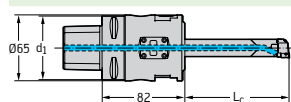
κ=93°

Z = 1



|       |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|
|       | P | M | K | N | S | H | O |
| B4035 | ● | ● | ● | ● | ● | ● | ● |

## Инструмент



Walter Capto™ in acc. with ISO 26623

| Обозначение              | D <sub>c</sub><br>mm | d <sub>1</sub> | L <sub>c</sub><br>mm | kg | Тип           |
|--------------------------|----------------------|----------------|----------------------|----|---------------|
| B4035.C6.20-24.Z1.WC04.M | 20-24                | C6             | 117                  | 2  | WC .. 0402 .. |
| B4035.C6.20-24.Z1.WC04.S | 20-24                | C6             | 77                   | 2  |               |
| B4035.C6.22-26.Z1.WC04.M | 22-26                | C6             | 117                  | 2  |               |
| B4035.C6.22-26.Z1.WC04.S | 22-26                | C6             | 77                   | 2  |               |
| B4035.C6.24-28.Z1.WC04.M | 24-28                | C6             | 117                  | 2  |               |
| B4035.C6.24-28.Z1.WC04.S | 24-28                | C6             | 77                   | 2  |               |
| B4035.C6.26-30.Z1.WC04.M | 26-30                | C6             | 117                  | 2  |               |
| B4035.C6.26-30.Z1.WC04.S | 26-30                | C6             | 77                   | 2  |               |
| B4035.C6.28-32.Z1.WC04.M | 28-32                | C6             | 117                  | 2  |               |
| B4035.C6.28-32.Z1.WC04.S | 28-32                | C6             | 77                   | 2  |               |
| B4035.C6.30-34.Z1.WC04.M | 30-34                | C6             | 117                  | 2  |               |
| B4035.C6.30-34.Z1.WC04.S | 30-34                | C6             | 77                   | 2  |               |
| B4035.C6.32-41.Z1.WC04   | 32-41                | C6             | 63                   | 2  |               |
| B4035.C6.41-50.Z1.WC04   | 41-50                | C6             | 99                   | 2  |               |
| B4035.C6.50-59.Z1.WC04   | 50-59                | C6             | 72                   | 2  |               |
| B4035.C6.59-68.Z1.WC04   | 59-68                | C6             | 117                  | 2  |               |

Корпус и сборочные детали входят в комплект поставки

## Сборочные детали

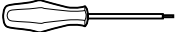
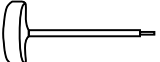

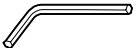
| Тип   | WC .. 0402 ..           |
|---|-------------------------|
| Винт  | FS2101                  |
| Винт пластины                                 | FS1454 (T8IP)<br>1,2 Nm |
| Установочный винт ЪЪ                          | FS2102                  |
| Элемент питания                               | FS2122                  |
| Кольцо уплотн. для гнезда под элемент питания | FS2121                  |
| Крышка гнезда под элемент питания             | FS2123                  |



B 2

| Базовый держатель    | Удлинитель | Резцовая вставка |
|----------------------|------------|------------------|
| B4035G.C6.002-124.Z1 | EB643.CS   | EB644.WC04       |
| B4035G.C6.002-124.Z1 | EB642      | EB644.WC04       |
| B4035G.C6.002-124.Z1 | EB643.CS   | EB645.WC04       |
| B4035G.C6.002-124.Z1 | EB642      | EB645.WC04       |
| B4035G.C6.002-124.Z1 | EB643.CS   | EB621.WC04       |
| B4035G.C6.002-124.Z1 | EB642      | EB621.WC04       |
| B4035G.C6.002-124.Z1 | EB643.CS   | EB622.WC04       |
| B4035G.C6.002-124.Z1 | EB642      | EB622.WC04       |
| B4035G.C6.002-124.Z1 | EB643.CS   | EB623.WC04       |
| B4035G.C6.002-124.Z1 | EB642      | EB623.WC04       |
| B4035G.C6.002-124.Z1 | EB643.CS   | EB624.WC04       |
| B4035G.C6.002-124.Z1 | EB642      | EB624.WC04       |
| B4035G.C6.002-124.Z1 | EB625      | EB629.WC04       |
| B4035G.C6.002-124.Z1 | EB626      | EB630.WC04       |
| B4035G.C6.002-124.Z1 | EB627      | EB629.WC04       |
| B4035G.C6.002-124.Z1 | EB628      | EB630.WC04       |

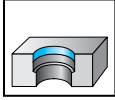
## Комплектующие

|   | Тип                         | WC .. 0402 ..        |
|---|-----------------------------|----------------------|
|  | Отвёртка для винта пластины | FS1483 (T8IP)        |
|  | Отвёртка для регулировки    | FS1174 (T25)         |
|  | Ключ по ISO 2936-1,5        | ISO2936-1,5 (SW 1,5) |
|  | Ключ по ISO 2936-3          | ISO2936-3 (SW 3)     |

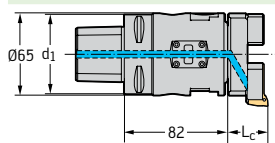
**зенкер, чистовая расточная оправка**
**B4035** 

κ=93°

Z=1



|       |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|
|       | P | M | K | N | S | H | O |
| B4035 | ● | ● | ● | ● | ● | ● | ● |

**Инструмент**


Обозначение

 D<sub>c</sub>  
mm

 d<sub>1</sub>

 L<sub>c</sub>  
mm


Тип

 B4035.C6.68-96.Z1.WC04  
 B4035.C6.96-124.Z1.WC04

 68-96  
 96-124

 C6  
 C6

 2  
 2

WC .. 0402 ..

Walter Capto™ in acc. with ISO 26623

Корпус и сборочные детали входят в комплект поставки

**Сборочные детали**

|  | Тип   | WC .. 0402 ..           |
|--|---|-------------------------|
|  | Винт  | FS2101                  |
|  | Винт пластины                                 | FS1454 (T8IP)<br>1,2 Nm |
|  | Установочный винт ЪЪ                          | FS2102                  |
|  | Элемент питания                               | FS2122                  |
|  | Кольцо уплотн. для гнезда под элемент питания | FS2121                  |
|  | Крышка гнезда под элемент питания             | FS2123                  |



| Базовый держатель    | Корпус | Противовес | Резцовая вставка |
|----------------------|--------|------------|------------------|
| B4035G.C6.002-124.Z1 | EB631  | EB635      | EB634.WC04       |
| B4035G.C6.002-124.Z1 | EB632  | EB635      | EB634.WC04       |

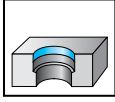
B 2

| Комплектующие |  |                      |
|---------------|--|----------------------|
| Тип           | WC .. 0402 ..                          |                      |
|               | Отвёртка для винта пластины            | FS1483 (T8IP)        |
|               | Отвёртка для регулировки               | FS1174 (T25)         |
|               | Ключ по ISO 2936-1,5                   | ISO2936-1,5 (SW 1,5) |
|               | Ключ по ISO 2936-3                     | ISO2936-3 (SW 3)     |
|               | Переходник для подвода СОЖ для корпуса | EB636                |

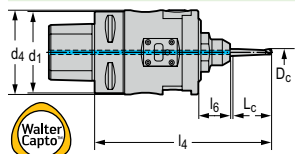
**зенкер, чистовая расточная оправка**
**B4035**    **inch**

κ=93°

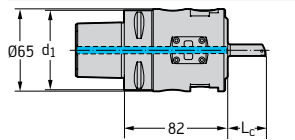
Z = 1



|       |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|
|       | P | M | K | N | S | H | O |
| B4035 | ● | ● | ● | ● | ● | ● | ● |

**Инструмент**


Walter Capto™ in acc. with ISO 26623



Walter Capto™ in acc. with ISO 26623

| Обозначение              | D <sub>c</sub><br>inch | d <sub>1</sub> | L <sub>c</sub><br>inch | lbs   | Тип           |
|--------------------------|------------------------|----------------|------------------------|-------|---------------|
| B4035.UC6.03-10.Z1.P15   | 0,118–0,394            | C6             | 0,394                  | 4,299 |               |
| B4035.UC6.04-11.Z1.P15   | 0,157–0,433            | C6             | 0,394                  | 4,299 |               |
| B4035.UC6.05-12.Z1.P15.M | 0,197–0,472            | C6             | 0,787                  | 4,299 |               |
| B4035.UC6.05-12.Z1.P15.S | 0,197–0,472            | C6             | 0,394                  | 4,299 |               |
| B4035.UC6.06-13.Z1.P15.M | 0,236–0,512            | C6             | 1,181                  | 4,299 |               |
| B4035.UC6.06-13.Z1.P15.S | 0,236–0,512            | C6             | 0,787                  | 4,299 |               |
| B4035.UC6.08-15.Z1.P15.M | 0,315–0,591            | C6             | 1,890                  | 4,299 |               |
| B4035.UC6.08-15.Z1.P15.S | 0,315–0,591            | C6             | 0,906                  | 4,299 |               |
| B4035.UC6.10-12.Z1.WC03  | 0,394–0,472            | C6             | 2,047                  | 4,299 | WC .. 0302 .. |
| B4035.UC6.10-17.Z1.WC03  | 0,394–0,669            | C6             | 1,063                  | 4,299 |               |
| B4035.UC6.11-18.Z1.WC03  | 0,433–0,709            | C6             | 1,063                  | 4,299 |               |
| B4035.UC6.12-14.Z1.WC03  | 0,472–0,551            | C6             | 2,441                  | 4,299 |               |
| B4035.UC6.12-19.Z1.WC03  | 0,472–0,748            | C6             | 1,654                  | 4,299 |               |
| B4035.UC6.13-20.Z1.WC03  | 0,512–0,787            | C6             | 1,654                  | 4,299 |               |
| B4035.UC6.14-16.Z1.WC03  | 0,551–0,630            | C6             | 2,835                  | 4,299 |               |
| B4035.UC6.14-21.Z1.WC03  | 0,551–0,827            | C6             | 1,85                   | 4,299 |               |
| B4035.UC6.15-22.Z1.WC03  | 0,591–0,866            | C6             | 1,85                   | 4,299 |               |
| B4035.UC6.16-18.Z1.WC03  | 0,630–0,709            | C6             | 3,228                  | 4,299 |               |
| B4035.UC6.16-23.Z1.WC03  | 0,630–0,906            | C6             | 2,244                  | 4,299 |               |
| B4035.UC6.17-24.Z1.WC03  | 0,669–0,945            | C6             | 2,244                  | 4,299 |               |
| B4035.UC6.18-20.Z1.WC03  | 0,709–0,787            | C6             | 3,622                  | 4,299 |               |
| B4035.UC6.18-25.Z1.WC03  | 0,709–0,984            | C6             | 2,559                  | 4,299 |               |
| B4035.UC6.19-26.Z1.WC03  | 0,748–1,024            | C6             | 2,559                  | 4,299 |               |

Корпус и сборочные детали входят в комплект поставки

**Сборочные детали**

| Тип   | WC .. 0302 ..           |
|---|-------------------------|
| Винт  | FS2101                  |
| Винт пластины                                 | FS2084 (T7IP)<br>0,9 Nm |
| Установочный винт ЪЪ                          | FS2102                  |
| Элемент питания                               | FS2122                  |
| Кольцо уплотн. для гнезда под элемент питания | FS2121                  |
| Крышка гнезда под элемент питания             | FS2123                  |





B 2

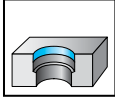
| Базовый держатель     | Расточная державка | Расточная державка |
|-----------------------|--------------------|--------------------|
| B4035G.UC6.002-124.Z1 | EB603.WXP15        | EB603.WXP15        |
| B4035G.UC6.002-124.Z1 | EB604.WXP15        | EB604.WXP15        |
| B4035G.UC6.002-124.Z1 | EB606.WXP15        | EB606.WXP15        |
| B4035G.UC6.002-124.Z1 | EB605.WXP15        | EB605.WXP15        |
| B4035G.UC6.002-124.Z1 | EB608.WXP15        | EB608.WXP15        |
| B4035G.UC6.002-124.Z1 | EB607.WXP15        | EB607.WXP15        |
| B4035G.UC6.002-124.Z1 | EB610.WXP15        | EB610.WXP15        |
| B4035G.UC6.002-124.Z1 | EB609.WXP15        | EB609.WXP15        |
| B4035G.UC6.002-124.Z1 | EB637.WC03.CS      | EB637.WC03.CS      |
| B4035G.UC6.002-124.Z1 | EB611.WC03         | EB611.WC03         |
| B4035G.UC6.002-124.Z1 | EB612.WC03         | EB612.WC03         |
| B4035G.UC6.002-124.Z1 | EB638.WC03.CS      | EB638.WC03.CS      |
| B4035G.UC6.002-124.Z1 | EB613.WC03         | EB613.WC03         |
| B4035G.UC6.002-124.Z1 | EB614.WC03         | EB614.WC03         |
| B4035G.UC6.002-124.Z1 | EB639.WC03.CS      | EB639.WC03.CS      |
| B4035G.UC6.002-124.Z1 | EB615.WC03         | EB615.WC03         |
| B4035G.UC6.002-124.Z1 | EB616.WC03         | EB616.WC03         |
| B4035G.UC6.002-124.Z1 | EB640.WC03.CS      | EB640.WC03.CS      |
| B4035G.UC6.002-124.Z1 | EB617.WC03         | EB617.WC03         |
| B4035G.UC6.002-124.Z1 | EB618.WC03         | EB618.WC03         |
| B4035G.UC6.002-124.Z1 | EB641.WC03.CS      | EB641.WC03.CS      |
| B4035G.UC6.002-124.Z1 | EB619.WC03         | EB619.WC03         |
| B4035G.UC6.002-124.Z1 | EB620.WC03         | EB620.WC03         |

| Комплектующие |                             | WC .. 0302 ..        |                      |
|---------------|-----------------------------|----------------------|----------------------|
| Тип           |                             |                      |                      |
|               | Отвёртка для винта пластины |                      | FS2088 (T7IP)        |
|               | Отвёртка для регулировки    | FS1174 (T25)         | FS1174 (T25)         |
|               | Ключ по ISO 2936-1,5        | ISO2936-1,5 (SW 1,5) | ISO2936-1,5 (SW 1,5) |
|               | Ключ по ISO 2936-3          | ISO2936-3 (SW 3)     | ISO2936-3 (SW 3)     |

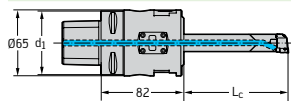
**зенкер, чистовая расточная оправка**
**B4035**    **inch**

κ=93°

Z = 1



|       |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|
|       | P | M | K | N | S | H | O |
| B4035 | ● | ● | ● | ● | ● | ● | ● |

**Инструмент**


Walter Capto™ in acc. with ISO 26623

| Обозначение              | D <sub>c</sub><br>inch | d <sub>1</sub> | L <sub>c</sub><br>inch | lbs   | Тип           |
|--------------------------|------------------------|----------------|------------------------|-------|---------------|
| B4035.UC6.20-24.Z1.WC04M | 0,787–0,945            | C6             | 4,606                  | 4,299 | WC .. 0402 .. |
| B4035.UC6.20-24.Z1.WC04S | 0,787–0,945            | C6             | 3,031                  | 4,299 |               |
| B4035.UC6.22-26.Z1.WC04M | 0,866–1,024            | C6             | 4,606                  | 4,299 |               |
| B4035.UC6.22-26.Z1.WC04S | 0,866–1,024            | C6             | 3,031                  | 4,299 |               |
| B4035.UC6.24-28.Z1.WC04M | 0,945–1,102            | C6             | 4,606                  | 4,299 |               |
| B4035.UC6.24-28.Z1.WC04S | 0,945–1,102            | C6             | 3,031                  | 4,299 |               |
| B4035.UC6.26-30.Z1.WC04M | 1,024–1,181            | C6             | 4,606                  | 4,299 |               |
| B4035.UC6.26-30.Z1.WC04S | 1,024–1,181            | C6             | 3,031                  | 4,299 |               |
| B4035.UC6.28-32.Z1.WC04M | 1,102–1,260            | C6             | 4,606                  | 4,299 |               |
| B4035.UC6.28-32.Z1.WC04S | 1,102–1,260            | C6             | 3,031                  | 4,299 |               |
| B4035.UC6.30-34.Z1.WC04M | 1,181–1,339            | C6             | 4,606                  | 4,299 |               |
| B4035.UC6.30-34.Z1.WC04S | 1,181–1,339            | C6             | 3,031                  | 4,299 |               |
| B4035.UC6.32-41.Z1.WC04  | 1,260–1,614            | C6             | 2,48                   | 4,299 |               |
| B4035.UC6.41-50.Z1.WC04  | 1,614–1,969            | C6             | 3,898                  | 4,299 |               |
| B4035.UC6.50-59.Z1.WC04  | 1,969–2,323            | C6             | 2,835                  | 4,299 |               |
| B4035.UC6.59-68.Z1.WC04  | 2,323–2,677            | C6             | 4,606                  | 4,299 |               |

Корпус и сборочные детали входят в комплект поставки

**Сборочные детали**

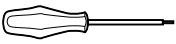
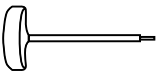

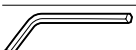
| Тип   | WC .. 0402 ..           |
|---|-------------------------|
| Винт  | FS2101                  |
| Винт пластины                                 | FS1454 (T8IP)<br>1,2 Nm |
| Установочный винт ЪЪ                          | FS2102                  |
| Элемент питания                               | FS2122                  |
| Кольцо уплотн. для гнезда под элемент питания | FS2121                  |
| Крышка гнезда под элемент питания             | FS2123                  |



B 2

| Базовый держатель     | Удлинитель | Резцовая вставка |
|-----------------------|------------|------------------|
| B4035G.UC6.002-124.Z1 | EB643.CS   | EB644.WC04       |
| B4035G.UC6.002-124.Z1 | EB642      | EB644.WC04       |
| B4035G.UC6.002-124.Z1 | EB643.CS   | EB645.WC04       |
| B4035G.UC6.002-124.Z1 | EB642      | EB645.WC04       |
| B4035G.UC6.002-124.Z1 | EB643.CS   | EB621.WC04       |
| B4035G.UC6.002-124.Z1 | EB642      | EB621.WC04       |
| B4035G.UC6.002-124.Z1 | EB643.CS   | EB622.WC04       |
| B4035G.UC6.002-124.Z1 | EB642      | EB622.WC04       |
| B4035G.UC6.002-124.Z1 | EB643.CS   | EB623.WC04       |
| B4035G.UC6.002-124.Z1 | EB642      | EB623.WC04       |
| B4035G.UC6.002-124.Z1 | EB643.CS   | EB624.WC04       |
| B4035G.UC6.002-124.Z1 | EB642      | EB624.WC04       |
| B4035G.UC6.002-124.Z1 | EB625      | EB629.WC04       |
| B4035G.UC6.002-124.Z1 | EB626      | EB630.WC04       |
| B4035G.UC6.002-124.Z1 | EB627      | EB629.WC04       |
| B4035G.UC6.002-124.Z1 | EB628      | EB630.WC04       |

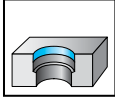
## Комплектующие

|   | Тип                         | WC .. 0402 ..        |
|---|-----------------------------|----------------------|
|  | Отвёртка для винта пластины | FS1483 (T8IP)        |
|  | Отвёртка для регулировки    | FS1174 (T25)         |
|  | Ключ по ISO 2936-1,5        | ISO2936-1,5 (SW 1,5) |
|  | Ключ по ISO 2936-3          | ISO2936-3 (SW 3)     |

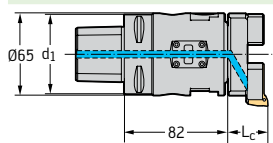
**зенкер, чистовая расточная оправка**
**B4035**    **inch**

κ=93°

Z=1



|       |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|
|       | P | M | K | N | S | H | O |
| B4035 | ● | ● | ● | ● | ● | ● | ● |

**Инструмент**


Обозначение

 D<sub>c</sub>  
inch

 d<sub>1</sub>

 L<sub>c</sub>  
inch


Тип

 B4035.UC6.68-96.Z1.WC04  
 B4035.UC6.96-124.Z1.WC04

 2,677–3,780  
 3,780–4,882

 C6  
 C6

 4,299  
 4,299

WC .. 0402 ..

Walter Capto™ in acc. with ISO 26623

Корпус и сборочные детали входят в комплект поставки

**Сборочные детали**

|  | Тип   | WC .. 0402 ..           |
|--|---|-------------------------|
|  | Винт  | FS2101                  |
|  | Винт пластины                                 | FS1454 (T8IP)<br>1,2 Nm |
|  | Установочный винт ЪЪ                          | FS2102                  |
|  | Элемент питания                               | FS2122                  |
|  | Кольцо уплотн. для гнезда под элемент питания | FS2121                  |
|  | Крышка гнезда под элемент питания             | FS2123                  |



B 2

| Базовый держатель     | Корпус | Противовес | Резцовая вставка |
|-----------------------|--------|------------|------------------|
| B4035G.UC6.002-124.Z1 | EB631  | EB635      | EB634.WC04       |
| B4035G.UC6.002-124.Z1 | EB632  | EB635      | EB634.WC04       |

| Комплектующие |  |                      |
|---------------|--|----------------------|
|               | Тип                                    | WC .. 0402 ..        |
|               | Отвёртка для винта пластины            | FS1483 (T8IP)        |
|               | Отвёртка для регулировки               | FS1174 (T25)         |
|               | Ключ по ISO 2936-1,5                   | ISO2936-1,5 (SW 1,5) |
|               | Ключ по ISO 2936-3                     | ISO2936-3 (SW 3)     |
|               | Переходник для подвода СОЖ для корпуса | EB636                |

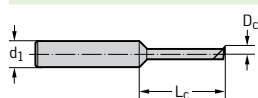
# Расточные державки

## EB100 /

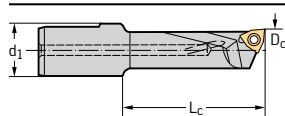
### Walter Precision DIGITAL



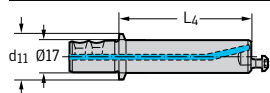
#### Инструмент



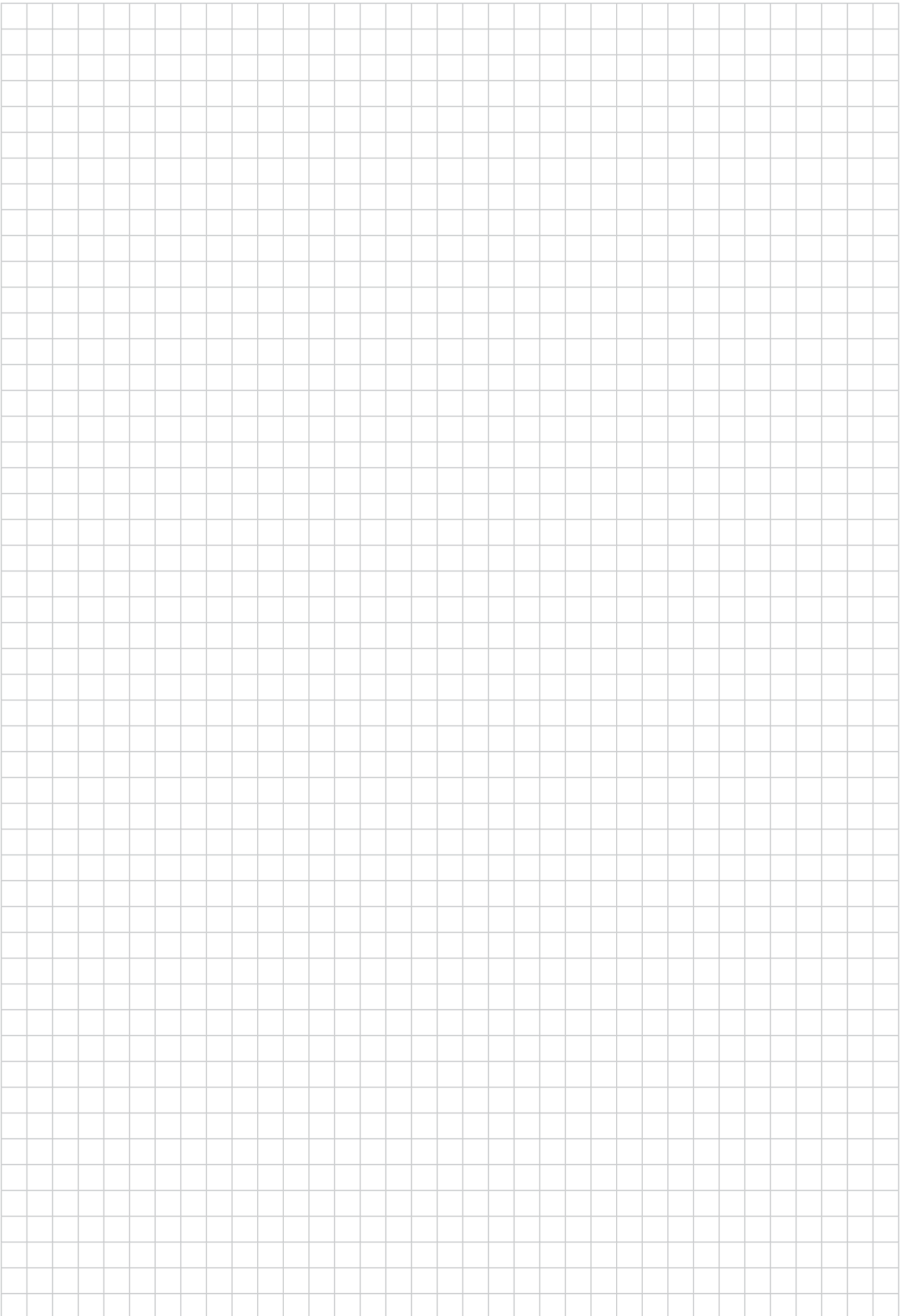
| Обозначение | D <sub>cmin</sub><br>mm | d <sub>1</sub><br>mm | f<br>mm | l <sub>5</sub><br>mm | l <sub>12</sub><br>mm | L <sub>c</sub><br>mm | l <sub>4</sub><br>mm | l <sub>1</sub><br>mm | d <sub>1</sub> |
|-------------|-------------------------|----------------------|---------|----------------------|-----------------------|----------------------|----------------------|----------------------|----------------|
| EB603.WXP15 | 3                       |                      | 1,4     |                      | 30,2                  |                      | 10                   |                      | 40,2           |
| EB604.WXP15 | 4                       |                      | 1,9     |                      | 30,7                  |                      | 10                   |                      | 40,7           |
| EB605.WXP15 | 5                       |                      | 2,4     |                      | 30,7                  |                      | 10                   |                      | 40,7           |
| EB606.WXP15 | 5                       |                      | 2,4     |                      | 30,7                  |                      | 20                   |                      | 50,7           |
| EB607.WXP15 | 6                       |                      | 2,9     |                      | 30,7                  |                      | 20                   |                      | 50,7           |
| EB608.WXP15 | 6                       |                      | 2,9     |                      | 30,7                  |                      | 30                   |                      | 60,7           |
| EB609.WXP15 | 8                       |                      | 3,9     |                      | 29,8                  |                      | 23                   |                      | 52,8           |
| EB610.WXP15 | 8                       |                      | 3,9     |                      | 29,8                  |                      | 48                   |                      | 77,8           |



|               |  |  |  |    |     |  |    |  |  |
|---------------|--|--|--|----|-----|--|----|--|--|
| EB611.WC03    |  |  |  | 27 | -27 |  | 27 |  |  |
| EB612.WC03    |  |  |  | 27 | -27 |  | 27 |  |  |
| EB613.WC03    |  |  |  | 42 | -42 |  | 42 |  |  |
| EB614.WC03    |  |  |  | 42 | -42 |  | 42 |  |  |
| EB615.WC03    |  |  |  | 47 | -47 |  | 47 |  |  |
| EB616.WC03    |  |  |  | 47 | -47 |  | 47 |  |  |
| EB617.WC03    |  |  |  | 57 | -57 |  | 57 |  |  |
| EB618.WC03    |  |  |  | 57 | -57 |  | 57 |  |  |
| EB619.WC03    |  |  |  | 65 | -65 |  | 65 |  |  |
| EB620.WC03    |  |  |  | 65 | -65 |  | 65 |  |  |
| EB637.WC03.CS |  |  |  | 52 | -52 |  | 52 |  |  |
| EB638.WC03.CS |  |  |  | 62 | -62 |  | 62 |  |  |
| EB639.WC03.CS |  |  |  | 72 | -72 |  | 72 |  |  |
| EB640.WC03.CS |  |  |  | 82 | -82 |  | 82 |  |  |
| EB641.WC03.CS |  |  |  | 92 | -92 |  | 92 |  |  |

 WISO\_  
WC0302\_1


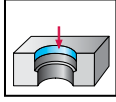
|          |  |  |  |  |  |     |  |  |  |
|----------|--|--|--|--|--|-----|--|--|--|
| EB625    |  |  |  |  |  | 52  |  |  |  |
| EB626    |  |  |  |  |  | 88  |  |  |  |
| EB627    |  |  |  |  |  | 61  |  |  |  |
| EB628    |  |  |  |  |  | 106 |  |  |  |
| EB642    |  |  |  |  |  | 72  |  |  |  |
| EB643.CS |  |  |  |  |  | 108 |  |  |  |



B2

**зенкер, чистовая расточная оправка**
**B5110** 
**Walter Precision XT**

– Установка диаметра в мм и дюймах



|               |                   |       |
|---------------|-------------------|-------|
| $D_c$<br>1-20 | $\kappa=92^\circ$ | Z = 1 |
|---------------|-------------------|-------|

|       |    |    |    |    |    |   |   |
|-------|----|----|----|----|----|---|---|
|       | P  | M  | K  | N  | S  | H | O |
| B5110 | ●● | ●● | ●● | ●● | ●● | ● | ● |

**Инструмент**

|                            | Обозначение           | $D_c$<br>mm | $d_1$  | $L_c$<br>mm | $l_4$<br>mm | kg  | Тип           |
|----------------------------|-----------------------|-------------|--------|-------------|-------------|-----|---------------|
| <p>Modular NCT adaptor</p> | B5110-001-003-N2-CS   | 1-3         | NCT 25 | 6           | 47          | 0,1 |               |
|                            | B5110-0017-0037-N2-CS | 1,7-3,7     | NCT 25 | 9           | 47          | 0,1 |               |
|                            | B5110-0022-0042-N2-CS | 2,2-4,2     | NCT 25 | 13          | 52          | 0,1 |               |
|                            | B5110-0027-0047-N2-CS | 2,7-4,7     | NCT 25 | 15          | 52          | 0,1 |               |
|                            | B5110-0032-0052-N2-CS | 3,2-5,2     | NCT 25 | 20          | 57          | 0,1 |               |
|                            | B5110-0042-0062-N2-CS | 4,2-6,2     | NCT 25 | 20          | 57          | 0,1 |               |
| <p>Modular NCT adaptor</p> | B5110-0062-0082-N2-CS | 6,2-8,2     | NCT 25 | 30          | 72          | 0,2 |               |
|                            | B5110-008-010-N2-TC06 | 8-10        | NCT 25 | 30          | 71          | 0,2 | ТС .. 06T1 .. |
|                            | B5110-010-012-N3-TC06 | 10-12       | NCT 32 | 40          | 88          | 0,3 |               |
|                            | B5110-012-014-N3-TC06 | 12-14       | NCT 32 | 40          | 88          | 0,3 |               |
| <p>Modular NCT adaptor</p> | B5110-014-017-N4-TC09 | 14-17       | NCT 40 | 50          | 100         | 0,5 | ТС .. 0902 .. |
|                            | B5110-017-020-N4-TC09 | 17-20       | NCT 40 | 50          | 100         | 0,5 |               |

Корпус и сборочные детали входят в комплект поставки

**Сборочные детали**

|  | Тип           | ТС .. 06T1 ..          | ТС .. 0902 ..          |
|--|---------------|------------------------|------------------------|
|  | Винт зажимной | FS2623 (SW 2,5)        | FS2625 (SW 3)          |
|  | Винт пластины | FS2626 (6IP)<br>0,6 Nm | FS2627 (7IP)<br>0,8 Nm |





B 2

| Базовый держатель |                    | Расточная державка |
|-------------------|--------------------|--------------------|
|                   | B5110-001-006-N2-B | EB701.WKP21        |
|                   | B5110-001-006-N2-B | EB702.WKP21        |
|                   | B5110-001-006-N2-B | EB703.WKP21        |
|                   | B5110-001-006-N2-B | EB704.WKP21        |
|                   | B5110-001-006-N2-B | EB705.WKP21        |
|                   | B5110-001-006-N2-B | EB706.WKP21        |
|                   | B5110-006-010-N2-B | EB707.WKP21        |
|                   | B5110-006-010-N2-B | EB708.TC06         |
|                   | B5110-010-014-N3-B | EB709.TC06         |
|                   | B5110-010-014-N3-B | EB710.TC06         |
|                   | B5110-014-020-N4-B | EB711.TC09         |
|                   | B5110-014-020-N4-B | EB712.TC09         |

**Комплектующие**

|  | Тип                                |                      | ТС .. 06T1 ..        | ТС .. 0902 ..    |
|--|------------------------------------|----------------------|----------------------|------------------|
|  | Ключ по ISO 2936-2,5               | ISO2936-2,5 (SW 2,5) | ISO2936-2,5 (SW 2,5) |                  |
|  | Ключ по ISO 2936-3                 |                      | ISO2936-3 (SW 3)     | ISO2936-3 (SW 3) |
|  | Динамометрический ключ, аналоговый |                      | FS2001               | FS2001           |
|  | Вставка                            |                      | FS2085 (T6IP)        | FS2011 (T7IP)    |
|  | Отвёртка                           |                      | FS2086 (T6IP)        | FS2088 (T7IP)    |

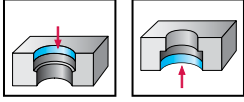
# зенкер, чистовая расточная оправка

**B5115** 

## Walter Precision XT

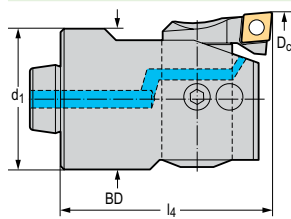
– Установка диаметра в мм и дюймах

|                 |                   |       |
|-----------------|-------------------|-------|
| $D_c$<br>19–167 | $\kappa=92^\circ$ | $Z=1$ |
|-----------------|-------------------|-------|

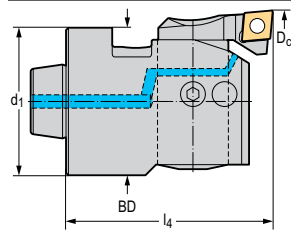


|       |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|
|       | P | M | K | N | S | H | O |
| B5115 | ● | ● | ● | ● | ● | ● | ● |

### Инструмент



Modular NCT adaptor



Modular NCT adaptor

| Обозначение           | $D_c$<br>mm | $d_1$  | $l_4$<br>mm | BD<br>mm | kg  | Тип           |
|-----------------------|-------------|--------|-------------|----------|-----|---------------|
| B5115-035-045-N3-CC06 | 35–45       | NCT 32 | 48          | 32       | 0,6 | CC .. 0602 .. |
| B5115-044-056-N4-CC06 | 44–56       | NCT 40 | 56          | 40       | 0,5 |               |
| B5115-055-070-N5-CC09 | 55–70       | NCT 50 | 70          | 50       | 0,9 | CC .. 09T3 .. |
| B5115-069-087-N6-CC09 | 69–87       | NCT 63 | 82          | 63       | 1,7 |               |
| B5115-086-107-N6-CC09 | 86–107      | NCT 63 | 94          | 80       | 2,4 |               |
| B5115-106-137-N6-CC09 | 106–137     | NCT 63 | 94          | 100      | 2,8 |               |
| B5115-106-137-N8-CC09 | 106–137     | NCT 80 | 104         | 100      | 4   |               |
| B5115-136-167-N6-CC09 | 136–167     | NCT 63 | 94          | 130      | 3,4 |               |
| B5115-136-167-N8-CC09 | 136–167     | NCT 80 | 104         | 130      | 4,4 |               |

Корпус и сборочные детали входят в комплект поставки

### Сборочные детали

| Тип   | CC .. 0602 ..          | CC .. 09T3 ..         | TC .. 06T1 ..          | TC .. 0902 ..          | TC .. 1102 ..          |
|---|------------------------|-----------------------|------------------------|------------------------|------------------------|
| Винт зажимной                                   | FS2624 (SW 3)          | FS2630 (SW 4)         | FS2628 (SW 2)          | FS2624 (SW 3)          | FS2630 (SW 4)          |
| Винт пластины                                   | FS2665 (7IP)<br>0,8 Nm | FS2666 (15IP)<br>3 Nm | FS2633 (6IP)<br>0,6 Nm | FS2664 (7IP)<br>0,8 Nm | FS2665 (7IP)<br>0,8 Nm |
| Винт кассеты                                    | FS2635 (SW 3)          | FS2636 (SW 4)         | FS2634 (SW 2)          | FS2635 (SW 3)          | FS2636 (SW 4)          |
| Заглушка винтовая для отверстия для подвода СОЖ | FS2640 (SW 0,9)        | FS2641 (SW 1,5)       | FS2640 (SW 0,9)        | FS2640 (SW 0,9)        | FS2641 (SW 1,5)        |



|  | Базовый держатель  | Резцовая вставка |
|--|--------------------|------------------|
|  | B5115-035-045-N3-B | EB716.CC06       |
|  | B5115-044-056-N4-B | EB716.CC06       |
|  | B5115-055-070-N5-B | EB717.CC09       |
|  | B5115-069-087-N6-B | EB717.CC09       |
|  | B5115-086-107-N6-B | EB717.CC09       |
|  | B5115-106-137-N6-B | EB717.CC09       |
|  | B5115-106-137-N8-B | EB717.CC09       |
|  | B5115-136-167-N6-B | EB717.CC09       |
|  | B5115-136-167-N8-B | EB717.CC09       |

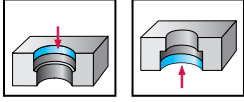
B 2

| Комплектующие |                                    | CC .. 0602 ..-TC .. 0902 .. | CC .. 09T3 ..        | TC .. 06T1 ..        | TC .. 1102 ..        |
|---------------|------------------------------------|-----------------------------|----------------------|----------------------|----------------------|
|               | Ключ по ISO 2936-1,5               |                             | ISO2936-1,5 (SW 1,5) |                      | ISO2936-1,5 (SW 1,5) |
|               | Ключ по ISO 2936-2                 |                             | ISO2936-2 (SW 2)     | ISO2936-2 (SW 2)     | ISO2936-2 (SW 2)     |
|               | Ключ по ISO 2936-3                 | ISO2936-3 (SW 3)            |                      |                      |                      |
|               | Ключ по ISO 2936-0,9               | ISO2936-0,9 (SW 0,9)        |                      | ISO2936-0,9 (SW 0,9) |                      |
|               | Ключ по ISO 2936-4                 |                             | ISO2936-4 (SW 4)     |                      | ISO2936-4 (SW 4)     |
|               | Динамометрический ключ, аналоговый | FS2001                      | FS2003               | FS2001               | FS2001               |
|               | Динамометрический ключ, цифровой   |                             | FS2248               |                      |                      |
|               | Вставка                            | FS2011 (T7IP)               | FS2014 (T15IP)       | FS2085 (T6IP)        | FS2011 (T7IP)        |
|               | Отвёртка                           | FS2088 (T7IP)               | FS1485 (T15IP)       | FS2086 (T6IP)        | FS2088 (T7IP)        |
|               | Вставка                            | EB736<br>3 Nm               |                      | EB735<br>1,2 Nm      |                      |
|               | Отвёртка                           |                             | EB737<br>6 Nm        |                      | EB737<br>6 Nm        |

**зенкер, чистовая расточная оправка**
**B5115** 
**Walter Precision XT**

– Установка диаметра в мм и дюймах

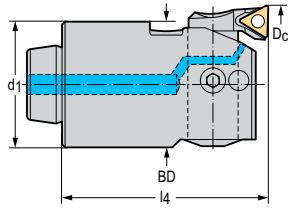
|                 |                   |       |
|-----------------|-------------------|-------|
| $D_c$<br>19-167 | $\kappa=92^\circ$ | $Z=1$ |
|-----------------|-------------------|-------|



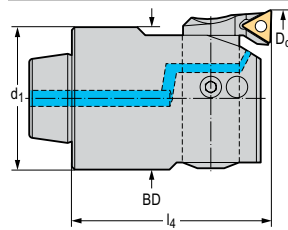
|       |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|
|       | P | M | K | N | S | H | O |
| B5115 | ● | ● | ● | ● | ● | ● | ● |

**Инструмент**

| Обозначение           | $D_c$<br>mm | $d_1$  | $l_4$<br>mm | BD<br>mm | kg  | Тип           |
|-----------------------|-------------|--------|-------------|----------|-----|---------------|
| B5115-019-023-N2-TC06 | 19-23       | NCT 25 | 80          | 18       | 0,2 | TC .. 06T1 .. |
| B5115-023-029-N2-TC06 | 23-29       | NCT 25 | 91          | 20       | 0,2 |               |
| B5115-028-036-N2-TC06 | 28-36       | NCT 25 | 41          | 25       | 0,2 |               |
| B5115-035-045-N3-TC09 | 35-45       | NCT 32 | 48          | 32       | 0,3 | TC .. 0902 .. |
| B5115-044-056-N4-TC09 | 44-56       | NCT 40 | 56          | 40       | 1   |               |



Modular NCT adaptor



Modular NCT adaptor

Корпус и сборочные детали входят в комплект поставки

**Сборочные детали**

| Тип   | CC .. 0602 ..          | CC .. 09T3 ..         | TC .. 06T1 ..          | TC .. 0902 ..          | TC .. 1102 ..          |
|---|------------------------|-----------------------|------------------------|------------------------|------------------------|
| Винт зажимной                                   | FS2624 (SW 3)          | FS2630 (SW 4)         | FS2628 (SW 2)          | FS2624 (SW 3)          | FS2630 (SW 4)          |
| Винт пластины                                   | FS2665 (7IP)<br>0,8 Nm | FS2666 (15IP)<br>3 Nm | FS2633 (6IP)<br>0,6 Nm | FS2664 (7IP)<br>0,8 Nm | FS2665 (7IP)<br>0,8 Nm |
| Винт кассеты                                    | FS2635 (SW 3)          | FS2636 (SW 4)         | FS2634 (SW 2)          | FS2635 (SW 3)          | FS2636 (SW 4)          |
| Заглушка винтовая для отверстия для подвода СОЖ | FS2640 (SW 0,9)        | FS2641 (SW 1,5)       | FS2640 (SW 0,9)        | FS2640 (SW 0,9)        | FS2641 (SW 1,5)        |



B 2

| Базовый держатель |                    | Резцовая вставка |
|-------------------|--------------------|------------------|
|                   | B5115-019-023-N2-B | EB713.TC06       |
|                   | B5115-023-029-N2-B | EB713.TC06       |
|                   | B5115-028-036-N2-B | EB713.TC06       |
|                   | B5115-035-045-N3-B | EB714.TC09       |
|                   | B5115-044-056-N4-B | EB714.TC09       |

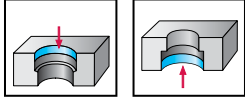
| Комплектующие |                                    | CC .. 0602 ..-TC .. 0902 .. | CC .. 09T3 ..        | TC .. 06T1 ..        | TC .. 1102 ..        |
|---------------|------------------------------------|-----------------------------|----------------------|----------------------|----------------------|
|               | Ключ по ISO 2936-1,5               |                             | ISO2936-1,5 (SW 1,5) |                      | ISO2936-1,5 (SW 1,5) |
|               | Ключ по ISO 2936-2                 |                             | ISO2936-2 (SW 2)     | ISO2936-2 (SW 2)     | ISO2936-2 (SW 2)     |
|               | Ключ по ISO 2936-3                 | ISO2936-3 (SW 3)            |                      |                      |                      |
|               | Ключ по ISO 2936-0,9               | ISO2936-0,9 (SW 0,9)        |                      | ISO2936-0,9 (SW 0,9) |                      |
|               | Ключ по ISO 2936-4                 |                             | ISO2936-4 (SW 4)     |                      | ISO2936-4 (SW 4)     |
|               | Динамометрический ключ, аналоговый | FS2001                      | FS2003               | FS2001               | FS2001               |
|               | Динамометрический ключ, цифровой   |                             | FS2248               |                      |                      |
|               | Вставка                            | FS2011 (T7IP)               | FS2014 (T15IP)       | FS2085 (T6IP)        | FS2011 (T7IP)        |
|               | Отвёртка                           | FS2088 (T7IP)               | FS1485 (T15IP)       | FS2086 (T6IP)        | FS2088 (T7IP)        |
|               | Вставка                            | EB736<br>3 Nm               |                      | EB735<br>1,2 Nm      |                      |
|               | Отвёртка                           |                             | EB737<br>6 Nm        |                      | EB737<br>6 Nm        |

# зенкер, чистовая расточная оправка

**B5115** 

## Walter Precision XT

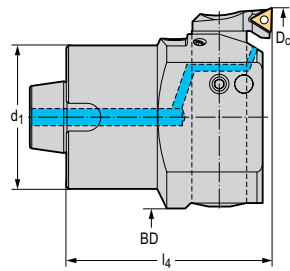
– Установка диаметра в мм и дюймах



|                 |                   |       |
|-----------------|-------------------|-------|
| $D_c$<br>19-167 | $\kappa=92^\circ$ | $Z=1$ |
|-----------------|-------------------|-------|

|       |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|
|       | P | M | K | N | S | H | O |
| B5115 | ● | ● | ● | ● | ● | ● | ● |

### Инструмент



Modular NCT adaptor

| Обозначение           | $D_c$<br>mm | $d_1$  | $l_4$<br>mm | BD<br>mm | kg  | Тип           |
|-----------------------|-------------|--------|-------------|----------|-----|---------------|
| B5115-055-070-N5-TC11 | 55-70       | NCT 50 | 66          | 50       | 0,9 | TC .. 1102 .. |
| B5115-069-087-N6-TC11 | 69-87       | NCT 63 | 78          | 63       | 1,7 |               |
| B5115-086-107-N6-TC11 | 86-107      | NCT 63 | 90          | 80       | 2,4 |               |
| B5115-106-137-N6-TC11 | 106-137     | NCT 63 | 90          | 100      | 2,8 |               |
| B5115-106-137-N8-TC11 | 106-137     | NCT 80 | 100         | 100      | 4,1 |               |
| B5115-136-167-N6-TC11 | 136-167     | NCT 63 | 90          | 130      | 3,4 |               |
| B5115-136-167-N8-TC11 | 136-167     | NCT 80 | 100         | 130      | 4,4 |               |

Корпус и сборочные детали входят в комплект поставки

### Сборочные детали

| Тип   | CC .. 0602 ..          | CC .. 09T3 ..         | TC .. 06T1 ..          | TC .. 0902 ..          | TC .. 1102 ..          |
|---|------------------------|-----------------------|------------------------|------------------------|------------------------|
| Винт зажимной                                   | FS2624 (SW 3)          | FS2630 (SW 4)         | FS2628 (SW 2)          | FS2624 (SW 3)          | FS2630 (SW 4)          |
| Винт пластины                                   | FS2665 (7IP)<br>0,8 Nm | FS2666 (15IP)<br>3 Nm | FS2633 (6IP)<br>0,6 Nm | FS2664 (7IP)<br>0,8 Nm | FS2665 (7IP)<br>0,8 Nm |
| Винт кассеты                                    | FS2635 (SW 3)          | FS2636 (SW 4)         | FS2634 (SW 2)          | FS2635 (SW 3)          | FS2636 (SW 4)          |
| Заглушка винтовая для отверстия для подвода СОЖ | FS2640 (SW 0,9)        | FS2641 (SW 1,5)       | FS2640 (SW 0,9)        | FS2640 (SW 0,9)        | FS2641 (SW 1,5)        |



B 2

|  | Базовый держатель  | Резцовая вставка |
|--|--------------------|------------------|
|  | B5115-055-070-N5-B | EB715.TC11       |
|  | B5115-069-087-N6-B | EB715.TC11       |
|  | B5115-086-107-N6-B | EB715.TC11       |
|  | B5115-106-137-N6-B | EB715.TC11       |
|  | B5115-106-137-N8-B | EB715.TC11       |
|  | B5115-136-167-N6-B | EB715.TC11       |
|  | B5115-136-167-N8-B | EB715.TC11       |

| Комплектующие |                                    | CC .. 0602 ..-TC .. 0902 .. | CC .. 09T3 ..        | TC .. 06T1 ..        | TC .. 1102 ..        |
|---------------|------------------------------------|-----------------------------|----------------------|----------------------|----------------------|
|               | Ключ по ISO 2936-1,5               |                             | ISO2936-1,5 (SW 1,5) |                      | ISO2936-1,5 (SW 1,5) |
|               | Ключ по ISO 2936-2                 |                             | ISO2936-2 (SW 2)     | ISO2936-2 (SW 2)     | ISO2936-2 (SW 2)     |
|               | Ключ по ISO 2936-3                 | ISO2936-3 (SW 3)            |                      |                      |                      |
|               | Ключ по ISO 2936-0,9               | ISO2936-0,9 (SW 0,9)        |                      | ISO2936-0,9 (SW 0,9) |                      |
|               | Ключ по ISO 2936-4                 |                             | ISO2936-4 (SW 4)     |                      | ISO2936-4 (SW 4)     |
|               | Динамометрический ключ, аналоговый | FS2001                      | FS2003               | FS2001               | FS2001               |
|               | Динамометрический ключ, цифровой   |                             | FS2248               |                      |                      |
|               | Вставка                            | FS2011 (T7IP)               |                      | FS2085 (T6IP)        | FS2011 (T7IP)        |
|               | Отвёртка                           | FS2088 (T7IP)               |                      | FS2086 (T6IP)        | FS2088 (T7IP)        |
|               | Вставка                            |                             | FS2014 (T15IP)       |                      |                      |
|               | Отвёртка                           |                             | FS1485 (T15IP)       |                      |                      |
|               | Удлинитель                         | EB736<br>3 Nm               |                      | EB735<br>1,2 Nm      |                      |
|               | Удлинитель                         |                             | EB737<br>6 Nm        |                      | EB737<br>6 Nm        |

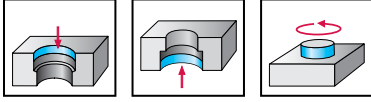
# зенкер, чистовая расточная оправка

**B5120** 

## Walter Precision XT

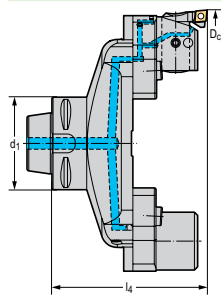
 – Базовый корпус/корпус также можно использовать для B5460 и B5560  
 – Установка диаметра в мм и дюймах

|                               |       |       |
|-------------------------------|-------|-------|
| D <sub>c</sub><br>148-<br>635 | κ=92° | Z = 1 |
|-------------------------------|-------|-------|



|       |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|
|       | P | M | K | N | S | H | O |
| B5120 | ● | ● | ● | ● | ● | ● | ● |

### Инструмент



Modular NCT adaptor

| Обозначение           | D <sub>c</sub><br>mm | d <sub>1</sub> | l <sub>4</sub><br>mm | kg  | Тип           |
|-----------------------|----------------------|----------------|----------------------|-----|---------------|
| B5120-148-215-N8-CC09 | 148-215              | NCT 80         | 134                  | 5,7 | CC .. 09T3 .. |
| B5120-198-265-N8-CC09 | 198-265              | NCT 80         | 134                  | 6,9 |               |
| B5120-248-315-N8-CC09 | 248-315              | NCT 80         | 134                  | 8   |               |

Корпус и сборочные детали входят в комплект поставки

### Сборочные детали

| Тип   | CC .. 09T3 ..         | TC .. 1102 ..          |
|---|-----------------------|------------------------|
| Винт зажимной                                   | FS2646 (SW 5)         | FS2646 (SW 5)          |
| Заглушка винтовая для отверстия для подвода СОЖ | FS2641 (SW 1,5)       | FS2641 (SW 1,5)        |
| Винт пластины                                   | FS2666 (15IP)<br>3 Nm | FS2665 (7IP)<br>0,8 Nm |
| Подкладная шайба                                | FS2649                | FS2649                 |
| Комплект для регулировки                        | FS2653 (SW 3)         | FS2653 (SW 3)          |
| Уплотнительное кольцо                           | FS2657                | FS2657                 |
| Шпилька   | FS2654                | FS2654                 |





B 2

| Базовый держатель  | Корпус | Базовый держатель | Чистовая расточная головка | Противовес | Резцовая вставка |
|--------------------|--------|-------------------|----------------------------|------------|------------------|
| B5120-148-000-N8-B |        | EB719             | EB718                      | EB721      | EB717.CC09       |
| B5120-198-000-N8-B |        | EB719             | EB718                      | EB721      | EB717.CC09       |
| B5120-248-000-N8-B |        | EB719             | EB718                      | EB721      | EB717.CC09       |

| Комплектующие |                                    | Тип | CC .. 09T3 ..        | TC .. 1102 ..        |
|---------------|------------------------------------|-----|----------------------|----------------------|
|               | Ключ по ISO 2936-1.5               |     | ISO2936-1.5 (SW 1.5) | ISO2936-1.5 (SW 1,5) |
|               | Ключ по ISO 2936-3                 |     | ISO2936-3 (SW 3)     | ISO2936-3 (SW 3)     |
|               | Ключ по ISO 2936-4                 |     | ISO2936-4 (SW 4)     | ISO2936-4 (SW 4)     |
|               | Ключ по ISO 2936-5                 |     | ISO2936-5 (SW 5)     | ISO2936-5 (SW 5)     |
|               | Ключ по ISO 2936-8                 |     | ISO2936-8 (SW 8)     | ISO2936-8 (SW 8)     |
|               | Динамометрический ключ, аналоговый |     | FS2003               | FS2001               |
|               | Ключ по ISO 2936-10                |     | ISO2936-10 (SW 10)   | ISO2936-10 (SW 10)   |
|               | Динамометрический ключ, цифровой   |     | FS2248               |                      |
|               | Ключ по ISO 2936-14                |     | ISO2936-14 (SW 14)   | ISO2936-14 (SW 14)   |
|               | Вставка                            |     | FS2014 (T15IP)       | FS2011 (T7IP)        |
|               | Отвёртка                           |     | FS1485 (T15IP)       | FS2088 (T7IP)        |
|               | Удлинитель                         |     | EB737<br>6 Nm        | EB737<br>6 Nm        |

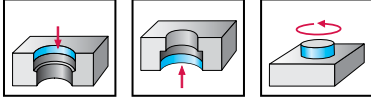
# зенкер, чистовая расточная оправка

**B5120** 

## Walter Precision XT

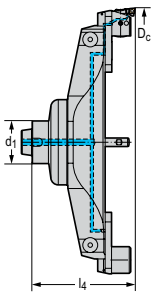
 – Базовый корпус/корпус также можно использовать для B5460 и B5560  
 – Установка диаметра в мм и дюймах

|                               |       |       |
|-------------------------------|-------|-------|
| D <sub>c</sub><br>148-<br>635 | κ=92° | Z = 1 |
|-------------------------------|-------|-------|



|       |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|
|       | P | M | K | N | S | H | O |
| B5120 | ● | ● | ● | ● | ● | ● | ● |

### Инструмент



Modular NCT adaptor

| Обозначение           | D <sub>c</sub><br>mm | d <sub>1</sub> | l <sub>4</sub><br>mm | kg   | Тип           |
|-----------------------|----------------------|----------------|----------------------|------|---------------|
| B5120-298-395-N8-CC09 | 298-395              | NCT 80         | 183                  | 14,5 | CC .. 09T3 .. |
| B5120-378-475-N8-CC09 | 378-475              | NCT 80         | 188                  | 16,3 |               |
| B5120-458-555-N8-CC09 | 458-555              | NCT 80         | 193                  | 18,2 |               |
| B5120-538-635-N8-CC09 | 538-635              | NCT 80         | 198                  | 20,6 |               |

Корпус и сборочные детали входят в комплект поставки

### Сборочные детали

| Тип   | CC .. 09T3 ..         | TC .. 1102 ..          |
|---|-----------------------|------------------------|
| Винт зажимной                                   | FS2646 (SW 5)         | FS2646 (SW 5)          |
| Заглушка винтовая для отверстия для подвода СОЖ | FS2641 (SW 1,5)       | FS2641 (SW 1,5)        |
| Винт пластины                                   | FS2666 (15IP)<br>3 Nm | FS2665 (7IP)<br>0,8 Nm |
| Подкладная шайба                                | FS2649                | FS2649                 |
| Комплект для регулировки                        | FS2653 (SW 3)         | FS2653 (SW 3)          |
| Уплотнительное кольцо                           | FS2657                | FS2657                 |
| Шпилька   | FS2654                | FS2654                 |



B 2

| Базовый держатель  | Корпус | Базовый держатель | Чистовая расточная головка | Противовес | Резцовая вставка |
|--------------------|--------|-------------------|----------------------------|------------|------------------|
| B5120-298-000-N8-B | EB731  | EB720             | EB718                      | EB722      | EB717.CC09       |
| B5120-298-000-N8-B | EB732  | EB720             | EB718                      | EB722      | EB717.CC09       |
| B5120-298-000-N8-B | EB733  | EB720             | EB718                      | EB722      | EB717.CC09       |
| B5120-298-000-N8-B | EB734  | EB720             | EB718                      | EB722      | EB717.CC09       |

### Комплектующие

| Тип                                | CC .. 09T3 ..        | TC .. 1102 ..        |
|------------------------------------|----------------------|----------------------|
| Ключ по ISO 2936-1.5               | ISO2936-1.5 (SW 1.5) | ISO2936-1.5 (SW 1,5) |
| Ключ по ISO 2936-3                 | ISO2936-3 (SW 3)     | ISO2936-3 (SW 3)     |
| Ключ по ISO 2936-4                 | ISO2936-4 (SW 4)     | ISO2936-4 (SW 4)     |
| Ключ по ISO 2936-5                 | ISO2936-5 (SW 5)     | ISO2936-5 (SW 5)     |
| Ключ по ISO 2936-8                 | ISO2936-8 (SW 8)     | ISO2936-8 (SW 8)     |
| Динамометрический ключ, аналоговый | FS2003               | FS2001               |
| Ключ по ISO 2936-10                | ISO2936-10 (SW 10)   | ISO2936-10 (SW 10)   |
| Динамометрический ключ, цифровой   | FS2248               |                      |
| Ключ по ISO 2936-14                | ISO2936-14 (SW 14)   | ISO2936-14 (SW 14)   |
| Вставка                            | FS2014 (T15IP)       | FS2011 (T7IP)        |
| Отвёртка                           | FS1485 (T15IP)       | FS2088 (T7IP)        |
| Удлинитель                         | EB737<br>6 Nm        | EB737<br>6 Nm        |

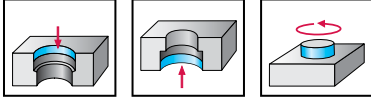
# зенкер, чистовая расточная оправка

**B5120** 

## Walter Precision XT

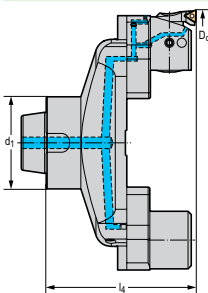
 – Базовый корпус/корпус также можно использовать для B5460 и B5560  
 – Установка диаметра в мм и дюймах

|                               |       |       |
|-------------------------------|-------|-------|
| D <sub>c</sub><br>148-<br>635 | κ=92° | Z = 1 |
|-------------------------------|-------|-------|



|       |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|
|       | P | M | K | N | S | H | O |
| B5120 | ● | ● | ● | ● | ● | ● | ● |

### Инструмент



Modular NCT adaptor

| Обозначение           | D <sub>c</sub><br>mm | d <sub>1</sub> | l <sub>4</sub><br>mm | kg  | Тип           |
|-----------------------|----------------------|----------------|----------------------|-----|---------------|
| B5120-148-215-N8-TC11 | 148-215              | NCT 80         | 130                  | 5,7 | ТС .. 1102 .. |
| B5120-198-265-N8-TC11 | 198-265              | NCT 80         | 130                  | 6,9 |               |
| B5120-248-315-N8-TC11 | 248-315              | NCT 80         | 130                  | 8   |               |

Корпус и сборочные детали входят в комплект поставки

### Сборочные детали

| Тип   | CC .. 09T3 ..         | ТС .. 1102 ..          |
|---|-----------------------|------------------------|
| Винт зажимной                                   | FS2646 (SW 5)         | FS2646 (SW 5)          |
| Заглушка винтовая для отверстия для подвода СОЖ | FS2641 (SW 1,5)       | FS2641 (SW 1,5)        |
| Винт пластины                                   | FS2666 (15IP)<br>3 Nm | FS2665 (7IP)<br>0,8 Nm |
| Подкладная шайба                                | FS2649                | FS2649                 |
| Комплект для регулировки                        | FS2653 (SW 3)         | FS2653 (SW 3)          |
| Уплотнительное кольцо                           | FS2657                | FS2657                 |
| Шпилька   | FS2654                | FS2654                 |



B 2

| Базовый держатель  | Корпус | Базовый держатель | Чистовая расточная головка | Противовес | Резцовая вставка |
|--------------------|--------|-------------------|----------------------------|------------|------------------|
| B5120-148-000-N8-B |        | EB719             | EB718                      | EB721      | EB715.TC11       |
| B5120-198-000-N8-B |        | EB719             | EB718                      | EB721      | EB715.TC11       |
| B5120-248-000-N8-B |        | EB719             | EB718                      | EB721      | EB715.TC11       |

### Комплектующие

| Тип                                | CC .. 09T3 ..        | TC .. 1102 ..        |
|------------------------------------|----------------------|----------------------|
| Ключ по ISO 2936-1.5               | ISO2936-1.5 (SW 1.5) | ISO2936-1.5 (SW 1,5) |
| Ключ по ISO 2936-3                 | ISO2936-3 (SW 3)     | ISO2936-3 (SW 3)     |
| Ключ по ISO 2936-4                 | ISO2936-4 (SW 4)     | ISO2936-4 (SW 4)     |
| Ключ по ISO 2936-5                 | ISO2936-5 (SW 5)     | ISO2936-5 (SW 5)     |
| Ключ по ISO 2936-8                 | ISO2936-8 (SW 8)     | ISO2936-8 (SW 8)     |
| Динамометрический ключ, аналоговый | FS2003               | FS2001               |
| Ключ по ISO 2936-10                | ISO2936-10 (SW 10)   | ISO2936-10 (SW 10)   |
| Динамометрический ключ, цифровой   | FS2248               |                      |
| Ключ по ISO 2936-14                | ISO2936-14 (SW 14)   | ISO2936-14 (SW 14)   |
| Вставка                            | FS2014 (T15IP)       | FS2011 (T7IP)        |
| Отвёртка                           | FS1485 (T15IP)       | FS2088 (T7IP)        |
| Удлинитель                         | EB737<br>6 Nm        | EB737<br>6 Nm        |

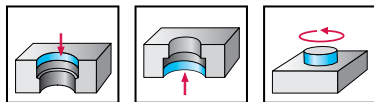
# зенкер, чистовая расточная оправка

**B5120** 

## Walter Precision XT

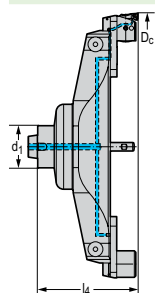
 – Базовый корпус/корпус также можно использовать для B5460 и B5560  
 – Установка диаметра в мм и дюймах

|                               |       |       |
|-------------------------------|-------|-------|
| D <sub>c</sub><br>148-<br>635 | κ=92° | Z = 1 |
|-------------------------------|-------|-------|



|       |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|
|       | P | M | K | N | S | H | O |
| B5120 | ● | ● | ● | ● | ● | ● | ● |

### Инструмент



Modular NCT adaptor

| Обозначение           | D <sub>c</sub><br>mm | d <sub>1</sub> | l <sub>4</sub><br>mm | kg   | Тип           |
|-----------------------|----------------------|----------------|----------------------|------|---------------|
| B5120-298-395-N8-TC11 | 298-395              | NCT 80         | 179                  | 14,5 | ТС .. 1102 .. |
| B5120-378-475-N8-TC11 | 378-475              | NCT 80         | 184                  | 16,3 |               |
| B5120-458-555-N8-TC11 | 458-555              | NCT 80         | 189                  | 18,2 |               |
| B5120-538-635-N8-TC11 | 538-635              | NCT 80         | 194                  | 20,6 |               |

Корпус и сборочные детали входят в комплект поставки

### Сборочные детали



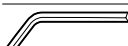


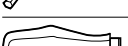

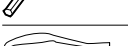
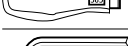



| Тип   | CC .. 09T3 ..         | ТС .. 1102 ..          |
|---|-----------------------|------------------------|
| Винт зажимной                                   | FS2646 (SW 5)         | FS2646 (SW 5)          |
| Заглушка винтовая для отверстия для подвода СОЖ | FS2641 (SW 1,5)       | FS2641 (SW 1,5)        |
| Винт пластины                                   | FS2666 (15IP)<br>3 Nm | FS2665 (7IP)<br>0,8 Nm |
| Подкладная шайба                                | FS2649                | FS2649                 |
| Комплект для регулировки                        | FS2653 (SW 3)         | FS2653 (SW 3)          |
| Уплотнительное кольцо                           | FS2657                | FS2657                 |
| Шпилька   | FS2654                | FS2654                 |



B 2

| Базовый держатель  | Корпус | Базовый держатель | Чистовая расточная головка | Противовес | Резцовая вставка |
|--------------------|--------|-------------------|----------------------------|------------|------------------|
| B5120-298-000-N8-B | EB731  | EB720             | EB718                      | EB722      | EB715.TC11       |
| B5120-298-000-N8-B | EB732  | EB720             | EB718                      | EB722      | EB715.TC11       |
| B5120-298-000-N8-B | EB733  | EB720             | EB718                      | EB722      | EB715.TC11       |
| B5120-298-000-N8-B | EB734  | EB720             | EB718                      | EB722      | EB715.TC11       |

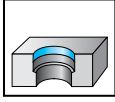
### Комплектующие

| Тип  | CC .. 09T3 ..        | TC .. 1102 ..        |
|--|----------------------|----------------------|
|  Ключ по ISO 2936-1.5               | ISO2936-1.5 (SW 1.5) | ISO2936-1.5 (SW 1,5) |
|  Ключ по ISO 2936-3                 | ISO2936-3 (SW 3)     | ISO2936-3 (SW 3)     |
|  Ключ по ISO 2936-4                 | ISO2936-4 (SW 4)     | ISO2936-4 (SW 4)     |
|  Ключ по ISO 2936-5                 | ISO2936-5 (SW 5)     | ISO2936-5 (SW 5)     |
|  Ключ по ISO 2936-8                 | ISO2936-8 (SW 8)     | ISO2936-8 (SW 8)     |
|  Динамометрический ключ, аналоговый | FS2003               | FS2001               |
|  Ключ по ISO 2936-10                | ISO2936-10 (SW 10)   | ISO2936-10 (SW 10)   |
|  Динамометрический ключ, цифровой   | FS2248               |                      |
|  Ключ по ISO 2936-14                | ISO2936-14 (SW 14)   | ISO2936-14 (SW 14)   |
|  Вставка                            | FS2014 (T15IP)       | FS2011 (T7IP)        |
|  Отвёртка                           | FS1485 (T15IP)       | FS2088 (T7IP)        |
|  Удлинитель                         | EB737<br>6 Nm        | EB737<br>6 Nm        |

**зенкер, чистовая расточная оправка**
**B4035** 

κ=93°

Z=1



|       |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|
|       | P | M | K | N | S | H | O |
| B4035 | ● | ● | ● | ● | ● | ● | ● |

**Инструмент**

|                 | Обозначение              | D <sub>c</sub><br>mm | d <sub>1</sub> | L <sub>c</sub><br>mm | kg  | Тип           |
|-----------------|--------------------------|----------------------|----------------|----------------------|-----|---------------|
| <p>ScrewFit</p> | B4035.T45.03-10.Z1.P15   | 3–10                 | T45            | 10                   | 2   |               |
|                 | B4035.T45.04-11.Z1.P15   | 4–11                 | T45            | 10                   | 2   |               |
|                 | B4035.T45.05-12.Z1.P15.M | 5–12                 | T45            | 20                   | 2   |               |
|                 | B4035.T45.05-12.Z1.P15.S | 5–12                 | T45            | 10                   | 2   |               |
|                 | B4035.T45.06-13.Z1.P15.M | 6–13                 | T45            | 30                   | 2   |               |
|                 | B4035.T45.06-13.Z1.P15.S | 6–13                 | T45            | 20                   | 2   |               |
| <p>ScrewFit</p> | B4035.T45.08-15.Z1.P15.M | 8–15                 | T45            | 48                   | 2   |               |
|                 | B4035.T45.08-15.Z1.P15.S | 8–15                 | T45            | 23                   | 2   |               |
|                 | B4035.T45.10-12.Z1.WC03  | 10–12                | T45            | 52                   | 2   | WC .. 0302 .. |
|                 | B4035.T45.10-17.Z1.WC03  | 10–17                | T45            | 27                   | 2   |               |
|                 | B4035.T45.11-18.Z1.WC03  | 11–18                | T45            | 27                   | 2   |               |
|                 | B4035.T45.12-14.Z1.WC03  | 12–14                | T45            | 62                   | 2   |               |
|                 | B4035.T45.12-19.Z1.WC03  | 12–19                | T45            | 42                   | 2   |               |
|                 | B4035.T45.13-20.Z1.WC03  | 13–20                | T45            | 42                   | 2   |               |
|                 | B4035.T45.14-16.Z1.WC03  | 14–16                | T45            | 72                   | 2   |               |
|                 | B4035.T45.14-21.Z1.WC03  | 14–21                | T45            | 47                   | 1.6 |               |
|                 | B4035.T45.15-22.Z1.WC03  | 15–22                | T45            | 47                   | 2   |               |
|                 | B4035.T45.16-18.Z1.WC03  | 16–18                | T45            | 82                   | 2   |               |
|                 | B4035.T45.16-23.Z1.WC03  | 16–23                | T45            | 57                   | 2   |               |
|                 | B4035.T45.17-24.Z1.WC03  | 17–24                | T45            | 57                   | 2   |               |
|                 | B4035.T45.18-20.Z1.WC03  | 18–20                | T45            | 92                   | 2   |               |
|                 | B4035.T45.18-25.Z1.WC03  | 18–25                | T45            | 65                   | 2   |               |
|                 | B4035.T45.19-26.Z1.WC03  | 19–26                | T45            | 65                   | 2   |               |

Корпус и сборочные детали входят в комплект поставки

**Сборочные детали**

|  | Тип   | WC .. 0302 ..           |
|--|---|-------------------------|
|  | Винт  | FS2101                  |
|  | Винт пластины                                 | FS2084 (T7IP)<br>0,9 Nm |
|  | Установочный винт ЪЪ                          | FS2102                  |
|  | Элемент питания                               | FS2122                  |
|  | Кольцо уплотн. для гнезда под элемент питания | FS2121                  |
|  | Крышка гнезда под элемент питания             | FS2123                  |





B 2

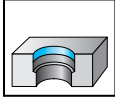
| Базовый держатель     | Расточная державка | Расточная державка |
|-----------------------|--------------------|--------------------|
| B4035G.T45.002-124.Z1 | EB603.WXP15        | EB603.WXP15        |
| B4035G.T45.002-124.Z1 | EB604.WXP15        | EB604.WXP15        |
| B4035G.T45.002-124.Z1 | EB606.WXP15        | EB606.WXP15        |
| B4035G.T45.002-124.Z1 | EB605.WXP15        | EB605.WXP15        |
| B4035G.T45.002-124.Z1 | EB608.WXP15        | EB608.WXP15        |
| B4035G.T45.002-124.Z1 | EB607.WXP15        | EB607.WXP15        |
| B4035G.T45.002-124.Z1 | EB610.WXP15        | EB610.WXP15        |
| B4035G.T45.002-124.Z1 | EB609.WXP15        | EB609.WXP15        |
| B4035G.T45.002-124.Z1 | EB637.WC03.CS      | EB637.WC03.CS      |
| B4035G.T45.002-124.Z1 | EB611.WC03         | EB611.WC03         |
| B4035G.T45.002-124.Z1 | EB612.WC03         | EB612.WC03         |
| B4035G.T45.002-124.Z1 | EB638.WC03.CS      | EB638.WC03.CS      |
| B4035G.T45.002-124.Z1 | EB613.WC03         | EB613.WC03         |
| B4035G.T45.002-124.Z1 | EB614.WC03         | EB614.WC03         |
| B4035G.T45.002-124.Z1 | EB639.WC03.CS      | EB639.WC03.CS      |
| B4035G.T45.002-124.Z1 | EB615.WC03         | EB615.WC03         |
| B4035G.T45.002-124.Z1 | EB616.WC03         | EB616.WC03         |
| B4035G.T45.002-124.Z1 | EB640.WC03.CS      | EB640.WC03.CS      |
| B4035G.T45.002-124.Z1 | EB617.WC03         | EB617.WC03         |
| B4035G.T45.002-124.Z1 | EB618.WC03         | EB618.WC03         |
| B4035G.T45.002-124.Z1 | EB641.WC03.CS      | EB641.WC03.CS      |
| B4035G.T45.002-124.Z1 | EB619.WC03         | EB619.WC03         |
| B4035G.T45.002-124.Z1 | EB620.WC03         | EB620.WC03         |

| Комплектующие |                             | Тип                  | WC .. 0302 ..        |
|---------------|-----------------------------|----------------------|----------------------|
|               | Отвёртка для винта пластины |                      | FS2088 (T7IP)        |
|               | Отвёртка для регулировки    | FS1174 (T25)         | FS1174 (T25)         |
|               | Ключ по ISO 2936-1,5        | ISO2936-1,5 (SW 1,5) | ISO2936-1,5 (SW 1,5) |
|               | Ключ по ISO 2936-3          | ISO2936-3 (SW 3)     | ISO2936-3 (SW 3)     |

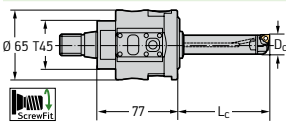
**зенкер, чистовая расточная оправка**
**B4035** 

κ=93°

Z=1



|       |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|
|       | P | M | K | N | S | H | O |
| B4035 | ● | ● | ● | ● | ● | ● | ● |

**Инструмент**


ScrewFit

| Обозначение              | D <sub>c</sub><br>mm | d <sub>1</sub> | L <sub>c</sub><br>mm | kg | Тип           |
|--------------------------|----------------------|----------------|----------------------|----|---------------|
| B4035.T45.20-24.Z1.WC04M | 20-24                | T45            | 117                  | 2  | WC .. 0402 .. |
| B4035.T45.20-24.Z1.WC04S | 20-24                | T45            | 77                   | 2  |               |
| B4035.T45.22-26.Z1.WC04M | 22-26                | T45            | 117                  | 2  |               |
| B4035.T45.22-26.Z1.WC04S | 22-26                | T45            | 77                   | 2  |               |
| B4035.T45.24-28.Z1.WC04M | 24-28                | T45            | 117                  | 2  |               |
| B4035.T45.24-28.Z1.WC04S | 24-28                | T45            | 77                   | 2  |               |
| B4035.T45.26-30.Z1.WC04M | 26-30                | T45            | 117                  | 2  |               |
| B4035.T45.26-30.Z1.WC04S | 26-30                | T45            | 77                   | 2  |               |
| B4035.T45.28-32.Z1.WC04M | 28-32                | T45            | 117                  | 2  |               |
| B4035.T45.28-32.Z1.WC04S | 28-32                | T45            | 77                   | 2  |               |
| B4035.T45.30-34.Z1.WC04M | 30-34                | T45            | 117                  | 2  |               |
| B4035.T45.30-34.Z1.WC04S | 30-34                | T45            | 77                   | 2  |               |
| B4035.T45.32-41.Z1.WC04  | 32-41                | T45            | 63                   | 2  |               |
| B4035.T45.41-50.Z1.WC04  | 41-50                | T45            | 99                   | 2  |               |
| B4035.T45.50-59.Z1.WC04  | 50-59                | T45            | 72                   | 2  |               |
| B4035.T45.59-68.Z1.WC04  | 59-68                | T45            | 117                  | 2  |               |

Корпус и сборочные детали входят в комплект поставки

**Сборочные детали**

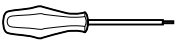
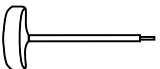


| Тип   | WC .. 0402 ..           |
|---|-------------------------|
| Винт  | FS2101                  |
| Винт пластины                                 | FS1454 (T8IP)<br>1,2 Nm |
| Установочный винт ЪЪ                          | FS2102                  |
| Элемент питания                               | FS2122                  |
| Кольцо уплотн. для гнезда под элемент питания | FS2121                  |
| Крышка гнезда под элемент питания             | FS2123                  |



B 2

| Базовый держатель     | Удлинитель | Резцовая вставка |
|-----------------------|------------|------------------|
| B4035G.T45.002-124.Z1 | EB643.CS   | EB644.WC04       |
| B4035G.T45.002-124.Z1 | EB642      | EB644.WC04       |
| B4035G.T45.002-124.Z1 | EB643.CS   | EB645.WC04       |
| B4035G.T45.002-124.Z1 | EB642      | EB645.WC04       |
| B4035G.T45.002-124.Z1 | EB643.CS   | EB621.WC04       |
| B4035G.T45.002-124.Z1 | EB642      | EB621.WC04       |
| B4035G.T45.002-124.Z1 | EB643.CS   | EB622.WC04       |
| B4035G.T45.002-124.Z1 | EB642      | EB622.WC04       |
| B4035G.T45.002-124.Z1 | EB643.CS   | EB623.WC04       |
| B4035G.T45.002-124.Z1 | EB642      | EB623.WC04       |
| B4035G.T45.002-124.Z1 | EB643.CS   | EB624.WC04       |
| B4035G.T45.002-124.Z1 | EB642      | EB624.WC04       |
| B4035G.T45.002-124.Z1 | EB625      | EB629.WC04       |
| B4035G.T45.002-124.Z1 | EB626      | EB630.WC04       |
| B4035G.T45.002-124.Z1 | EB627      | EB629.WC04       |
| B4035G.T45.002-124.Z1 | EB628      | EB630.WC04       |

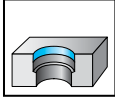
## Комплектующие

|   | Тип                         | WC .. 0402 ..        |
|---|-----------------------------|----------------------|
|  | Отвёртка для винта пластины | FS1483 (T8IP)        |
|  | Отвёртка для регулировки    | FS1174 (T25)         |
|  | Ключ по ISO 2936-1,5        | ISO2936-1,5 (SW 1,5) |
|  | Ключ по ISO 2936-3          | ISO2936-3 (SW 3)     |

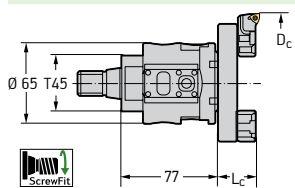
**зенкер, чистовая расточная оправка**
**B4035** 

κ=93°

Z = 1



|       |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|
|       | P | M | K | N | S | H | O |
| B4035 | ● | ● | ● | ● | ● | ● | ● |

**Инструмент**


| Обозначение              | D <sub>c</sub><br>mm | d <sub>1</sub> | L <sub>c</sub><br>mm | kg | Тип           |
|--------------------------|----------------------|----------------|----------------------|----|---------------|
| B4035.T45.68-96.Z1.WC04  | 68-96                | T45            |                      | 2  | WC .. 0402 .. |
| B4035.T45.96-124.Z1.WC04 | 96-124               | T45            |                      | 2  |               |

ScrewFit

Корпус и сборочные детали входят в комплект поставки

**Сборочные детали**

| Тип   | WC .. 0402 ..           |
|---|-------------------------|
| Винт  | FS2101                  |
| Винт пластины                                 | FS1454 (T8IP)<br>1,2 Nm |
| Установочный винт ЪЪ                          | FS2102                  |
| Элемент питания                               | FS2122                  |
| Кольцо уплотн. для гнезда под элемент питания | FS2121                  |
| Крышка гнезда под элемент питания             | FS2123                  |



|  | Базовый держатель     | Корпус | Противовес | Резцовая вставка |
|--|-----------------------|--------|------------|------------------|
|  | B4035G.T45.002-124.Z1 | EB631  | EB635      | EB634.WC04       |
|  | B4035G.T45.002-124.Z1 | EB632  | EB635      | EB634.WC04       |

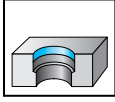
B 2

| Комплектующие |  |                      |
|---------------|--|----------------------|
|               | Тип                                    | WC .. 0402 ..        |
|               | Отвёртка для винта пластины            | FS1483 (T8IP)        |
|               | Отвёртка для регулировки               | FS1174 (T25)         |
|               | Ключ по ISO 2936-1,5                   | ISO2936-1,5 (SW 1,5) |
|               | Ключ по ISO 2936-3                     | ISO2936-3 (SW 3)     |
|               | Переходник для подвода СОЖ для корпуса | EB636                |

**зенкер, чистовая расточная оправка**
**B4035**    **inch**

κ=93°

Z = 1



|       |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|
|       | P | M | K | N | S | H | O |
| B4035 | ● | ● | ● | ● | ● | ● | ● |

**Инструмент**

|                 | Обозначение              | D <sub>c</sub><br>inch | d <sub>1</sub> | L <sub>c</sub><br>inch | lbs   | Тип           |
|-----------------|--------------------------|------------------------|----------------|------------------------|-------|---------------|
| <p>ScrewFit</p> | B4035.UT45.03-10.Z1.P15  | 0,118–0,394            | T45            | 0,394                  | 4,299 |               |
|                 | B4035.UT45.04-11.Z1.P15  | 0,157–0,433            | T45            | 0,394                  | 4,299 |               |
|                 | B4035.UT45.05-12.Z1.P15M | 0,197–0,472            | T45            | 0,787                  | 4,299 |               |
|                 | B4035.UT45.05-12.Z1.P15S | 0,197–0,472            | T45            | 0,394                  | 4,299 |               |
|                 | B4035.UT45.06-13.Z1.P15M | 0,236–0,512            | T45            | 1,181                  | 4,299 |               |
|                 | B4035.UT45.06-13.Z1.P15S | 0,236–0,512            | T45            | 0,787                  | 4,299 |               |
| <p>ScrewFit</p> | B4035.UT45.08-15.Z1.P15M | 0,315–0,591            | T45            | 1,890                  | 4,299 |               |
|                 | B4035.UT45.08-15.Z1.P15S | 0,315–0,591            | T45            | 0,906                  | 4,299 |               |
|                 | B4035.UT45.10-12.Z1.WC03 | 0,394–0,472            | T45            | 2,047                  | 4,299 | WC .. 0302 .. |
|                 | B4035.UT45.10-17.Z1.WC03 | 0,394–0,669            | T45            | 1,063                  | 4,299 |               |
|                 | B4035.UT45.11-18.Z1.WC03 | 0,433–0,709            | T45            | 1,063                  | 4,299 |               |
|                 | B4035.UT45.12-14.Z1.WC03 | 0,472–0,551            | T45            | 2,441                  | 4,299 |               |
|                 | B4035.UT45.12-19.Z1.WC03 | 0,472–0,748            | T45            | 1,654                  | 4,299 |               |
|                 | B4035.UT45.13-20.Z1.WC03 | 0,512–0,787            | T45            | 1,654                  | 4,299 |               |
|                 | B4035.UT45.14-16.Z1.WC03 | 0,551–0,630            | T45            | 2,835                  | 4,299 |               |
|                 | B4035.UT45.14-21.Z1.WC03 | 0,551–0,827            | T45            | 1,85                   | 4,299 |               |
|                 | B4035.UT45.15-22.Z1.WC03 | 0,591–0,866            | T45            | 1,85                   | 4,299 |               |
|                 | B4035.UT45.16-18.Z1.WC03 | 0,630–0,709            | T45            | 3,228                  | 4,299 |               |
|                 | B4035.UT45.16-23.Z1.WC03 | 0,630–0,906            | T45            | 2,244                  | 4,299 |               |
|                 | B4035.UT45.17-24.Z1.WC03 | 0,669–0,945            | T45            | 2,244                  | 4,299 |               |
|                 | B4035.UT45.18-20.Z1.WC03 | 0,709–0,787            | T45            | 3,622                  | 4,299 |               |
|                 | B4035.UT45.18-25.Z1.WC03 | 0,709–0,984            | T45            | 2,559                  | 4,299 |               |
|                 | B4035.UT45.19-26.Z1.WC03 | 0,748–1,024            | T45            | 2,559                  | 4,299 |               |

Корпус и сборочные детали входят в комплект поставки

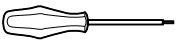
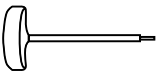

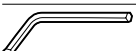
**Сборочные детали**

|  | Тип   | WC .. 0302 ..           |
|--|---|-------------------------|
|  | Винт  | FS2101                  |
|  | Винт пластины                                 | FS2084 (T7IP)<br>0,9 Nm |
|  | Установочный винт ЪЪ                          | FS2102                  |
|  | Элемент питания                               | FS2122                  |
|  | Кольцо уплотн. для гнезда под элемент питания | FS2121                  |
|  | Крышка гнезда под элемент питания             | FS2123                  |



| Базовый держатель      | Расточная державка | Расточная державка |
|------------------------|--------------------|--------------------|
| B4035G.C6.002-124.Z1   | EB603.WXP15        | EB603.WXP15        |
| B4035G.T45.002-124.Z1  | EB604.WXP15        | EB604.WXP15        |
| B4035G.T45.002-124.Z1  | EB606.WXP15        | EB606.WXP15        |
| B4035G.T45.002-124.Z1  | EB605.WXP15        | EB605.WXP15        |
| B4035G.T45.002-124.Z1  | EB608.WXP15        | EB608.WXP15        |
| B4035G.T45.002-124.Z1  | EB607.WXP15        | EB607.WXP15        |
| B4035G.T45.002-124.Z1  | EB610.WXP15        | EB610.WXP15        |
| B4035G.T45.002-124.Z1  | EB609.WXP15        | EB609.WXP15        |
| B4035G.UT45.002-124.Z1 | EB637.WC03.CS      | EB637.WC03.CS      |
| B4035G.UT45.002-124.Z1 | EB611.WC03         | EB611.WC03         |
| B4035G.UT45.002-124.Z1 | EB612.WC03         | EB612.WC03         |
| B4035G.UT45.002-124.Z1 | EB638.WC03.CS      | EB638.WC03.CS      |
| B4035G.UT45.002-124.Z1 | EB613.WC03         | EB613.WC03         |
| B4035G.UT45.002-124.Z1 | EB614.WC03         | EB614.WC03         |
| B4035G.UT45.002-124.Z1 | EB639.WC03.CS      | EB639.WC03.CS      |
| B4035G.UT45.002-124.Z1 | EB615.WC03         | EB615.WC03         |
| B4035G.UT45.002-124.Z1 | EB616.WC03         | EB616.WC03         |
| B4035G.UT45.002-124.Z1 | EB640.WC03.CS      | EB640.WC03.CS      |
| B4035G.UT45.002-124.Z1 | EB617.WC03         | EB617.WC03         |
| B4035G.UT45.002-124.Z1 | EB618.WC03         | EB618.WC03         |
| B4035G.UT45.002-124.Z1 | EB641.WC03.CS      | EB641.WC03.CS      |
| B4035G.UT45.002-124.Z1 | EB619.WC03         | EB619.WC03         |
| B4035G.UT45.002-124.Z1 | EB620.WC03         | EB620.WC03         |

### Комплектующие

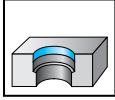
| Тип   | WC .. 0302 ..        |
|---|----------------------|
|  Отвёртка для винта пластины | FS2088 (T7IP)        |
|  Отвёртка для регулировки    | FS1174 (T25)         |
|  Ключ по ISO 2936-1,5        | ISO2936-1,5 (SW 1,5) |
|  Ключ по ISO 2936-3          | ISO2936-3 (SW 3)     |

## зенкер, чистовая расточная оправка

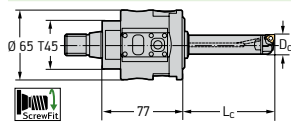
**B4035**    **inch**

κ=93°

Z = 1



|       |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|
|       | P | M | K | N | S | H | O |
| B4035 | ● | ● | ● | ● | ● | ● | ● |

**Инструмент**


ScrewFit

| Обозначение              | D <sub>c</sub><br>inch | d <sub>1</sub> | L <sub>c</sub><br>inch | lbs   | Тип           |
|--------------------------|------------------------|----------------|------------------------|-------|---------------|
| B4035.UT45.20-24.Z1WC04M | 0,787-0,945            | T45            | 4,606                  | 4,299 | WC .. 0402 .. |
| B4035.UT45.20-24.Z1WC04S | 0,787-0,945            | T45            | 3,031                  | 4,299 |               |
| B4035.UT45.22-26.Z1WC04M | 0,866-1,024            | T45            | 4,606                  | 4,299 |               |
| B4035.UT45.22-26.Z1WC04S | 0,866-1,024            | T45            | 3,031                  | 4,299 |               |
| B4035.UT45.24-28.Z1WC04M | 0,945-1,102            | T45            | 4,606                  | 4,299 |               |
| B4035.UT45.24-28.Z1WC04S | 0,945-1,102            | T45            | 3,031                  | 4,299 |               |
| B4035.UT45.26-30.Z1WC04M | 1,024-1,181            | T45            | 4,606                  | 4,299 |               |
| B4035.UT45.26-30.Z1WC04S | 1,024-1,181            | T45            | 3,031                  | 4,299 |               |
| B4035.UT45.28-32.Z1WC04M | 1,102-1,260            | T45            | 4,606                  | 4,299 |               |
| B4035.UT45.28-32.Z1WC04S | 1,102-1,260            | T45            | 3,031                  | 4,299 |               |
| B4035.UT45.30-34.Z1WC04M | 1,181-1,339            | T45            | 4,606                  | 4,299 |               |
| B4035.UT45.30-34.Z1WC04S | 1,181-1,339            | T45            | 3,031                  | 4,299 |               |
| B4035.UT45.32-41.Z1.WC04 | 1,260-1,614            | T45            | 2,48                   | 4,299 |               |
| B4035.UT45.41-50.Z1.WC04 | 1,614-1,969            | T45            | 3,898                  | 4,299 |               |
| B4035.UT45.50-59.Z1.WC04 | 1,969-2,323            | T45            | 2,835                  | 4,299 |               |
| B4035.UT45.59-68.Z1.WC04 | 2,323-2,677            | T45            | 4,606                  | 4,299 |               |

Корпус и сборочные детали входят в комплект поставки

**Сборочные детали**

| Тип   | WC .. 0402 ..           |
|---|-------------------------|
| Винт  | FS2101                  |
| Винт пластины                                 | FS1454 (T8IP)<br>1,2 Nm |
| Установочный винт ЪЪ                          | FS2102                  |
| Элемент питания                               | FS2122                  |
| Кольцо уплотн. для гнезда под элемент питания | FS2121                  |
| Крышка гнезда под элемент питания             | FS2123                  |

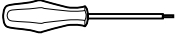
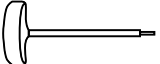

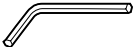




B 2

| Базовый держатель      | Удлинитель | Резцовая вставка |
|------------------------|------------|------------------|
| B4035G.UT45.002-124.Z1 | EB643.CS   | EB644.WC04       |
| B4035G.UT45.002-124.Z1 | EB642      | EB644.WC04       |
| B4035G.UT45.002-124.Z1 | EB643.CS   | EB645.WC04       |
| B4035G.UT45.002-124.Z1 | EB642      | EB645.WC04       |
| B4035G.UT45.002-124.Z1 | EB643.CS   | EB621.WC04       |
| B4035G.UT45.002-124.Z1 | EB642      | EB621.WC04       |
| B4035G.UT45.002-124.Z1 | EB643.CS   | EB622.WC04       |
| B4035G.UT45.002-124.Z1 | EB642      | EB622.WC04       |
| B4035G.UT45.002-124.Z1 | EB643.CS   | EB623.WC04       |
| B4035G.UT45.002-124.Z1 | EB642      | EB623.WC04       |
| B4035G.UT45.002-124.Z1 | EB643.CS   | EB624.WC04       |
| B4035G.UT45.002-124.Z1 | EB642      | EB624.WC04       |
| B4035G.UT45.002-124.Z1 | EB625      | EB629.WC04       |
| B4035G.UT45.002-124.Z1 | EB626      | EB630.WC04       |
| B4035G.UT45.002-124.Z1 | EB627      | EB629.WC04       |
| B4035G.UT45.002-124.Z1 | EB628      | EB630.WC04       |

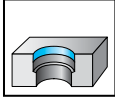
## Комплектующие

|   | Тип                         | WC .. 0402 ..        |
|---|-----------------------------|----------------------|
|  | Отвёртка для винта пластины | FS1483 (T8IP)        |
|  | Отвёртка для регулировки    | FS1174 (T25)         |
|  | Ключ по ISO 2936-1,5        | ISO2936-1,5 (SW 1,5) |
|  | Ключ по ISO 2936-3          | ISO2936-3 (SW 3)     |

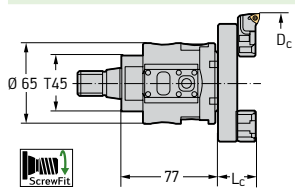
**зенкер, чистовая расточная оправка**
**B4035**    **inch**

κ=93°

Z = 1



|       |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|
|       | P | M | K | N | S | H | O |
| B4035 | ● | ● | ● | ● | ● | ● | ● |

**Инструмент**


| Обозначение               | D <sub>c</sub><br>inch | d <sub>1</sub> | L <sub>c</sub><br>inch | lbs   | Тип           |
|---------------------------|------------------------|----------------|------------------------|-------|---------------|
| B4035.UT45.68-96.Z1.WC04  | 2,677–3,780            | T45            |                        | 4,299 | WC .. 0402 .. |
| B4035.UT45.96-124.Z1.WC04 | 3,780–4,882            | T45            |                        | 4,299 |               |

ScrewFit

Корпус и сборочные детали входят в комплект поставки

**Сборочные детали**

| Тип   | WC .. 0402 ..           |
|---|-------------------------|
| Винт  | FS2101                  |
| Винт пластины                                 | FS1454 (T8IP)<br>1,2 Nm |
| Установочный винт ЪЪ                          | FS2102                  |
| Элемент питания                               | FS2122                  |
| Кольцо уплотн. для гнезда под элемент питания | FS2121                  |
| Крышка гнезда под элемент питания             | FS2123                  |



|  | Базовый держатель      | Корпус | Противовес | Резцовая вставка |
|--|------------------------|--------|------------|------------------|
|  | B4035G.UT45.002-124.Z1 | EB631  | EB635      | EB634.WC04       |
|  | B4035G.UT45.002-124.Z1 | EB632  | EB635      | EB634.WC04       |

B 2

| Комплектующие |  |                      |
|---------------|--|----------------------|
|               | Тип                                    | WC .. 0402 ..        |
|               | Отвёртка для винта пластины            | FS1483 (T8IP)        |
|               | Отвёртка для регулировки               | FS1174 (T25)         |
|               | Ключ по ISO 2936-1,5                   | ISO2936-1,5 (SW 1,5) |
|               | Ключ по ISO 2936-3                     | ISO2936-3 (SW 3)     |
|               | Переходник для подвода СОЖ для корпуса | EB636                |

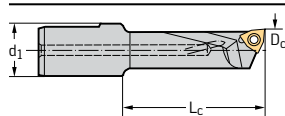
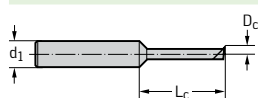
# Расточные державки

## EB100 /

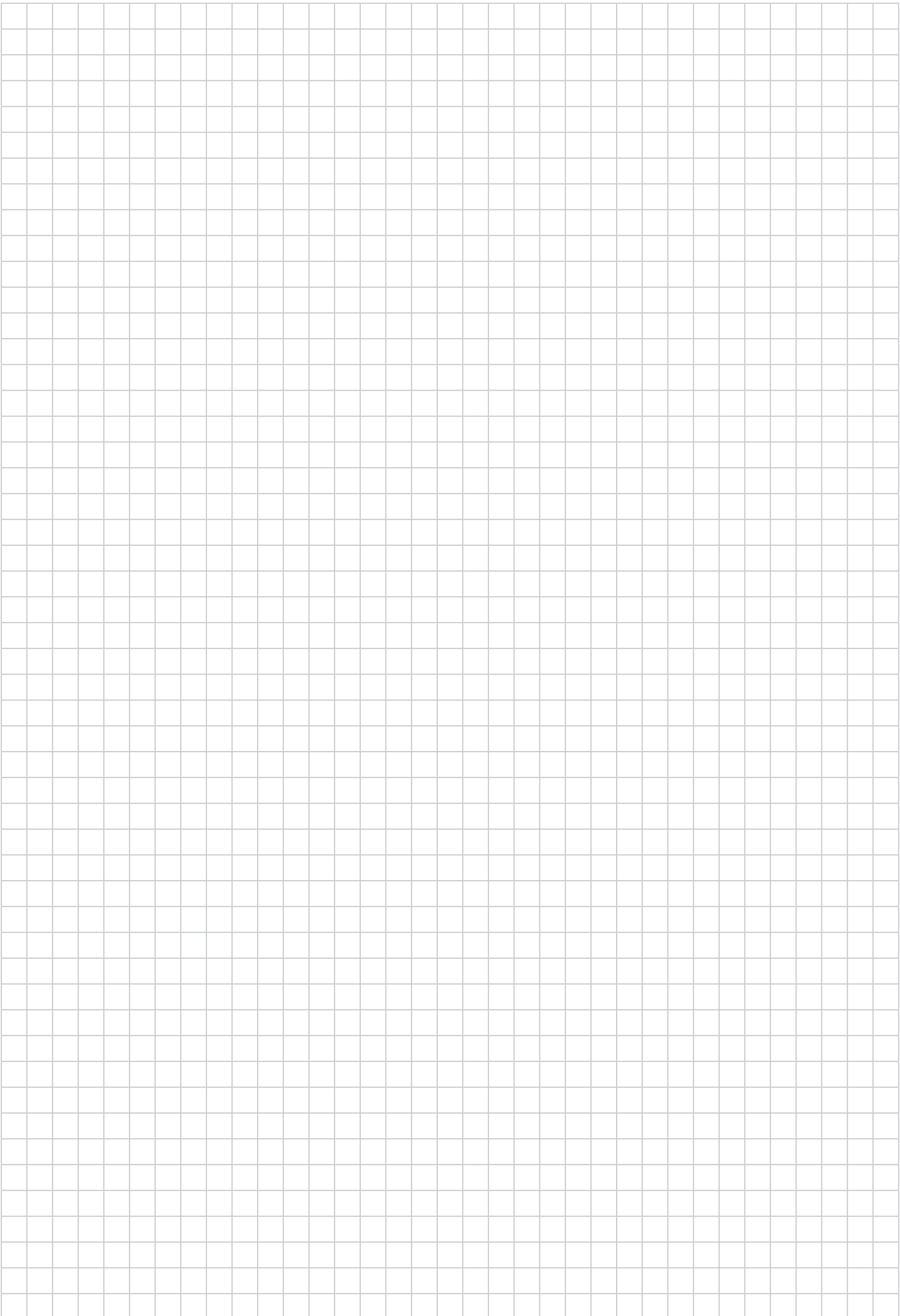
### Walter Precision DIGITAL



#### Инструмент



| Обозначение   | D <sub>cmin</sub><br>mm | d <sub>1</sub><br>mm | f<br>mm | l <sub>5</sub><br>mm | l <sub>12</sub><br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm |                   |
|---------------|-------------------------|----------------------|---------|----------------------|-----------------------|----------------------|----------------------|-------------------|
| EB603.WXP15   | 3                       |                      | 1,4     |                      | 30,2                  | 10                   | 40,2                 |                   |
| EB604.WXP15   | 4                       |                      | 1,9     |                      | 30,7                  | 10                   | 40,7                 |                   |
| EB605.WXP15   | 5                       |                      | 2,4     |                      | 30,7                  | 10                   | 40,7                 |                   |
| EB606.WXP15   | 5                       |                      | 2,4     |                      | 30,7                  | 20                   | 50,7                 |                   |
| EB607.WXP15   | 6                       |                      | 2,9     |                      | 30,7                  | 20                   | 50,7                 |                   |
| EB608.WXP15   | 6                       |                      | 2,9     |                      | 30,7                  | 30                   | 60,7                 |                   |
| EB609.WXP15   | 8                       |                      | 3,9     |                      | 29,8                  | 23                   | 52,8                 |                   |
| EB610.WXP15   | 8                       |                      | 3,9     |                      | 29,8                  | 48                   | 77,8                 |                   |
| EB611.WC03    |                         |                      |         | 27                   | -27                   | 27                   |                      |                   |
| EB612.WC03    |                         |                      |         | 27                   | -27                   | 27                   |                      |                   |
| EB613.WC03    |                         |                      |         | 42                   | -42                   | 42                   |                      |                   |
| EB614.WC03    |                         |                      |         | 42                   | -42                   | 42                   |                      |                   |
| EB615.WC03    |                         |                      |         | 47                   | -47                   | 47                   |                      |                   |
| EB616.WC03    |                         |                      |         | 47                   | -47                   | 47                   |                      |                   |
| EB617.WC03    |                         |                      |         | 57                   | -57                   | 57                   |                      |                   |
| EB618.WC03    |                         |                      |         | 57                   | -57                   | 57                   |                      |                   |
| EB619.WC03    |                         |                      |         | 65                   | -65                   | 65                   |                      |                   |
| EB620.WC03    |                         |                      |         | 65                   | -65                   | 65                   |                      |                   |
| EB637.WC03.CS |                         |                      |         | 52                   | -52                   | 52                   |                      | WISO_<br>WC0302_1 |
| EB638.WC03.CS |                         |                      |         | 62                   | -62                   | 62                   |                      |                   |
| EB639.WC03.CS |                         |                      |         | 72                   | -72                   | 72                   |                      |                   |
| EB640.WC03.CS |                         |                      |         | 82                   | -82                   | 82                   |                      |                   |
| EB641.WC03.CS |                         |                      |         | 92                   | -92                   | 92                   |                      |                   |



B2

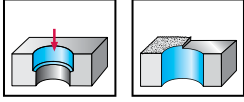
# Расточные оправки с двумя пластинами

**B5460** 

## Walter Boring XT

- Симметричное, асимметричное растачивание и растачивание с осевым и радиальным смещением (ARS)
- Базовый корпус/корпус также можно использовать для B5120

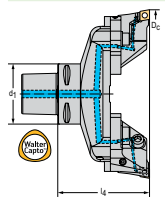
|                               |     |       |
|-------------------------------|-----|-------|
| D <sub>c</sub><br>148-<br>620 | Z=2 | κ=90° |
|-------------------------------|-----|-------|



|       |    |    |    |    |    |   |   |
|-------|----|----|----|----|----|---|---|
|       | P  | M  | K  | N  | S  | H | O |
| B5460 | ●● | ●● | ●● | ●● | ●● |   |   |

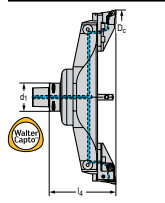
### Инструмент

B2



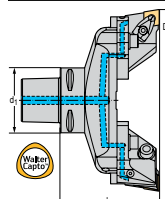
Walter Capto™ in acc. with ISO 26623

| Обозначение           | D <sub>c</sub><br>mm | d <sub>1</sub> | l <sub>4</sub><br>mm | kg  | Тип           |
|-----------------------|----------------------|----------------|----------------------|-----|---------------|
| B5460-148-200-C8-CC12 | 148-200              | C8             | 122                  | 7   | CC .. 1204 .. |
| B5460-198-250-C8-CC12 | 198-250              | C8             | 122                  | 8,1 |               |
| B5460-248-300-C8-CC12 | 248-300              | C8             | 122                  | 9,2 |               |



Walter Capto™ in acc. with ISO 26623

|                       |         |    |     |      |               |
|-----------------------|---------|----|-----|------|---------------|
| B5460-298-380-C8-CC12 | 298-380 | C8 | 179 | 15,5 | CC .. 1204 .. |
| B5460-378-460-C8-CC12 | 378-460 | C8 | 184 | 17,3 |               |
| B5460-458-540-C8-CC12 | 458-540 | C8 | 189 | 19,2 |               |
| B5460-538-620-C8-CC12 | 538-620 | C8 | 194 | 21,6 |               |



Walter Capto™ in acc. with ISO 26623

|                       |         |    |     |     |               |
|-----------------------|---------|----|-----|-----|---------------|
| B5460-148-200-C8-CN19 | 148-200 | C8 | 122 | 7,1 | CN .. 1906 .. |
| B5460-198-250-C8-CN19 | 198-250 | C8 | 122 | 8,2 |               |
| B5460-248-300-C8-CN19 | 248-300 | C8 | 122 | 9,3 |               |

Корпус и сборочные детали входят в комплект поставки

### Сборочные детали

| Тип   | CC .. 1204 ..         | CN .. 1906 ..           | WWAL_BE1204_2         |
|---|-----------------------|-------------------------|-----------------------|
| Клин  | FK398                 | FK398                   | FK398                 |
| Винт зажимной                                   | FS2662 (SW 8)         | FS2662 (SW 8)           | FS2662 (SW 8)         |
| Винт пластины                                   | FS2658 (15IP)<br>3 Nm |                         | FS2658 (15IP)<br>3 Nm |
| Стопорное кольцо                                | FS2663                | FS2663                  | FS2663                |
| Опорная пластина                                | AP197                 | AP198                   | AP199                 |
| Подкладная шайба                                | FS2647                | FS2647                  | FS2647                |
| Заглушка винтовая для отверстия для подвода СОЖ | FS2671 (SW 2.5)       | FS2671 (SW 2.5)         | FS2671 (SW 2.5)       |
| Винт опорной пластины                           | FS2660 (SW 4)         | FS2661 (20IP)<br>6,4 Nm | FS2660 (SW 4)         |
| Комплект для регулировки                        | FS2653 (SW 3)         | FS2653 (SW 3)           | FS2653 (SW 3)         |
| Шпилька   | FS2654                | FS2654                  | FS2654                |
| Тарельчатая пружина                             | FS2650                | FS2650                  | FS2650                |
| Зажим RC  |                       | FS2659                  |                       |



B 2

| Базовый держатель  | Корпус | Базовый держатель | Резцовая вставка |
|--------------------|--------|-------------------|------------------|
| B5120-148-000-C8-B |        | EB723             | EB725.CC12       |
| B5120-198-000-C8-B |        | EB723             | EB725.CC12       |
| B5120-248-000-C8-B |        | EB723             | EB725.CC12       |
| B5120-298-000-C8-B | EB731  | EB724             | EB725.CC12       |
| B5120-298-000-C8-B | EB732  | EB724             | EB725.CC12       |
| B5120-298-000-C8-B | EB733  | EB724             | EB725.CC12       |
| B5120-298-000-C8-B | EB734  | EB724             | EB725.CC12       |
| B5120-148-000-C8-B |        | EB723             | EB726.CN19       |
| B5120-198-000-C8-B |        | EB723             | EB726.CN19       |
| B5120-248-000-C8-B |        | EB723             | EB726.CN19       |

| Комплектующие |                                    | Тип | CC .. 1204 ..        | CN .. 1906 ..        | WWAL_BE1204_2        |
|---------------|------------------------------------|-----|----------------------|----------------------|----------------------|
|               | Ключ по ISO 2936-2,5               |     | ISO2936-2,5 (SW 2,5) | ISO2936-2,5 (SW 2,5) | ISO2936-2,5 (SW 2,5) |
|               | Ключ по ISO 2936-3                 |     | ISO2936-3 (SW 3)     | ISO2936-3 (SW 3)     | ISO2936-3 (SW 3)     |
|               | Ключ по ISO 2936-4                 |     | ISO2936-4 (SW 4)     | ISO2936-4 (SW 4)     | ISO2936-4 (SW 4)     |
|               | Ключ по ISO 2936-8                 |     | ISO2936-8 (SW 8)     | ISO2936-8 (SW 8)     | ISO2936-8 (SW 8)     |
|               | Динамометрические воротки          |     | FS2041               | FS2041               | FS2041               |
|               | Вставка                            |     | FS2047 (T15IP)       |                      | FS2047 (T15IP)       |
|               | Вставка                            |     | FS2048 (T20IP)       | FS2048 (T20IP)       |                      |
|               | Ключ по ISO 2936-10                |     | ISO2936-10 (SW 10)   | ISO2936-10 (SW 10)   | ISO2936-10 (SW 10)   |
|               | Отвёртка                           |     | FS1485 (T15IP)       |                      | FS1485 (T15IP)       |
|               | Ключ по ISO 2936-14                |     | ISO2936-14 (SW 14)   | ISO2936-14 (SW 14)   | ISO2936-14 (SW 14)   |
|               | Отвёртка                           |     | FS1486 (T20IP)       | FS1486 (T20IP)       |                      |
|               | Динамометрический ключ, аналоговый |     | FS2003               |                      | FS2003               |
|               | Динамометрический ключ, цифровой   |     | FS2248               |                      | FS2248               |

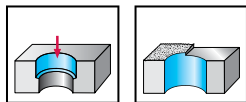
## Расточные оправки с двумя пластинами

**B5460** 

### Walter Boring XT

- Симметричное, асимметричное растачивание и растачивание с осевым и радиальным смещением (ARS)
- Базовый корпус/корпус также можно использовать для B5120

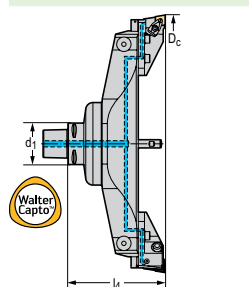
|                               |     |       |
|-------------------------------|-----|-------|
| D <sub>c</sub><br>148-<br>620 | Z=2 | κ=90° |
|-------------------------------|-----|-------|



|       |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|
|       | P | M | K | N | S | H | O |
| B5460 | ● | ● | ● | ● | ● |   |   |

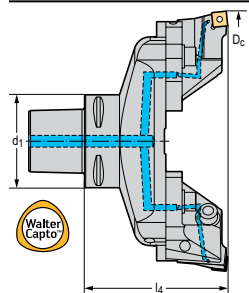
#### Инструмент

B2



Walter Capto™ in acc. with ISO 26623

| Обозначение           | D <sub>c</sub><br>mm | d <sub>1</sub> | l <sub>4</sub><br>mm | kg   | Тип               |
|-----------------------|----------------------|----------------|----------------------|------|-------------------|
| B5460-298-380-C8-CN19 | 298-380              | C8             | 179                  | 15,7 | CN .. 1906 ..     |
| B5460-378-460-C8-CN19 | 378-460              | C8             | 184                  | 17,4 |                   |
| B5460-458-540-C8-CN19 | 458-540              | C8             | 189                  | 19,3 |                   |
| B5460-538-620-C8-CN19 | 538-620              | C8             | 194                  | 21,7 |                   |
| B5460-148-200-C8-SC12 | 148-200              | C8             | 122                  | 7    | WWAL_<br>BE1204_2 |
| B5460-198-250-C8-SC12 | 198-250              | C8             | 122                  | 8,1  |                   |
| B5460-248-300-C8-SC12 | 248-300              | C8             | 122                  | 9,2  |                   |



Walter Capto™ in acc. with ISO 26623

Корпус и сборочные детали входят в комплект поставки

#### Сборочные детали

| Тип   | CC .. 1204 ..         | CN .. 1906 ..           | WWAL_BE1204_2         |
|---|-----------------------|-------------------------|-----------------------|
| Клин  | FK398                 | FK398                   | FK398                 |
| Винт зажимной                                   | FS2662 (SW 8)         | FS2662 (SW 8)           | FS2662 (SW 8)         |
| Винт пластины                                   | FS2658 (15IP)<br>3 Nm |                         | FS2658 (15IP)<br>3 Nm |
| Стопорное кольцо                                | FS2663                | FS2663                  | FS2663                |
| Опорная пластина                                | AP197                 | AP198                   | AP199                 |
| Подкладная шайба                                | FS2647                | FS2647                  | FS2647                |
| Заглушка винтовая для отверстия для подвода СОЖ | FS2671 (SW 2.5)       | FS2671 (SW 2.5)         | FS2671 (SW 2.5)       |
| Винт опорной пластины                           | FS2660 (SW 4)         | FS2661 (20IP)<br>6,4 Nm | FS2660 (SW 4)         |
| Комплект для регулировки                        | FS2653 (SW 3)         | FS2653 (SW 3)           | FS2653 (SW 3)         |
| Шпилька   | FS2654                | FS2654                  | FS2654                |
| Тарельчатая пружина                             | FS2650                | FS2650                  | FS2650                |
| Зажим RC  |                       | FS2659                  |                       |





| Базовый держатель  | Корпус | Базовый держатель | Резцовая вставка |
|--------------------|--------|-------------------|------------------|
| B5120-298-000-C8-B | EB731  | EB724             | EB726.CN19       |
| B5120-298-000-C8-B | EB732  | EB724             | EB726.CN19       |
| B5120-298-000-C8-B | EB733  | EB724             | EB726.CN19       |
| B5120-298-000-C8-B | EB734  | EB724             | EB726.CN19       |
| B5120-148-000-C8-B |        | EB723             | EB727.SC12       |
| B5120-198-000-C8-B |        | EB723             | EB727.SC12       |
| B5120-248-000-C8-B |        | EB723             | EB727.SC12       |

B 2

### Комплектующие

| Тип | CC .. 1204 ..                      | CN .. 1906 ..        | WWAL_BE1204_2        |
|-----|------------------------------------|----------------------|----------------------|
|     | Ключ по ISO 2936-2,5               | ISO2936-2,5 (SW 2,5) | ISO2936-2,5 (SW 2,5) |
|     | Ключ по ISO 2936-3                 | ISO2936-3 (SW 3)     | ISO2936-3 (SW 3)     |
|     | Ключ по ISO 2936-4                 | ISO2936-4 (SW 4)     | ISO2936-4 (SW 4)     |
|     | Ключ по ISO 2936-8                 | ISO2936-8 (SW 8)     | ISO2936-8 (SW 8)     |
|     | Динамометрические воротки          | FS2041               | FS2041               |
|     | Вставка                            | FS2047 (T15IP)       | FS2047 (T15IP)       |
|     | Вставка                            | FS2048 (T20IP)       | FS2048 (T20IP)       |
|     | Ключ по ISO 2936-10                | ISO2936-10 (SW 10)   | ISO2936-10 (SW 10)   |
|     | Отвёртка                           | FS1485 (T15IP)       | FS1485 (T15IP)       |
|     | Ключ по ISO 2936-14                | ISO2936-14 (SW 14)   | ISO2936-14 (SW 14)   |
|     | Отвёртка                           | FS1486 (T20IP)       | FS1486 (T20IP)       |
|     | Динамометрический ключ, аналоговый | FS2003               | FS2003               |
|     | Динамометрический ключ, цифровой   | FS2248               | FS2248               |

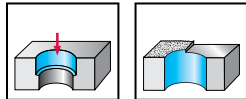
## Расточные оправки с двумя пластинами

**B5460** 

### Walter Boring XT

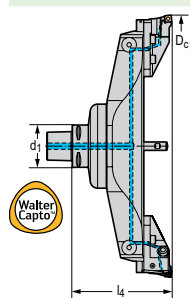
- Симметричное, асимметричное растачивание и растачивание с осевым и радиальным смещением (ARS)
- Базовый корпус/корпус также можно использовать для B5120

|                               |     |       |
|-------------------------------|-----|-------|
| D <sub>c</sub><br>148-<br>620 | Z=2 | κ=90° |
|-------------------------------|-----|-------|



|       |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|
|       | P | M | K | N | S | H | O |
| B5460 | ● | ● | ● | ● | ● |   |   |

#### Инструмент



Walter Capto™ in acc. with ISO 26623

| Обозначение           | D <sub>c</sub><br>mm | d <sub>1</sub> | l <sub>4</sub><br>mm | kg   | Тип               |
|-----------------------|----------------------|----------------|----------------------|------|-------------------|
| B5460-298-380-C8-SC12 | 298-380              | C8             | 179                  | 15,6 | WWAL_<br>BE1204_2 |
| B5460-378-460-C8-SC12 | 378-460              | C8             | 184                  | 17,3 |                   |
| B5460-458-540-C8-SC12 | 458-540              | C8             | 189                  | 19,2 |                   |
| B5460-538-620-C8-SC12 | 538-620              | C8             | 189                  | 21,6 |                   |

Корпус и сборочные детали входят в комплект поставки

#### Сборочные детали

| Тип   | CC .. 1204 ..         | CN .. 1906 ..           | WWAL_BE1204_2         |
|---|-----------------------|-------------------------|-----------------------|
| Клин  | FK398                 | FK398                   | FK398                 |
| Винт зажимной                                   | FS2662 (SW 8)         | FS2662 (SW 8)           | FS2662 (SW 8)         |
| Винт пластины                                   | FS2658 (15IP)<br>3 Nm | FS2658 (15IP)<br>3 Nm   | FS2658 (15IP)<br>3 Nm |
| Стопорное кольцо                                | FS2663                | FS2663                  | FS2663                |
| Опорная пластина                                | AP197                 | AP198                   | AP199                 |
| Подкладная шайба                                | FS2647                | FS2647                  | FS2647                |
| Заглушка винтовая для отверстия для подвода СОЖ | FS2671 (SW 2.5)       | FS2671 (SW 2.5)         | FS2671 (SW 2.5)       |
| Винт опорной пластины                           | FS2660 (SW 4)         | FS2661 (20IP)<br>6,4 Nm | FS2660 (SW 4)         |
| Комплект для регулировки                        | FS2653 (SW 3)         | FS2653 (SW 3)           | FS2653 (SW 3)         |
| Шпилька   | FS2654                | FS2654                  | FS2654                |
| Тарельчатая пружина                             | FS2650                | FS2650                  | FS2650                |
| Зажим RC  |                       | FS2659                  |                       |



| Базовый держатель  | Корпус | Базовый держатель | Резцовая вставка |
|--------------------|--------|-------------------|------------------|
| B5120-298-000-C8-B | EB731  | EB724             | EB727.SC12       |
| B5120-298-000-C8-B | EB732  | EB724             | EB727.SC12       |
| B5120-298-000-C8-B | EB733  | EB724             | EB727.SC12       |
| B5120-298-000-C8-B | EB734  | EB724             | EB727.SC12       |

B 2

| Комплектующие |                                    |                      |                      |                      |
|---------------|------------------------------------|----------------------|----------------------|----------------------|
|               | Тип                                | CC .. 1204 ..        | CN .. 1906 ..        | WWAL_BE1204_2        |
|               | Ключ по ISO 2936-2,5               | ISO2936-2,5 (SW 2,5) | ISO2936-2,5 (SW 2,5) | ISO2936-2,5 (SW 2,5) |
|               | Ключ по ISO 2936-3                 | ISO2936-3 (SW 3)     | ISO2936-3 (SW 3)     | ISO2936-3 (SW 3)     |
|               | Ключ по ISO 2936-4                 | ISO2936-4 (SW 4)     | ISO2936-4 (SW 4)     | ISO2936-4 (SW 4)     |
|               | Ключ по ISO 2936-8                 | ISO2936-8 (SW 8)     | ISO2936-8 (SW 8)     | ISO2936-8 (SW 8)     |
|               | Динамометрические воротки          | FS2041               | FS2041               | FS2041               |
|               | Вставка                            | FS2047 (T15IP)       |                      | FS2047 (T15IP)       |
|               | Вставка                            | FS2048 (T20IP)       | FS2048 (T20IP)       |                      |
|               | Ключ по ISO 2936-10                | ISO2936-10 (SW 10)   | ISO2936-10 (SW 10)   | ISO2936-10 (SW 10)   |
|               | Отвёртка                           | FS1485 (T15IP)       |                      | FS1485 (T15IP)       |
|               | Ключ по ISO 2936-14                | ISO2936-14 (SW 14)   | ISO2936-14 (SW 14)   | ISO2936-14 (SW 14)   |
|               | Отвёртка                           | FS1486 (T20IP)       | FS1486 (T20IP)       |                      |
|               | Динамометрический ключ, аналоговый | FS2003               |                      | FS2003               |
|               | Динамометрический ключ, цифровой   | FS2248               |                      | FS2248               |

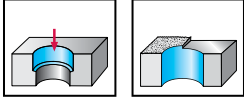
# Расточные оправки с двумя пластинами

**B5560** 

## Walter Boring XT

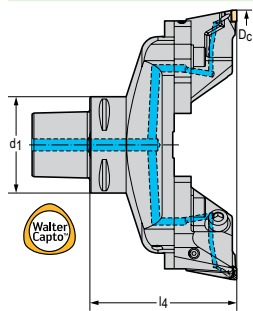
- Симметричное, асимметричное растачивание и растачивание с осевым и радиальным смещением (ARS)
- Базовый корпус/корпус также можно использовать для B5120

|                               |     |       |
|-------------------------------|-----|-------|
| D <sub>c</sub><br>148-<br>620 | Z=2 | κ=90° |
|-------------------------------|-----|-------|

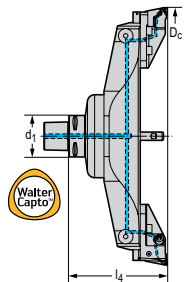


|       |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|
|       | P | M | K | N | S | H | O |
| B5560 | ● | ● | ● | ● | ● |   |   |

### Инструмент



Walter Capto™ in acc. with ISO 26623



Walter Capto™ in acc. with ISO 26623

| Обозначение           | D <sub>c</sub><br>mm | d <sub>1</sub> | l <sub>4</sub><br>mm | kg   | Тип         |
|-----------------------|----------------------|----------------|----------------------|------|-------------|
| B5560-148-200-C8-P400 | 148-200              | C8             | 122                  | 7    | P4160-2R .. |
| B5560-198-250-C8-P400 | 198-250              | C8             | 122                  | 8,2  |             |
| B5560-248-300-C8-P400 | 248-300              | C8             | 122                  | 9,2  |             |
| B5560-298-380-C8-P400 | 298-380              | C8             | 179                  | 15,5 | P4160-2R .. |
| B5560-378-460-C8-P400 | 378-460              | C8             | 184                  | 17,3 |             |
| B5560-458-540-C8-P400 | 458-540              | C8             | 189                  | 19,2 |             |
| B5560-538-620-C8-P400 | 538-620              | C8             | 194                  | 21,6 |             |

Корпус и сборочные детали входят в комплект поставки

### Сборочные детали

| Тип   | P4160-2R ..           |
|---|-----------------------|
| Клин  | FK398                 |
| Винт зажимной                                   | FS2662 (SW 8)         |
| Винт пластины                                   | FS2079 (T9IP)<br>2 Nm |
| Стопорное кольцо                                | FS2663                |
| Подкладная шайба                                | FS2647                |
| Заглушка винтовая для отверстия для подвода СОЖ | FS2671 (SW 2.5)       |
| Комплект для регулировки                        | FS2653 (SW 3)         |
| Шпилька   | FS2654                |
| Тарельчатая пружина                             | FS2650                |



| Базовый держатель  | Корпус | Базовый держатель | Резцовая вставка |
|--------------------|--------|-------------------|------------------|
| B5120-148-000-C8-B |        | EB723             | EB728.P400       |
| B5120-198-000-C8-B |        | EB723             | EB728.P400       |
| B5120-248-000-C8-B |        | EB723             | EB728.P400       |
| B5120-298-000-C8-B | EB731  | EB724             | EB728.P400       |
| B5120-298-000-C8-B | EB732  | EB724             | EB728.P400       |
| B5120-298-000-C8-B | EB733  | EB724             | EB728.P400       |
| B5120-298-000-C8-B | EB734  | EB724             | EB728.P400       |

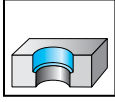
B 2

| Комплектующие |                                    | Тип | P4160-2R ..          |
|---------------|------------------------------------|-----|----------------------|
|               | Ключ по ISO 2936-2,5               |     | ISO2936-2,5 (SW 2,5) |
|               | Ключ по ISO 2936-3                 |     | ISO2936-3 (SW 3)     |
|               | Ключ по ISO 2936-8                 |     | ISO2936-8 (SW 8)     |
|               | Динамометрический ключ, аналоговый |     | FS2003               |
|               | Ключ по ISO 2936-4                 |     | ISO2936-4 (SW 4)     |
|               | Динамометрический ключ, цифровой   |     | FS2248               |
|               | Вставка                            |     | FS2013 (T9IP)        |
|               | Ключ по ISO 2936-10                |     | ISO2936-10 (SW 10)   |
|               | Отвёртка                           |     | FS1484 (T9IP)        |
|               | Ключ по ISO 2936-14                |     | ISO2936-14 (SW 14)   |

## Расточные оправки с двумя пластинами

 B3221 / B3220 
**Walter Boring** MEDIUM

|                |                   |       |
|----------------|-------------------|-------|
| $D_c$<br>20-41 | $\kappa=90^\circ$ | $Z=2$ |
|----------------|-------------------|-------|



|       | P  | M  | K  | N | S  | H | O |
|-------|----|----|----|---|----|---|---|
| B3221 | ●● | ●● | ●● | ● | ●● |   |   |
| B3220 | ●● | ●● | ●● | ● | ●● |   |   |

B2

### Инструмент

| Обозначение              | $D_c$<br>mm | $d_1$ | $l_4$<br>mm | $l_{4.1}$<br>mm | kg  | Тип           |
|--------------------------|-------------|-------|-------------|-----------------|-----|---------------|
| B3221.C3.020-024.Z2.CC06 | 20-24       | C3    | 80          |                 | 0,2 | CC .. 0602 .. |
| B3221.C3.023-027.Z2.CC06 | 23-27       | C3    | 80          |                 | 0,2 |               |
| B3221.C3.026-033.Z2.CC06 | 26-33       | C3    | 80          |                 | 0,2 |               |
| B3220.C3.033-041.Z2.CC06 | 33-41       | C3    | 80          | 80,2            | 0,4 | CC .. 0602 .. |

Walter Capto™ in acc. with ISO 26623

Walter Capto™ in acc. with ISO 26623

Корпус и сборочные детали входят в комплект поставки

### Сборочные детали

| Тип                                  | CC .. 0602 ..         |
|--------------------------------------|-----------------------|
| Винт кассеты                         | FS1093 (SW 3)<br>4 Nm |
| Винт пластины                        | FS923 (T8)<br>0,8 Nm  |
| Пружинная шайба резцовой вставки     | FS1098                |
| Регулировочный винт резцовой вставки | FS1103 (SW 1,3)       |



B 2

|  | Базовый держатель    | Резцовая вставка |
|--|----------------------|------------------|
|  | B3221G.C3.020-027.Z2 | EB401.CC06       |
|  | B3221G.C3.020-027.Z2 | EB402.CC06       |
|  | B3221G.C3.026-035.Z2 | EB403.CC06       |
|  | B3220G.C3.033-044.Z2 | EB205-206.CC06   |

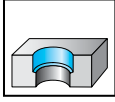
### Комплектующие

|  | Тип                  | CC .. 0602 ..        |
|--|----------------------|----------------------|
|  | Отвёртка             | FS230 (T8)           |
|  | Ключ по ISO 2936-1,3 | ISO2936-1,3 (SW 1,3) |
|  | Ключ по ISO 2936-3   | ISO2936-3 (SW 3)     |
|  | Вставки резцовые ARS | EB401-1.CC06 (ARS)   |

## Расточные оправки с двумя пластинами

 B3221 / B3220 
**Walter Boring** MEDIUM

|                |                   |       |
|----------------|-------------------|-------|
| $D_c$<br>20-41 | $\kappa=90^\circ$ | $Z=2$ |
|----------------|-------------------|-------|



|       | P  | M  | K  | N | S  | H | O |
|-------|----|----|----|---|----|---|---|
| B3221 | ●● | ●● | ●● | ● | ●● |   |   |
| B3220 | ●● | ●● | ●● | ● | ●● |   |   |

B2

### Инструмент

| Обозначение             | $D_c$<br>mm | $d_1$ | $l_4$<br>mm | $l_{4,1}$<br>mm | kg  | Тип           |
|-------------------------|-------------|-------|-------------|-----------------|-----|---------------|
| B3221.T18.20-24.Z2.CC06 | 20-24       | T18   | 35          |                 | 0,1 | CC .. 0602 .. |
| B3221.T18.23-27.Z2.CC06 | 23-27       | T18   | 35          |                 | 0,1 |               |
| B3221.T22.26-33.Z2.CC06 | 26-33       | T22   | 40          |                 | 0,1 |               |
| B3220.T28.33-41.Z2.CC06 | 33-41       | T28   | 55          | 55,2            | 0,3 | CC .. 0602 .. |

Корпус и сборочные детали входят в комплект поставки

### Сборочные детали

| Тип                                  | CC .. 0602 ..         |
|--------------------------------------|-----------------------|
| Пружинная шайба резцовой вставки     | FS1098                |
| Винт пластины                        | FS923 (T8)<br>0,8 Nm  |
| Винт кассеты                         | FS1093 (SW 3)<br>4 Nm |
| Регулировочный винт резцовой вставки | FS1103 (SW 1,3)       |
| Ключ динамометрический               | FS1386                |
| Кливис                               | FS1389                |





B 2

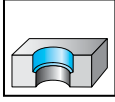
|  | Базовый держатель   | Резцовая вставка |
|--|---------------------|------------------|
|  | B3221G.T18.20-27.Z2 | EB401.CC06       |
|  | B3221G.T18.20-27.Z2 | EB402.CC06       |
|  | B3221G.T22.26-33.Z2 | EB403.CC06       |
|  | B3220G.T28.33-41.Z2 | EB205-206.CC06   |

| Комплектующие |                        |                      |
|---------------|------------------------|----------------------|
|               | Тип                    | CC .. 0602 ..        |
|               | Отвёртка               | FS230 (T8)           |
|               | Ключ по ISO 2936-1,3   | ISO2936-1,3 (SW 1,3) |
|               | Ключ по ISO 2936-1,5   | ISO2936-1,5 (SW 1,5) |
|               | Ключ по ISO 2936-3     | ISO2936-3 (SW 3)     |
|               | Ключ по ISO 2936-4     | ISO2936-4 (SW 4)     |
|               | Вставки резцовые ARS   | EB401-1.CC06 (ARS)   |
|               | Ключ динамометрический | FS1385               |
|               | Ключ динамометрический | FS1386               |
|               | Кливис                 | FS1389               |

## Расточные оправки с двумя пластинами

 B3220 
**Walter Boring** MEDIUM

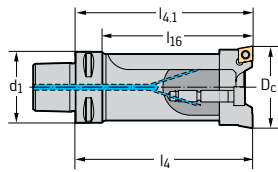
|                 |                   |       |
|-----------------|-------------------|-------|
| $D_c$<br>41-153 | $\kappa=90^\circ$ | $Z=2$ |
|-----------------|-------------------|-------|



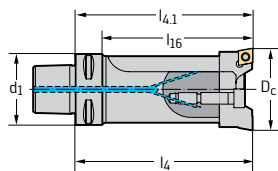
|       |    |    |    |   |    |   |   |
|-------|----|----|----|---|----|---|---|
|       | P  | M  | K  | N | S  | H | O |
| B3220 | ●● | ●● | ●● | ● | ●● |   |   |

**Инструмент**

| Обозначение              | $D_c$<br>mm | $d_1$ | $l_4$<br>mm | $l_{4.1}$<br>mm | kg  | Тип           |
|--------------------------|-------------|-------|-------------|-----------------|-----|---------------|
| B3220.C4.041-055.Z2.CC09 | 41-55       | C4    | 80          | 80,3            | 0,6 | CC .. 09T3 .. |
| B3220.C5.055-070.Z2.CC09 | 55-70       | C5    | 100         | 100,3           | 1,3 |               |
| B3220.C6.070-090.Z2.CC12 | 70-90       | C6    | 110         | 110,3           | 2,3 | CC .. 1204 .. |
| B3220.C8.090-110.Z2.CC12 | 90-110      | C8    | 110         | 110,3           | 3,8 |               |
| B3220.C8.110-133.Z2.CC12 | 110-133     | C8    | 110         | 110,3           | 4,4 |               |
| B3220.C8.130-153.Z2.CC12 | 130-153     | C8    | 110         | 110,3           | 4,4 |               |



Walter Capto™ in acc. with ISO 26623



Walter Capto™ in acc. with ISO 26623

Корпус и сборочные детали входят в комплект поставки

**Сборочные детали**

| Тип                                  | CC .. 09T3 ..          | CC .. 1204 ..          |
|--------------------------------------|------------------------|------------------------|
| Пружинная шайба резцовой вставки     | FS1100                 | FS1101                 |
| Винт пластины                        | FS359 (T15)<br>2,5 Nm  | FS1030 (T20)<br>5 Nm   |
| Винт кассеты                         | FS1095 (SW 4)<br>12 Nm | FS1096 (SW 6)<br>30 Nm |
| Регулировочный винт резцовой вставки | FS1106 (SW 2)          | FS1107 (SW 2,5)        |



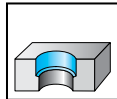
B 2

| Базовый держатель |                      | Резцовая вставка |
|-------------------|----------------------|------------------|
|                   | B3220G.C4.041-056.Z2 | EB207-208.CC09   |
|                   | B3220G.C5.055-073.Z2 | EB209-210.CC09   |
|                   | B3220G.C6.070-093.Z2 | EB211-212.CC12   |
|                   | B3220G.C8.090-113.Z2 | EB213-214.CC12   |
|                   | B3220G.C8.110-153.Z2 | EB215.CC12       |
|                   | B3220G.C8.110-153.Z2 | EB216.CC12       |

### Комплектующие

|  | Тип                  | CC .. 09T3 ..          | CC .. 1204 ..          |
|--|----------------------|------------------------|------------------------|
|  | Отвёртка             | FS229 (T15)            | FS228 (T20)            |
|  | Ключ по ISO 2936-2   | ISO2936-2 (SW 2)       |                        |
|  | Ключ по ISO 2936-2,5 |                        | ISO2936-2,5 (SW 2,5)   |
|  | Ключ по ISO 2936-5   | ISO2936-5 (SW 5)       |                        |
|  | Ключ по ISO 2936-6   |                        | ISO2936-6 (SW 6)       |
|  | Вставки резцовые ARS | EB207-208-1.CC09 (ARS) |                        |
|  | Ключ по ISO 2936-8   |                        | ISO2936-8 (SW 8)       |
|  | Вставки резцовые ARS |                        | EB211-212-1.CC12 (ARS) |

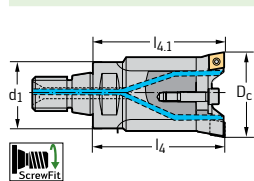
# Расточные оправки с двумя пластинами

 B3220 
**Walter Boring MEDIUM**


|                 |                   |     |
|-----------------|-------------------|-----|
| $D_c$<br>41-153 | $\kappa=90^\circ$ | Z=2 |
|-----------------|-------------------|-----|

|       |    |    |    |   |    |   |   |
|-------|----|----|----|---|----|---|---|
|       | P  | M  | K  | N | S  | H | O |
| B3220 | ●● | ●● | ●● | ● | ●● |   |   |

## Инструмент



ScrewFit

| Обозначение             | $D_c$<br>mm | $d_1$ | $l_4$<br>mm | $l_{4.1}$<br>mm | kg  | Тип           |
|-------------------------|-------------|-------|-------------|-----------------|-----|---------------|
| B3220.T36.41-55.Z2.CC09 | 41-55       | T36   | 65          | 65,3            | 0,5 | CC .. 09T3 .. |
| B3220.T45.55-70.Z2.CC09 | 55-70       | T45   | 80          | 80,3            | 0,9 |               |

Корпус и сборочные детали входят в комплект поставки

## Сборочные детали

| Тип                                  | CC .. 09T3 ..          |
|--------------------------------------|------------------------|
| Пружинная шайба резцовой вставки     | FS1100                 |
| Винт пластины                        | FS359 (T15)<br>2,5 Nm  |
| Винт кассеты                         | FS1095 (SW 4)<br>12 Nm |
| Регулировочный винт резцовой вставки | FS1106 (SW 2)          |



B 2

| Базовый держатель |                     | Резцовая вставка |
|-------------------|---------------------|------------------|
|                   | B3220G.T36.41-55.Z2 | EB207-208.CC09   |
|                   | B3220G.T45.55-70.Z2 | EB209-210.CC09   |

| Комплектующие |                      |                        |
|---------------|----------------------|------------------------|
|               | Тип                  | CC .. 09T3 ..          |
|               | Отвёртка             | FS229 (T15)            |
|               | Ключ по ISO 2936-2   | ISO2936-2 (SW 2)       |
|               | Ключ по ISO 2936-5   | ISO2936-5 (SW 5)       |
|               | Вставки резцовые ARS | EB207-208-1.CC09 (ARS) |

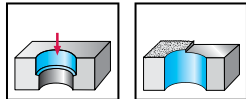
## Расточные оправки с двумя пластинами

**B5460** 

### Walter Boring XT

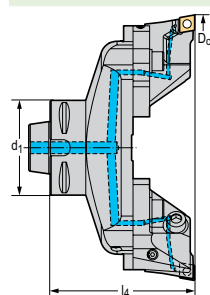
- Симметричное, асимметричное растачивание и растачивание с осевым и радиальным смещением (ARS)
- Базовый корпус/корпус также можно использовать для B5120

|                               |     |       |
|-------------------------------|-----|-------|
| D <sub>c</sub><br>148-<br>620 | Z=2 | κ=90° |
|-------------------------------|-----|-------|



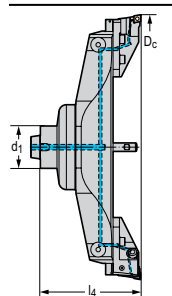
|       |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|
|       | P | M | K | N | S | H | O |
| B5460 | ● | ● | ● | ● | ● |   |   |

#### Инструмент



Modular NCT adaptor

| Обозначение           | D <sub>c</sub><br>mm | d <sub>1</sub> | l <sub>4</sub><br>mm | kg   | Тип           |
|-----------------------|----------------------|----------------|----------------------|------|---------------|
| B5460-148-200-N8-CC12 | 148–200              | NCT 80         | 122                  | 6,5  | CC .. 1204 .. |
| B5460-198-250-N8-CC12 | 198–250              | NCT 80         | 122                  | 7,7  |               |
| B5460-248-300-N8-CC12 | 248–300              | NCT 80         | 122                  | 8,7  |               |
| B5460-298-380-N8-CC12 | 298–380              | NCT 80         | 179                  | 15   | CC .. 1204 .. |
| B5460-378-460-N8-CC12 | 378–460              | NCT 80         | 184                  | 16,8 |               |
| B5460-458-540-N8-CC12 | 458–540              | NCT 80         | 189                  | 18,7 |               |
| B5460-538-620-N8-CC12 | 538–620              | NCT 80         | 194                  | 21,1 |               |



Modular NCT adaptor

Корпус и сборочные детали входят в комплект поставки

#### Сборочные детали

| Тип   | CC .. 1204 ..         | CN .. 1906 ..           | WWAL_BE1204_2         |
|---|-----------------------|-------------------------|-----------------------|
| Клин  | FK398                 | FK398                   | FK398                 |
| Винт зажимной                                   | FS2662 (SW 8)         | FS2662 (SW 8)           | FS2662 (SW 8)         |
| Винт пластины                                   | FS2658 (15IP)<br>3 Nm |                         | FS2658 (15IP)<br>3 Nm |
| Стопорное кольцо                                | FS2663                | FS2663                  | FS2663                |
| Опорная пластина                                | AP197                 | AP198                   | AP199                 |
| Подкладная шайба                                | FS2647                | FS2647                  | FS2647                |
| Заглушка винтовая для отверстия для подвода СОЖ | FS2671 (SW 2.5)       | FS2671 (SW 2.5)         | FS2671 (SW 2.5)       |
| Винт опорной пластины                           | FS2660 (SW 4)         | FS2661 (20IP)<br>6,4 Nm | FS2660 (SW 4)         |
| Комплект для регулировки                        | FS2653 (SW 3)         | FS2653 (SW 3)           | FS2653 (SW 3)         |
| Шпилька   | FS2654                | FS2654                  | FS2654                |
| Тарельчатая пружина                             | FS2650                | FS2650                  | FS2650                |
| Жажим RC  |                       | FS2659                  |                       |



| Базовый держатель  | Корпус | Базовый держатель | Резцовая вставка |
|--------------------|--------|-------------------|------------------|
| B5120-148-000-N8-B |        | EB723             | EB725.CC12       |
| B5120-198-000-N8-B |        | EB723             | EB725.CC12       |
| B5120-248-000-N8-B |        | EB723             | EB725.CC12       |
| B5120-298-000-N8-B | EB731  | EB724             | EB725.CC12       |
| B5120-298-000-N8-B | EB732  | EB724             | EB725.CC12       |
| B5120-298-000-N8-B | EB733  | EB724             | EB725.CC12       |
| B5120-298-000-N8-B | EB734  | EB724             | EB725.CC12       |

B 2

| Комплектующие |                                    |                      |                      |
|---------------|------------------------------------|----------------------|----------------------|
| Тип           | CC .. 1204 ..-WWAL_BE1204_2        | CN .. 1906 ..        |                      |
|               | Ключ по ISO 2936-2,5               | ISO2936-2,5 (SW 2,5) | ISO2936-2,5 (SW 2,5) |
|               | Ключ по ISO 2936-3                 | ISO2936-3 (SW 3)     | ISO2936-3 (SW 3)     |
|               | Ключ по ISO 2936-8                 | ISO2936-8 (SW 8)     | ISO2936-8 (SW 8)     |
|               | Динамометрические воротки          | FS2041               | FS2041               |
|               | Ключ по ISO 2936-4                 | ISO2936-4 (SW 4)     | ISO2936-4 (SW 4)     |
|               | Вставка                            | FS2047 (T15IP)       | FS2048 (T20IP)       |
|               | Ключ по ISO 2936-10                | ISO2936-10 (SW 10)   | ISO2936-10 (SW 10)   |
|               | Отвёртка                           | FS1485 (T15IP)       | FS1486 (T20IP)       |
|               | Ключ по ISO 2936-14                | ISO2936-14 (SW 14)   | ISO2936-14 (SW 14)   |
|               | Динамометрический ключ, аналоговый | FS2003               |                      |
|               | Динамометрический ключ, цифровой   | FS2248               |                      |

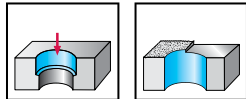
## Расточные оправки с двумя пластинами

**B5460** 

### Walter Boring XT

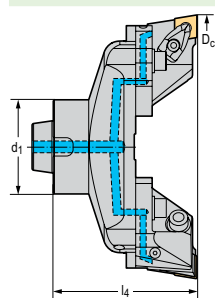
- Симметричное, асимметричное растачивание и растачивание с осевым и радиальным смещением (ARS)
- Базовый корпус/корпус также можно использовать для B5120

|                               |     |       |
|-------------------------------|-----|-------|
| D <sub>c</sub><br>148-<br>620 | Z=2 | κ=90° |
|-------------------------------|-----|-------|



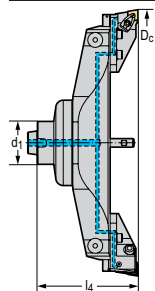
|       |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|
|       | P | M | K | N | S | H | O |
| B5460 | ● | ● | ● | ● | ● |   |   |

#### Инструмент



Modular NCT adaptor

| Обозначение           | D <sub>c</sub><br>mm | d <sub>1</sub> | l <sub>4</sub><br>mm | kg  | Тип           |
|-----------------------|----------------------|----------------|----------------------|-----|---------------|
| B5460-148-200-N8-CN19 | 148-200              | NCT 80         | 122                  | 6,5 | CN .. 1906 .. |
| B5460-198-250-N8-CN19 | 198-250              | NCT 80         | 122                  | 7,7 |               |
| B5460-248-300-N8-CN19 | 248-300              | NCT 80         | 122                  | 8,8 |               |



Modular NCT adaptor

|                       |         |        |     |      |               |
|-----------------------|---------|--------|-----|------|---------------|
| B5460-298-380-N8-CN19 | 298-380 | NCT 80 | 179 | 15,1 | CN .. 1906 .. |
| B5460-378-460-N8-CN19 | 378-460 | NCT 80 | 184 | 16,8 |               |
| B5460-458-540-N8-CN19 | 458-540 | NCT 80 | 189 | 18,8 |               |
| B5460-538-620-N8-CN19 | 538-620 | NCT 80 | 194 | 21,2 |               |

Корпус и сборочные детали входят в комплект поставки

#### Сборочные детали

| Тип | CC .. 1204 ..  | CN .. 1906 ..           | WWAL_BE1204_2         |
|-----|--|-------------------------|-----------------------|
|     | Клин<br>FK398  | FK398                   | FK398                 |
|     | Винт зажимной<br>FS2662 (SW 8)                                     | FS2662 (SW 8)           | FS2662 (SW 8)         |
|     | Винт пластины<br>FS2658 (15IP)<br>3 Nm                             |                         | FS2658 (15IP)<br>3 Nm |
|     | Стопорное кольцо<br>FS2663   | FS2663                  | FS2663                |
|     | Опорная пластина<br>AP197  | AP198                   | AP199                 |
|     | Подкладная шайба<br>FS2647   | FS2647                  | FS2647                |
|     | Заглушка винтовая для отверстия для подвода СОЖ<br>FS2671 (SW 2.5) | FS2671 (SW 2.5)         | FS2671 (SW 2.5)       |
|     | Винт опорной пластины<br>FS2660 (SW 4)                             | FS2661 (20IP)<br>6,4 Nm | FS2660 (SW 4)         |
|     | Комплект для регулировки<br>FS2653 (SW 3)                          | FS2653 (SW 3)           | FS2653 (SW 3)         |
|     | Шпилька<br>FS2654  | FS2654                  | FS2654                |
|     | Тарельчатая пружина<br>FS2650                                      | FS2650                  | FS2650                |
|     | Зажим RC   | FS2659                  |                       |





| Базовый держатель  | Корпус | Базовый держатель | Резцовая вставка |
|--------------------|--------|-------------------|------------------|
| B5120-148-000-N8-B |        | EB723             | EB726.CN19       |
| B5120-198-000-N8-B |        | EB723             | EB726.CN19       |
| B5120-248-000-N8-B |        | EB723             | EB726.CN19       |
| B5120-298-000-N8-B | EB731  | EB724             | EB726.CN19       |
| B5120-298-000-N8-B | EB732  | EB724             | EB726.CN19       |
| B5120-298-000-N8-B | EB733  | EB724             | EB726.CN19       |
| B5120-298-000-N8-B | EB734  | EB724             | EB726.CN19       |

B 2

### Комплектующие

|  | Тип                                | CC .. 1204 ...-WWAL_BE1204_2 | CN .. 1906 ..        |
|--|------------------------------------|------------------------------|----------------------|
|  | Ключ по ISO 2936-2,5               | ISO2936-2,5 (SW 2,5)         | ISO2936-2,5 (SW 2,5) |
|  | Ключ по ISO 2936-3                 | ISO2936-3 (SW 3)             | ISO2936-3 (SW 3)     |
|  | Ключ по ISO 2936-8                 | ISO2936-8 (SW 8)             | ISO2936-8 (SW 8)     |
|  | Динамометрические воротки          | FS2041                       | FS2041               |
|  | Ключ по ISO 2936-4                 | ISO2936-4 (SW 4)             | ISO2936-4 (SW 4)     |
|  | Вставка                            | FS2047 (T15IP)               | FS2048 (T20IP)       |
|  | Ключ по ISO 2936-10                | ISO2936-10 (SW 10)           | ISO2936-10 (SW 10)   |
|  | Отвёртка                           | FS1485 (T15IP)               | FS1486 (T20IP)       |
|  | Ключ по ISO 2936-14                | ISO2936-14 (SW 14)           | ISO2936-14 (SW 14)   |
|  | Динамометрический ключ, аналоговый | FS2003                       |                      |
|  | Динамометрический ключ, цифровой   | FS2248                       |                      |

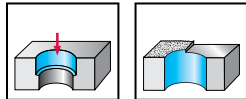
## Расточные оправки с двумя пластинами

**B5460** 

### Walter Boring XT

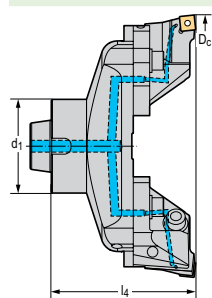
- Симметричное, асимметричное растачивание и растачивание с осевым и радиальным смещением (ARS)
- Базовый корпус/корпус также можно использовать для B5120

|                               |     |       |
|-------------------------------|-----|-------|
| D <sub>c</sub><br>148-<br>620 | Z=2 | κ=90° |
|-------------------------------|-----|-------|



|       |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|
|       | P | M | K | N | S | H | O |
| B5460 | ● | ● | ● | ● | ● |   |   |

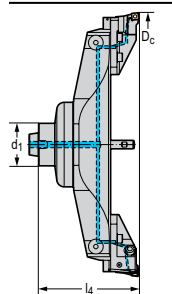
#### Инструмент



Modular NCT adaptor

| Обозначение           | D <sub>c</sub><br>mm | d <sub>1</sub> | l <sub>4</sub><br>mm | kg   | Тип               |
|-----------------------|----------------------|----------------|----------------------|------|-------------------|
| B5460-148-200-N8-SC12 | 148–200              | NCT 80         | 122                  | 6,5  | WWAL_<br>BE1204_2 |
| B5460-198-250-N8-SC12 | 198–250              | NCT 80         | 122                  | 7,5  |                   |
| B5460-248-300-N8-SC12 | 248–300              | NCT 80         | 122                  | 8,7  |                   |
| B5460-298-380-N8-SC12 | 298–380              | NCT 80         | 179                  | 15   | WWAL_<br>BE1204_2 |
| B5460-378-460-N8-SC12 | 378–460              | NCT 80         | 184                  | 16,8 |                   |
| B5460-458-540-N8-SC12 | 458–540              | NCT 80         | 189                  | 18,7 |                   |
| B5460-538-620-N8-SC12 | 538–620              | NCT 80         | 189                  | 21,1 |                   |

Modular NCT adaptor



Modular NCT adaptor

Корпус и сборочные детали входят в комплект поставки

#### Сборочные детали

| Тип   | CC .. 1204 ..         | CN .. 1906 ..           | WWAL_BE1204_2         |
|---|-----------------------|-------------------------|-----------------------|
| Клин  | FK398                 | FK398                   | FK398                 |
| Винт зажимной                                   | FS2662 (SW 8)         | FS2662 (SW 8)           | FS2662 (SW 8)         |
| Винт пластины                                   | FS2658 (15IP)<br>3 Nm |                         | FS2658 (15IP)<br>3 Nm |
| Стопорное кольцо                                | FS2663                | FS2663                  | FS2663                |
| Опорная пластина                                | AP197                 | AP198                   | AP199                 |
| Подкладная шайба                                | FS2647                | FS2647                  | FS2647                |
| Заглушка винтовая для отверстия для подвода СОЖ | FS2671 (SW 2.5)       | FS2671 (SW 2.5)         | FS2671 (SW 2.5)       |
| Винт опорной пластины                           | FS2660 (SW 4)         | FS2661 (20IP)<br>6,4 Nm | FS2660 (SW 4)         |
| Комплект для регулировки                        | FS2653 (SW 3)         | FS2653 (SW 3)           | FS2653 (SW 3)         |
| Шпилька   | FS2654                | FS2654                  | FS2654                |
| Тарельчатая пружина                             | FS2650                | FS2650                  | FS2650                |
| Зажим RC  |                       | FS2659                  |                       |



| Базовый держатель  | Корпус | Базовый держатель | Резцовая вставка |
|--------------------|--------|-------------------|------------------|
| B5120-148-000-N8-B |        | EB723             | EB727.SC12       |
| B5120-198-000-N8-B |        | EB723             | EB727.SC12       |
| B5120-248-000-N8-B |        | EB723             | EB727.SC12       |
| B5120-298-000-N8-B | EB731  | EB724             | EB727.SC12       |
| B5120-298-000-N8-B | EB732  | EB724             | EB727.SC12       |
| B5120-298-000-N8-B | EB733  | EB724             | EB727.SC12       |
| B5120-298-000-N8-B | EB734  | EB724             | EB727.SC12       |

B 2

### Комплектующие

| Тип                                | CC .. 1204 ..-WWAL_BE1204_2 | CN .. 1906 ..        |
|------------------------------------|-----------------------------|----------------------|
| Ключ по ISO 2936-2,5               | ISO2936-2,5 (SW 2,5)        | ISO2936-2,5 (SW 2,5) |
| Ключ по ISO 2936-3                 | ISO2936-3 (SW 3)            | ISO2936-3 (SW 3)     |
| Ключ по ISO 2936-8                 | ISO2936-8 (SW 8)            | ISO2936-8 (SW 8)     |
| Динамометрические воротки          | FS2041                      | FS2041               |
| Ключ по ISO 2936-4                 | ISO2936-4 (SW 4)            | ISO2936-4 (SW 4)     |
| Вставка                            | FS2047 (T15IP)              | FS2048 (T20IP)       |
| Ключ по ISO 2936-10                | ISO2936-10 (SW 10)          | ISO2936-10 (SW 10)   |
| Отвёртка                           | FS1485 (T15IP)              | FS1486 (T20IP)       |
| Ключ по ISO 2936-14                | ISO2936-14 (SW 14)          | ISO2936-14 (SW 14)   |
| Динамометрический ключ, аналоговый | FS2003                      |                      |
| Динамометрический ключ, цифровой   | FS2248                      |                      |

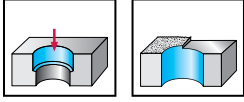
## Расточные оправки с двумя пластинами

**B5560** 

### Walter Boring XT

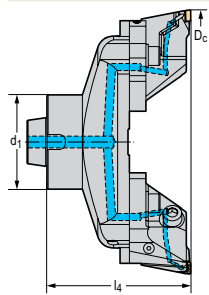
- Симметричное, асимметричное растачивание и растачивание с осевым и радиальным смещением (ARS)
- Базовый корпус/корпус также можно использовать для B5120

|                               |     |       |
|-------------------------------|-----|-------|
| D <sub>c</sub><br>148-<br>620 | Z=2 | κ=90° |
|-------------------------------|-----|-------|

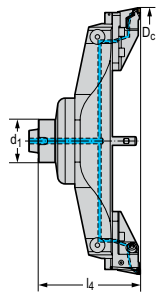


|       |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|
|       | P | M | K | N | S | H | O |
| B5560 | ● | ● | ● | ● | ● |   |   |

#### Инструмент



Modular NCT adaptor



Modular NCT adaptor

| Обозначение           | D <sub>c</sub><br>mm | d <sub>1</sub> | l <sub>4</sub><br>mm | kg   | Тип         |
|-----------------------|----------------------|----------------|----------------------|------|-------------|
| B5560-148-200-N8-P400 | 148–200              | NCT 80         | 122                  | 6,5  | P4160-2R .. |
| B5560-198-250-N8-P400 | 198–250              | NCT 80         | 122                  | 7,7  |             |
| B5560-248-300-N8-P400 | 248–300              | NCT 80         | 122                  | 8,8  |             |
| B5560-298-380-N8-P400 | 298–380              | NCT 80         | 179                  | 15   | P4160-2R .. |
| B5560-378-460-N8-P400 | 378–460              | NCT 80         | 184                  | 16,8 |             |
| B5560-458-540-N8-P400 | 458–540              | NCT 80         | 189                  | 18,7 |             |
| B5560-538-620-N8-P400 | 538–620              | NCT 80         | 194                  | 21,1 |             |

Корпус и сборочные детали входят в комплект поставки

#### Сборочные детали

| Тип   | P4160-2R ..           |
|---|-----------------------|
| Клин  | FK398                 |
| Винт зажимной                                   | FS2662 (SW 8)         |
| Винт пластины                                   | FS2079 (T9IP)<br>2 Nm |
| Стопорное кольцо                                | FS2663                |
| Подкладная шайба                                | FS2647                |
| Заглушка винтовая для отверстия для подвода СОЖ | FS2671 (SW 2.5)       |
| Комплект для регулировки                        | FS2653 (SW 3)         |
| Шпилька   | FS2654                |
| Тарельчатая пружина                             | FS2650                |



| Базовый держатель  | Корпус | Базовый держатель | Резцовая вставка |
|--------------------|--------|-------------------|------------------|
| B5120-148-000-N8-B |        | EB723             | EB728.P400       |
| B5120-198-000-N8-B |        | EB723             | EB728.P400       |
| B5120-248-000-N8-B |        | EB723             | EB728.P400       |
| B5120-298-000-N8-B | EB731  | EB724             | EB728.P400       |
| B5120-298-000-N8-B | EB732  | EB724             | EB728.P400       |
| B5120-298-000-N8-B | EB733  | EB724             | EB728.P400       |
| B5120-298-000-N8-B | EB734  | EB724             | EB728.P400       |

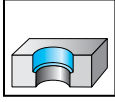
B 2

| Комплектующие |                                    | Тип | P4160-2R ..          |
|---------------|------------------------------------|-----|----------------------|
|               | Ключ по ISO 2936-2,5               |     | ISO2936-2,5 (SW 2,5) |
|               | Ключ по ISO 2936-3                 |     | ISO2936-3 (SW 3)     |
|               | Ключ по ISO 2936-8                 |     | ISO2936-8 (SW 8)     |
|               | Динамометрический ключ, аналоговый |     | FS2003               |
|               | Ключ по ISO 2936-4                 |     | ISO2936-4 (SW 4)     |
|               | Динамометрический ключ, цифровой   |     | FS2248               |
|               | Вставка                            |     | FS2013 (T9IP)        |
|               | Ключ по ISO 2936-10                |     | ISO2936-10 (SW 10)   |
|               | Отвёртка                           |     | FS1484 (T9IP)        |
|               | Ключ по ISO 2936-14                |     | ISO2936-14 (SW 14)   |

## Расточные оправки с двумя пластинами

 B3221 / B3220 
**Walter Boring** MEDIUM

|                |                   |     |
|----------------|-------------------|-----|
| $D_c$<br>20-41 | $\kappa=90^\circ$ | Z=2 |
|----------------|-------------------|-----|

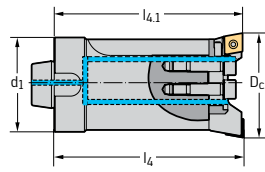


|       | P  | M  | K  | N | S  | H | O |
|-------|----|----|----|---|----|---|---|
| B3221 | ●● | ●● | ●● | ● | ●● |   |   |
| B3220 | ●● | ●● | ●● | ● | ●● |   |   |

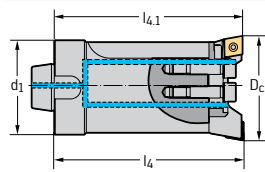
B2

**Инструмент**

| Обозначение              | $D_c$<br>mm | $d_1$  | $l_4$<br>mm | $l_{4.1}$<br>mm | kg  | Тип           |
|--------------------------|-------------|--------|-------------|-----------------|-----|---------------|
| B3221.N2.020-024.Z2.CC06 | 20-24       | NCT 25 | 80          |                 | 0,1 | CC .. 0602 .. |
| B3221.N2.023-027.Z2.CC06 | 23-27       | NCT 25 | 80          |                 | 0,2 |               |
| B3221.N2.026-033.Z2.CC06 | 26-33       | NCT 25 | 80          |                 | 0,2 |               |
| B3220.N3.033-041.Z2.CC06 | 33-41       | NCT 32 | 80          | 80,2            | 0,4 | CC .. 0602 .. |



Modular NCT adaptor



Modular NCT adaptor

Корпус и сборочные детали входят в комплект поставки

**Сборочные детали**

| Тип                                  | CC .. 0602 ..         |
|--------------------------------------|-----------------------|
| Пружинная шайба резцовой вставки     | FS1098                |
| Винт пластины                        | FS923 (T8)<br>0,8 Nm  |
| Винт кассеты                         | FS1093 (SW 3)<br>4 Nm |
| Регулировочный винт резцовой вставки | FS1103 (SW 1,3)       |
| Торцовая шпонка                      | FK311                 |
| Винт для торцовой шпонки             | FS502 (SW 2)          |



|  | Базовый держатель    | Резцовая вставка |
|--|----------------------|------------------|
|  | B3221G.N2.020-027.Z2 | EB401.CC06       |
|  | B3221G.N2.020-027.Z2 | EB402.CC06       |
|  | B3221G.N2.026-035.Z2 | EB403.CC06       |
|  | B3220G.N3.033-044.Z2 | EB205-206.CC06   |

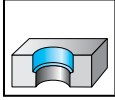
B 2

| Комплектующие |                      |                      |
|---------------|----------------------|----------------------|
|               | Тип                  | CC .. 0602 ..        |
|               | Отвёртка             | FS230 (T8)           |
|               | Ключ по ISO 2936-1,3 | ISO2936-1,3 (SW 1,3) |
|               | Ключ по ISO 2936-1,5 | ISO2936-1,5 (SW 1,5) |
|               | Ключ по ISO 2936-3   | ISO2936-3 (SW 3)     |
|               | Ключ по ISO 2936-4   | ISO2936-4 (SW 4)     |
|               | Вставки резцовые ARS | EB401-1.CC06 (ARS)   |

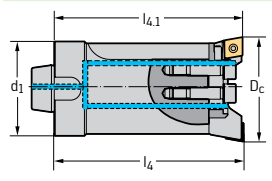
## Расточные оправки с двумя пластинами

 B3220 
**Walter Boring** MEDIUM

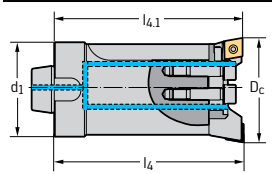
|                 |                   |       |
|-----------------|-------------------|-------|
| $D_c$<br>41-153 | $\kappa=90^\circ$ | $Z=2$ |
|-----------------|-------------------|-------|



|       |    |    |    |   |    |   |   |
|-------|----|----|----|---|----|---|---|
|       | P  | M  | K  | N | S  | H | O |
| B3220 | ●● | ●● | ●● | ● | ●● |   |   |

**Инструмент**


Modular NCT adaptor



Modular NCT adaptor

| Обозначение              | $D_c$<br>mm | $d_1$  | $l_4$<br>mm | $l_{4.1}$<br>mm | kg  | Тип           |
|--------------------------|-------------|--------|-------------|-----------------|-----|---------------|
| B3220.N4.041-055.Z2.CC09 | 41-55       | NCT 40 | 80          | 80,3            | 0,6 | CC .. 09T3 .. |
| B3220.N5.055-070.Z2.CC09 | 55-70       | NCT 50 | 100         | 100,3           | 1,1 |               |
| B3220.N6.070-090.Z2.CC12 | 70-90       | NCT 63 | 100         | 100,3           | 1,8 | CC .. 1204 .. |
| B3220.N8.090-110.Z2.CC12 | 90-110      | NCT 80 | 100         | 100,3           | 2,9 |               |
| B3220.N8.110-133.Z2.CC12 | 110-133     | NCT 80 | 100         | 100,3           | 3,4 |               |
| B3220.N8.130-153.Z2.CC12 | 130-153     | NCT 80 | 100         | 100,3           | 3,6 |               |

Корпус и сборочные детали входят в комплект поставки

**Сборочные детали**

| Тип                                  | CC .. 09T3 ..          | CC .. 1204 ..          |
|--------------------------------------|------------------------|------------------------|
| Пружинная шайба резцовой вставки     | FS1100                 | FS1101                 |
| Винт пластины                        | FS359 (T15)<br>2,5 Nm  | FS1030 (T20)<br>5 Nm   |
| Винт кассеты                         | FS1095 (SW 4)<br>12 Nm | FS1096 (SW 6)<br>30 Nm |
| Регулировочный винт резцовой вставки | FS1106 (SW 2)          | FS1107 (SW 2,5)        |
| Торцовая шпонка                      | FK313                  |                        |
| Винт для торцовой шпонки             | FS504 (SW 2,5)         |                        |





B 2

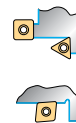
|  | Базовый держатель    | Резцовая вставка |
|--|----------------------|------------------|
|  | B3220G.N4.041-056.Z2 | EB207-208.CC09   |
|  | B3220G.N5.055-073.Z2 | EB209-210.CC09   |
|  | B3220G.N6.070-093.Z2 | EB211-212.CC12   |
|  | B3220G.N8.090-113.Z2 | EB213-214.CC12   |
|  | B3220G.N8.110-153.Z2 | EB215.CC12       |
|  | B3220G.N8.110-153.Z2 | EB216.CC12       |

### Комплектующие

|  | Тип                  | CC .. 09T3 ..          | CC .. 1204 ..          |
|--|----------------------|------------------------|------------------------|
|  | Отвёртка             | FS229 (T15)            | FS228 (T20)            |
|  | Ключ по ISO 2936-2   | ISO2936-2 (SW 2)       |                        |
|  | Ключ по ISO 2936-2,5 |                        | ISO2936-2,5 (SW 2,5)   |
|  | Ключ по ISO 2936-5   | ISO2936-5 (SW 5)       |                        |
|  | Ключ по ISO 2936-6   |                        | ISO2936-6 (SW 6)       |
|  | Вставки резцовые ARS | EB207-208-1.CC09 (ARS) |                        |
|  | Ключ по ISO 2936-8   |                        | ISO2936-8 (SW 8)       |
|  | Вставки резцовые ARS |                        | EB211-212-1.CC12 (ARS) |

## Резцовые вставки ISO

Вид обработки

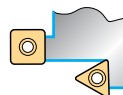
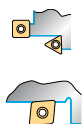


|              |     |     |     |     |     |
|--------------|-----|-----|-----|-----|-----|
| Угол в плане | 45° | 45° | 75° | 75° | 90° |
|--------------|-----|-----|-----|-----|-----|



|  |           |              |                   |              |           |
|--|-----------|--------------|-------------------|--------------|-----------|
| Обозначение  | PSSN...CA | SSSC-09...CA | PSKN...CA         | SSKC-09...CA | PCFN...CA |
| Тип пластин  |           |              |                   |              |           |
| Размер пластины l [мм]   | 12        | 9            | 9-15              | 9            | 12        |
| Система зажима   | Рычаг     | Винт         | Рычаг             | Винт         | Рычаг     |
| Точность настройки [мм]  |           |              |                   |              |           |
| D <sub>c min</sub> [мм]  | 50        | 40           | 40 / 50 / 60 / 70 | 40           | 50        |
| Страница в каталоге  | B 587     | B 591        | B 586             | B 590        | B 584     |
| QR-код   |           |              |                   |              |           |
| <a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a> | PSSN-CA   | SSSC-09-CA   | PSKN-CA           | SSKC-09-CA   | PCFN-CA   |

Вид обработки



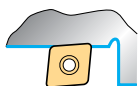
|              |     |     |     |     |     |
|--------------|-----|-----|-----|-----|-----|
| Угол в плане | 90° | 90° | 90° | 90° | 90° |
|--------------|-----|-----|-----|-----|-----|



|  |           |           |           |           |           |
|--|-----------|-----------|-----------|-----------|-----------|
| Обозначение  | PTFC...CA | PTFN...CA | SCFC...CA | STFC...CA | SWFC...CA |
| Тип пластин  |           |           |           |           |           |
| Размер пластины l [мм]   | 16        | 16        | 9-12      | 9-11      | 6         |
| Система зажима   | Рычаг     | Рычаг     | Винт      | Винт      | Винт      |
| Точность настройки [мм]  |           |           |           |           |           |
| D <sub>c min</sub> [мм]  | 50        | 50        | 40 / 50   | 25 / 40   | 40        |
| Страница в каталоге  | B 592     | B 588     | B 589     | B 592     | B 594     |
| QR-код   |           |           |           |           |           |
| <a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a> | PTFC-CA   | PTFN-CA   | SCFC-CA   | STFC-CA   | SWFC-CA   |

## Резцовые вставки ISO

Вид обработки



Угол в плане

95°

95°

105°



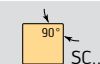
Обозначение

PCLN...CA

SCLC...CA

SSRC-12...CA

Тип пластин



Размер пластины l [мм]

12-16

9-12

9

Система зажима

Рычаг

Винт

Винт

Точность настройки [мм]

D<sub>c min</sub> [мм]

50 / 60 / 70

40 / 50

40

Страница в каталоге

B 585

B 589

B 590

QR-код



[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

PCLN-CA

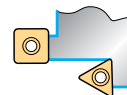
SCLC-CA

SSRC-12-CA

B2

## Резцовые вставки Walter Mini

Вид обработки

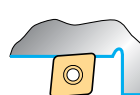
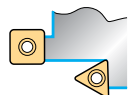


|              |     |     |     |     |     |
|--------------|-----|-----|-----|-----|-----|
| Угол в плане | 15° | 30° | 45° | 45° | 60° |
|--------------|-----|-----|-----|-----|-----|



|  |       |       |           |         |       |
|--|-------|-------|-----------|---------|-------|
| Обозначение  | FR701 | FR675 | FR/FL 673 | FR699   | FR674 |
| Тип пластин  |       |       |           |         |       |
| Размер пластины l [мм]   |       | 11    | 11        |         | 11    |
| Система зажима   | Винт  | Винт  | Винт      | Винт    | Винт  |
| Точность настройки [мм]  |       |       |           |         |       |
| D <sub>c min</sub> [мм]  | 20    | 20    | 20        | 20 / 25 | 20    |
| Страница в каталоге  | B 599 | B 596 | B 596     | B 599   | B 596 |
| QR-код   |       |       |           |         |       |
| <a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a> | FR701 | FR675 | FR-FL-673 | FR699   | FR674 |

Вид обработки



|              |     |     |     |     |     |
|--------------|-----|-----|-----|-----|-----|
| Угол в плане | 60° | 75° | 75° | 90° | 90° |
|--------------|-----|-----|-----|-----|-----|



|  |       |           |       |           |           |
|--|-------|-----------|-------|-----------|-----------|
| Обозначение  | FR698 | FR/FL 707 | FR697 | FR/FL 671 | FR/FL 672 |
| Тип пластин  |       |           |       |           |           |
| Размер пластины l [мм]   |       | 11        |       | 6         | 11        |
| Система зажима   | Винт  | Винт      | Винт  | Винт      | Винт      |
| Точность настройки [мм]  |       |           |       |           |           |
| D <sub>c min</sub> [мм]  | 20    | 20        | 20    | 14,5 / 20 | 20        |
| Страница в каталоге  | B 599 | B 596     | B 599 | B 595     | B 596     |
| QR-код   |       |           |       |           |           |
| <a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a> | FR698 | FR-FL-707 | FR697 | FR-FL-671 | FR-FL-672 |

## Резцовые вставки Walter Mini

Вид обработки

Угол в плане



Обозначение FR680

Тип пластин

Размер пластины l [мм]

4

Система зажима

Винт

Точность настройки [мм]

$D_{c \min}$  [мм]

20

Страница в каталоге

B 595

QR-код



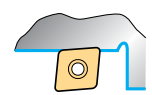
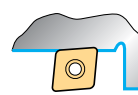
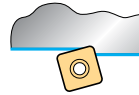
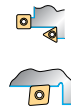
[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

FR680

B 2

## Чистовые резцовые вставки Walter

Вид обработки



Угол в плане

90°

90°

90°

90°

95°



Обозначение

FR/FL 709

FR/FL 710

FR760

FR761

FR/FL 711

Тип пластин



TC..



CC..



TC..



CC..



WC..

Размер пластины l [мм]

11

6

11

6

4

Система зажима

Винт

Винт

Винт

Винт

Винт

Точность настройки [мм]

0,01

0,01

0,002

0,002

0,01

 D<sub>c min</sub> [мм]

36

28

28

28

28

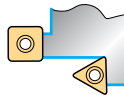
Страница в каталоге

[B 601](#)
[B 601](#)
[B 602](#)
[B 602](#)
[B 601](#)

QR-код


[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)
[FR-FL-709](#)
[FR-FL-710](#)
[FR760](#)
[FR761](#)
[FR-FL-711](#)

Вид обработки



Угол в плане

95°

95°



Обозначение

FR/FL 717

FR763

Тип пластин



CC..



CC..

Размер пластины l [мм]

6

6

Система зажима

Винт

Винт

Точность настройки [мм]

0,01

0,002

 D<sub>c min</sub> [мм]

28

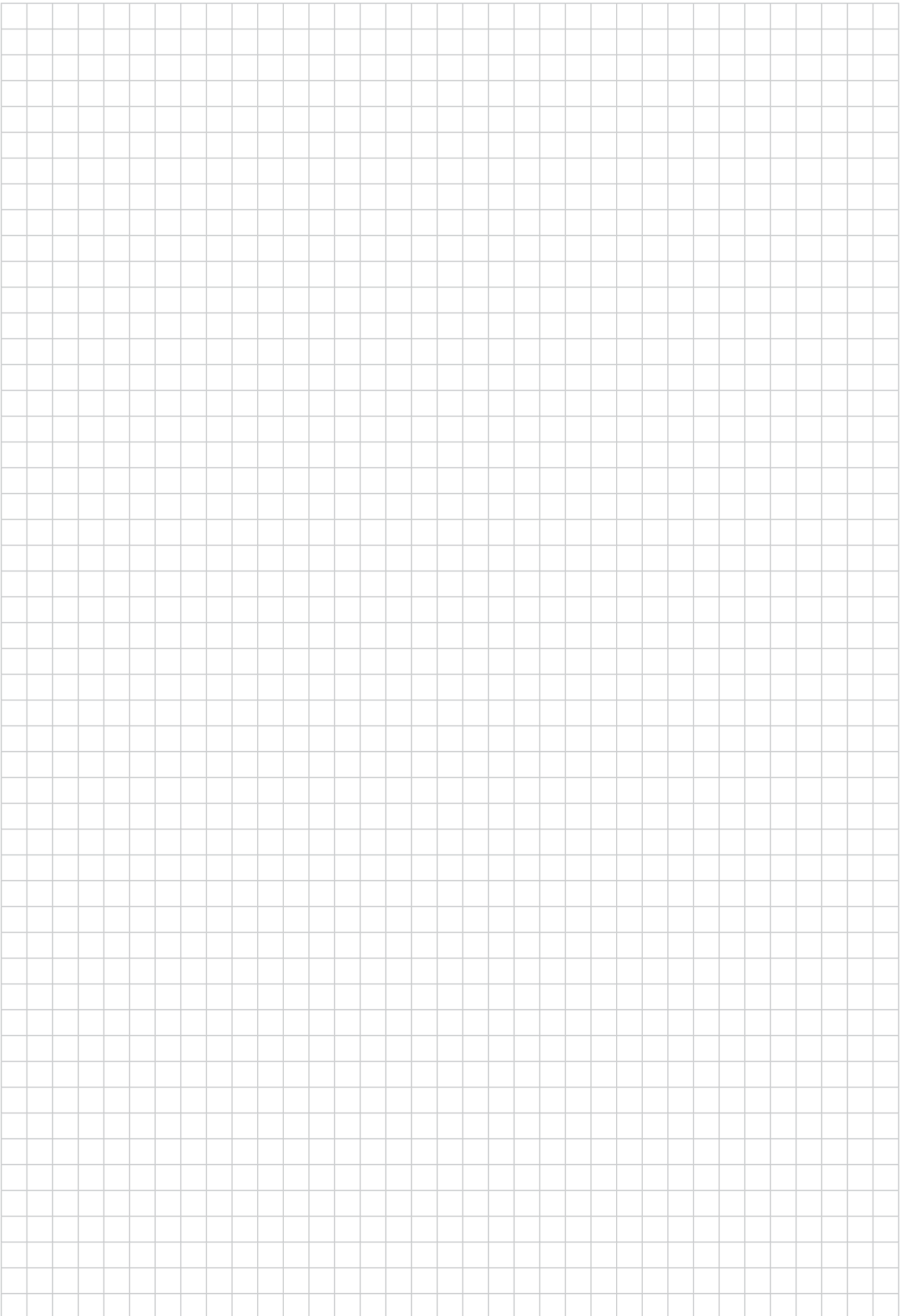
28

Страница в каталоге

[B 601](#)
[B 602](#)

QR-код

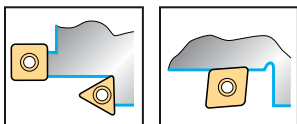

[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)
[FR-FL-717](#)
[FR763](#)



B2

# Резцовые вставки ISO

## PCFN...CA



B2

| Инструмент | Обозначение  | h <sub>1</sub><br>mm | b<br>mm | D <sub>сmin</sub><br>mm | d <sub>8</sub><br>mm | l <sub>13</sub><br>mm | f<br>mm | h<br>mm | l <sub>1</sub><br>mm | l <sub>5</sub><br>mm | t<br>mm | Тип           |
|------------|--------------|----------------------|---------|-------------------------|----------------------|-----------------------|---------|---------|----------------------|----------------------|---------|---------------|
|            | PCFNR12CA-12 | 12                   | 13,3    | 50                      | 7                    | 20                    | 20      | 20      | 47                   | 32                   | 6       | CN .. 1204 .. |

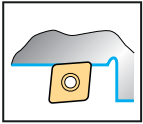
Корпус и сборочные детали входят в комплект поставки

| Сборочные детали | Тип<br>h <sub>1</sub> [mm]      | Тип<br>h <sub>1</sub> [mm] |
|------------------|---------------------------------|----------------------------|
|                  | Рычаг                           | CN .. 1204 ..<br>12        |
|                  | Винт пластины<br>Момент затяжки | KN109                      |
|                  | Винт регулировочный торцевой    | FS332 (SW 2,5)<br>2,5 Nm   |
|                  | Винт регулировочный радиальный  | FS335                      |
|                  | Винт                            | FS334 (SW 2)               |
|                  | Винт                            | FS977 (T30)                |
| Комплектующие    | Тип<br>h <sub>1</sub> [mm]      | Тип<br>h <sub>1</sub> [mm] |
|                  | Ключ по ISO 2936                | CN .. 1204 ..<br>12        |
|                  | Т-образный ключ                 | ISO2936-2,5 (SW 2,5)       |
|                  | Т-образный ключ                 | FS1175 (T30)               |



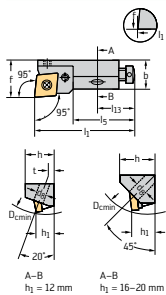
# Резцовые вставки ISO

## PCLN...CA



### Инструмент

| Обозначение  | $h_1$<br>mm | $b$<br>mm | $D_{cmin}$<br>mm | $d_8$<br>mm | $l_{13}$<br>mm | $f$<br>mm | $h$<br>mm | $l_1$<br>mm | $l_5$<br>mm | $t$<br>mm | Тип           |
|--------------|-------------|-----------|------------------|-------------|----------------|-----------|-----------|-------------|-------------|-----------|---------------|
| PCLNL12CA-12 | 12          | 16        | 50               | 7           | 20             | 20        | 20        | 55          | 28          | 6         | CN .. 1204 .. |
| PCLNL16CA-12 | 16          | 20        | 60               | 9           | 25             | 25        | 25        | 63          | 35          | 0         |               |
| PCLNL20CA-16 | 20          | 20        | 70               | 9           | 30             | 25        | 30        | 70          | 40          | 0         | CN .. 1606 .. |
| PCLNR12CA-12 | 12          | 16        | 50               | 7           | 20             | 20        | 20        | 55          | 28          | 6         | CN .. 1204 .. |
| PCLNR16CA-12 | 16          | 20        | 60               | 9           | 25             | 25        | 25        | 63          | 35          | 0         |               |
| PCLNR20CA-16 | 20          | 20        | 70               | 9           | 30             | 25        | 30        | 70          | 40          | 0         | CN .. 1606 .. |



Корпус и сборочные детали входят в комплект поставки

### Сборочные детали

| Тип<br>$h_1$ [mm]               | CN .. 1204 ..<br>12      | CN .. 1204 ..<br>16   | CN .. 1606 ..<br>20  |
|---------------------------------|--------------------------|-----------------------|----------------------|
| Опорная пластина                |                          | AP134-CN1216          | AP135-CN1624         |
| Рычаг                           | KN109                    | KN121                 | KN104                |
| Винт пластины<br>Момент затяжки | FS332 (SW 2,5)<br>2,5 Nm | FS2129 (SW 3)<br>5 Nm | FS354 (SW 3)<br>5 Nm |
| Втулка                          |                          | RS102                 | RS103                |
| Штифт                           |                          | MD101                 | MD102                |
| Винт регулировочный торцевой    | FS335                    | FS338                 | FS339                |
| Винт регулировочный радиальный  | FS334 (SW 2)             | FS337 (SW 2,5)        | FS337 (SW 2,5)       |
| Винт                            | FS977 (T30)              | FS975 (T40)           | FS975 (T40)          |

### Комплектующие

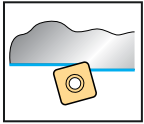
| Тип<br>$h_1$ [mm] | CN .. 1204 ..<br>12  | CN .. 1204 ..-CN .. 1606 ..<br>16-20 |
|-------------------|----------------------|--------------------------------------|
| Ключ по ISO 2936  | ISO2936-2,5 (SW 2,5) | ISO2936-3 (SW 3)                     |
| T-образный ключ   | FS1175 (T30)         | FS1176 (T40)                         |

**WALTER  
SELECT**

●● Основная область применения ● Возможная область применения  
Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

# Резцовые вставки ISO

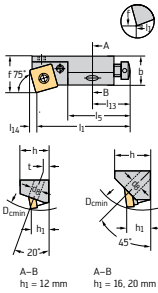
## PSKN...CA



B2

### Инструмент

| Обозначение  | h <sub>1</sub><br>mm | l <sub>14</sub><br>mm | b<br>mm | D <sub>cmin</sub><br>mm | d <sub>g</sub><br>mm | l <sub>13</sub><br>mm | f<br>mm | h<br>mm | l <sub>1</sub><br>mm | l <sub>5</sub><br>mm | t<br>mm | Тип           |
|--------------|----------------------|-----------------------|---------|-------------------------|----------------------|-----------------------|---------|---------|----------------------|----------------------|---------|---------------|
| PSKNL12CA-12 | 12                   | 3,1                   | 16      | 50                      | 7                    | 20                    | 20      | 20      | 55                   | 32                   | 6       | SN .. 1204 .. |
| PSKNL16CA-12 | 16                   | 3,1                   | 20      | 60                      | 9                    | 25                    | 25      | 25      | 63                   | 37                   | 0       |               |
| PSKNR10CA-09 | 10                   | 2,2                   | 10      | 40                      | 7                    | 20                    | 14      | 15      | 44                   | 17                   | 5       | SN .. 0903 .. |
| PSKNR12CA-12 | 12                   | 3,1                   | 16      | 50                      | 7                    | 20                    | 20      | 20      | 55                   | 32                   | 6       | SN .. 1204 .. |
| PSKNR16CA-12 | 16                   | 3,1                   | 20      | 60                      | 9                    | 25                    | 25      | 25      | 63                   | 37                   | 0       | SN .. 1506 .. |
| PSKNR20CA-15 | 20                   | 3,8                   | 20      | 70                      | 9                    | 30                    | 25      | 30      | 70                   | 40                   | 0       |               |



Корпус и сборочные детали входят в комплект поставки

### Сборочные детали

| Тип<br>h <sub>1</sub> [mm]      | SN .. 0903 ..<br>10   | SN .. 1204 ..<br>12      | SN .. 1204 ..<br>16   | SN .. 1506 ..<br>20  |
|---------------------------------|-----------------------|--------------------------|-----------------------|----------------------|
| Опорная пластина                |                       |                          | AP141-SN1216          | AP142-SN1524         |
| Рычаг                           | KN126                 | KN109                    | KN121                 | KN104                |
| Винт пластины<br>Момент затяжки | FS2182 (SW 2)<br>2 Nm | FS332 (SW 2,5)<br>2,5 Nm | FS2129 (SW 3)<br>5 Nm | FS354 (SW 3)<br>5 Nm |
| Втулка                          |                       |                          | RS102                 | RS103                |
| Штифт                           |                       |                          | MD101                 | MD102                |
| Винт регулировочный торцевой    | FS335                 | FS335                    | FS338                 | FS339                |
| Винт регулировочный радиальный  | FS333 (SW 2)          | FS333 (SW 2)             | FS337 (SW 2,5)        | FS337 (SW 2,5)       |
| Винт                            | FS976 (T30)           | FS977 (T30)              | FS975 (T40)           | FS975 (T40)          |

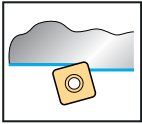
### Комплектующие

| Тип<br>h <sub>1</sub> [mm] | SN .. 0903 ..<br>10 | SN .. 1204 ..<br>12  | SN .. 1204 ..-SN .. 1506 ..<br>16-20 |
|----------------------------|---------------------|----------------------|--------------------------------------|
| Ключ по ISO 2936           | ISO2936-2 (SW 2)    | ISO2936-2,5 (SW 2,5) | ISO2936-3 (SW 3)                     |
| T-образный ключ            | FS1175 (T30)        | FS1175 (T30)         | FS1176 (T40)                         |

**WALTER  
SELECT**

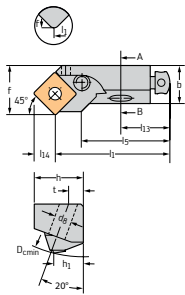
●● Основная область применения   
 ● Возможная область применения  
 Оптимально подходит для → хороших = 😊 → нормальных = 😐 → неблагоприятных = ☹️ условий обработки

# Резцовые вставки ISO PSSN...CA



## Инструмент

| Обозначение  | h <sub>1</sub><br>mm | l <sub>14</sub><br>mm | b<br>mm | D <sub>cmin</sub><br>mm | d <sub>8</sub><br>mm | l <sub>13</sub><br>mm | f<br>mm | h<br>mm | l <sub>1</sub><br>mm | l <sub>5</sub><br>mm | t<br>mm | Тип           |
|--------------|----------------------|-----------------------|---------|-------------------------|----------------------|-----------------------|---------|---------|----------------------|----------------------|---------|---------------|
| PSSNR12CA-12 | 12                   | 8,3                   | 15,5    | 50                      | 7                    | 20                    | 20      | 20      | 38                   | 30                   | 6       | SN .. 1204 .. |



Корпус и сборочные детали входят в комплект поставки

## Сборочные детали

| Тип                             | h <sub>1</sub> [mm] | SN .. 1204 ..  |
|---------------------------------|---------------------|----------------|
|                                 | 12                  | 12             |
| Рычаг                           |                     | KN109          |
|                                 |                     | FS332 (SW 2,5) |
| Винт пластины<br>Момент затяжки |                     | 2,5 Nm         |
|                                 |                     | FS335          |
| Винт регулировочный торцевой    |                     | FS333 (SW 2)   |
|                                 |                     | FS977 (T30)    |
| Винт регулировочный радиальный  |                     |                |
|                                 |                     |                |
| Винт                            |                     |                |

## Комплектующие

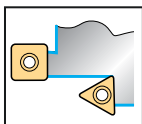
| Тип              | h <sub>1</sub> [mm] | SN .. 1204 ..        |
|------------------|---------------------|----------------------|
|                  | 12                  | 12                   |
| Ключ по ISO 2936 |                     | ISO2936-2,5 (SW 2,5) |
|                  |                     | FS1175 (T30)         |
| T-образный ключ  |                     |                      |

**WALTER  
SELECT**

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки

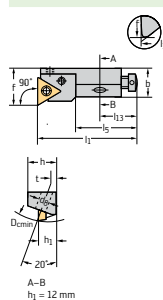
# Резцовые вставки ISO

## PTFN...CA



B2

### Инструмент



| Обозначение  | h <sub>1</sub><br>mm | b<br>mm | D <sub>cmin</sub><br>mm | d <sub>8</sub><br>mm | l <sub>13</sub><br>mm | f<br>mm | h<br>mm | l <sub>1</sub><br>mm | l <sub>5</sub><br>mm | t<br>mm | Тип           |
|--------------|----------------------|---------|-------------------------|----------------------|-----------------------|---------|---------|----------------------|----------------------|---------|---------------|
| PTFNL12CA-16 | 12                   | 16      | 50                      | 7                    | 20                    | 20      | 20      | 55                   | 32,5                 | 6       | TN .. 1604 .. |
| PTFNR12CA-16 | 12                   | 15      | 50                      | 7                    | 20                    | 20      | 20      | 55                   | 32,5                 | 6       |               |

Корпус и сборочные детали входят в комплект поставки

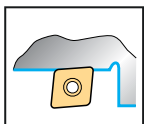
### Сборочные детали

| Тип | h <sub>1</sub> [mm]             | Тип                          |
|-----|---------------------------------|------------------------------|
|     | Рычаг                           | TN .. 1604 ..<br>12<br>KN108 |
|     | Винт пластины<br>Момент затяжки | FS331 (SW 2)<br>2 Nm         |
|     | Винт регулировочный торцевой    | FS335                        |
|     | Винт регулировочный радиальный  | FS333 (SW 2)                 |
|     | Винт                            | FS977 (T30)                  |

### Комплектующие

| Тип | h <sub>1</sub> [mm] | Тип                                     |
|-----|---------------------|---|
|     | Ключ по ISO 2936    | TN .. 1604 ..<br>12<br>ISO2936-2 (SW 2) |
|     | T-образный ключ     | FS1175 (T30)                            |

# Резцовые вставки ISO SCLC...CA / SCFC...CA



## Инструмент

| Обозначение  | $h_1$<br>mm | $b$<br>mm | $D_{cmin}$<br>mm | $d_8$<br>mm | $l_{13}$<br>mm | $f$<br>mm | $h$<br>mm | $l_1$<br>mm | $l_5$<br>mm | $t$<br>mm | Тип           |
|--------------|-------------|-----------|------------------|-------------|----------------|-----------|-----------|-------------|-------------|-----------|---------------|
| SCLCL10CA-09 | 10          | 11        | 40               | 7           | 20             | 14        | 15        | 50          | 33          | 5         | CC .. 09T3 .. |
| SCLCR10CA-09 | 10          | 11        | 40               | 7           | 20             | 14        | 15        | 50          | 33          | 5         |               |
| SCLCR12CA-12 | 12          | 16        | 50               | 7           | 20             | 20        | 20        | 55          | 32          | 6         | CC .. 1204 .. |
| SCFCL10CA-09 | 10          | 11        | 40               | 7           | 20             | 14        | 15        | 50          | 33          | 5         | CC .. 09T3 .. |
| SCFCL12CA-12 | 12          | 16        | 50               | 7           | 20             | 20        | 20        | 55          | 32          | 6         | CC .. 1204 .. |
| SCFCR10CA-09 | 10          | 11        | 40               | 7           | 20             | 14        | 15        | 50          | 33          | 5         | CC .. 09T3 .. |
| SCFCR12CA-12 | 12          | 16        | 50               | 7           | 20             | 20        | 20        | 55          | 32          | 6         | CC .. 1204 .. |

Корпус и сборочные детали входят в комплект поставки

## Сборочные детали

| Тип<br>$h_1$ [mm]               | CC .. 09T3 ..<br>10   | CC .. 1204 ..<br>12  |
|---------------------------------|-----------------------|----------------------|
| Винт пластины<br>Момент затяжки | FS359 (T15)<br>2,5 Nm | FS1029 (T20)<br>5 Nm |
| Винт регулировочный торцевой    | FS335                 | FS335                |
| Винт регулировочный радиальный  | FS369 (SW 2)          | FS334 (SW 2)         |
| Винт                            | FS976 (T30)           | FS976 (T30)          |

## Комплектующие

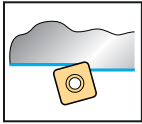
| Тип<br>$h_1$ [mm] | CC .. 09T3 ..<br>10 | CC .. 1204 ..<br>12 |
|-------------------|---------------------|---------------------|
| Ключ по ISO 2936  | ISO2936-2 (SW 2)    | ISO2936-2 (SW 2)    |
| Отвёртка          | FS229 (T15)         | FS228 (T20)         |

**WALTER  
SELECT**

●● Основная область применения ● Возможная область применения  
Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

# Вставка резцовая ISO

## SSRC-12...CA / SSKC-09...CA



B2

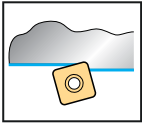
| Инструмент | Обозначение  | h <sub>1</sub><br>mm | l <sub>14</sub><br>mm | b<br>mm | D <sub>cmin</sub><br>mm | d <sub>g</sub><br>mm | l <sub>13</sub><br>mm | f<br>mm | h<br>mm | l <sub>1</sub><br>mm | l <sub>5</sub><br>mm | t<br>mm | Тип           |
|------------|--------------|----------------------|-----------------------|---------|-------------------------|----------------------|-----------------------|---------|---------|----------------------|----------------------|---------|---------------|
|            | SSRCR10CA-09 | 10                   |                       | 11      | 40                      | 7                    | 20                    | 14      | 15      | 50                   | 33                   | 5       | SC .. 09T3 .. |
|            | SSKCR10CA-09 | 10                   | 2,2                   | 11      | 40                      | 7                    | 20                    | 14      | 15      | 50                   | 33                   | 5       | SC .. 09T3 .. |

Корпус и сборочные детали входят в комплект поставки

| Сборочные детали |                                 | Тип<br>h <sub>1</sub> [mm] | SC .. 09T3 ..<br>10   |
|------------------|---------------------------------|----------------------------|-----------------------|
|                  | Винт пластины<br>Момент затяжки |                            | FS359 (T15)<br>2,5 Nm |
|                  | Винт регулировочный радиальный  |                            | FS369 (SW 2)          |
|                  | Винт регулировочный торцевой    |                            | FS335                 |
| Комплектующие    |                                 | Тип<br>h <sub>1</sub> [mm] | SC .. 09T3 ..<br>10   |
|                  | Винт по ISO 7380                |                            | FS976 (T30)           |
|                  | Отвёртка                        |                            | FS229 (T15)           |

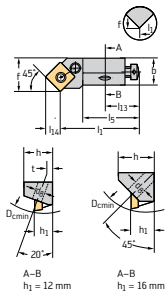
●● Основная область применения    ● Возможная область применения  
 Оптимально подходит для → хороших = 😊 → нормальных = 😐 → неблагоприятных = ☹️ условий обработки

# Резцовые вставки ISO SSSC-09...CA



## Инструмент

| Обозначение  | $h_1$<br>mm | $l_{14}$<br>mm | b<br>mm | $D_{cmin}$<br>mm | $d_8$<br>mm | $l_{13}$<br>mm | f<br>mm | h<br>mm | $l_1$<br>mm | $l_5$<br>mm | t<br>mm | Тип           |
|--------------|-------------|----------------|---------|------------------|-------------|----------------|---------|---------|-------------|-------------|---------|---------------|
| SSSCR10CA-09 | 10          | 6,1            | 11      | 40               | 7           | 20             | 14      | 15      | 44          | 33          | 5       | SC .. 09T3 .. |



Корпус и сборочные детали входят в комплект поставки

## Сборочные детали

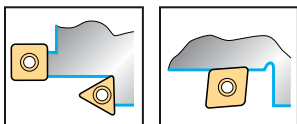
| Тип        | Тип                             | SC .. 09T3 ..         |
|------------|---------------------------------|-----------------------|
| $h_1$ [mm] |                                 | 10                    |
|            | Винт регулировочный радиальный  | FS369 (SW 2)          |
|            | Винт регулировочный торцевой    | FS335                 |
|            | Винт пластины<br>Момент затяжки | FS359 (T15)<br>2,5 Nm |

## Комплектующие

| Тип        | Тип              | SC .. 09T3 .. |
|------------|------------------|---------------|
| $h_1$ [mm] |                  | 10            |
|            | Винт по ISO 7380 | FS976 (T30)   |
|            | Отвёртка         | FS229 (T15)   |

# Резцовые вставки ISO

## PTFC...CA / STFC...CA



B2

### Инструмент

|  | Обозначение  | h <sub>1</sub><br>mm | b<br>mm | D <sub>cmin</sub><br>mm | d <sub>8</sub><br>mm | l <sub>13</sub><br>mm | f<br>mm | h<br>mm | l <sub>1</sub><br>mm | l <sub>5</sub><br>mm | t<br>mm | Тип           |
|--|--------------|----------------------|---------|-------------------------|----------------------|-----------------------|---------|---------|----------------------|----------------------|---------|---------------|
|  | PTFCL12CA-16 | 12                   | 16      | 50                      | 7                    | 20                    | 20      | 20      | 55                   | 34                   | 6       | TC .. 16T3 .. |
|  | PTFCR12CA-16 | 12                   | 16      | 50                      | 7                    | 20                    | 20      | 20      | 55                   | 34                   | 6       |               |
|  | STFCR08CA-09 | 8                    | 6,6     | 25                      | 4,5                  | 17                    | 10      | 9,4     | 32                   | 22                   | 4,5     | TC .. 0902 .. |
|  | STFCR10CA-11 | 10                   | 11      | 40                      | 7                    | 20                    | 14      | 15      | 50                   | 33                   | 5       | TC .. 1102 .. |

Корпус и сборочные детали входят в комплект поставки

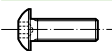
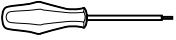
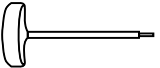

### Сборочные детали

|  | Тип<br>h <sub>1</sub> [mm]      | TC .. 0902 ..<br>8      | TC .. 1102 ..<br>10  | TC .. 16T3 ..<br>12 |
|--|---------------------------------|-------------------------|----------------------|---------------------|
|  | Рычаг                           |                         |                      | KN115               |
|  | Винт пластины<br>Момент затяжки | FS2149 (T7IP)<br>0,9 Nm | FS375 (T7)<br>0,8 Nm |                     |
|  | Винт пластины                   |                         |                      | FS346 (SW 2)        |
|  | Винт регулировочный торцевой    | FS1023                  |                      |                     |
|  | Винт регулировочный радиальный  | FS493 (SW 1,5)          | FS369 (SW 2)         | FS333 (SW 2)        |
|  | Винт регулировочный торцевой    |                         | FS335                | FS335               |
|  | Винт                            | FS2106 (T15IP)          | FS976 (T30)          |                     |

**WALTER  
SELECT**

●● Основная область применения   
 ● Возможная область применения  
 Оптимально подходит для → хороших = 😊 → нормальных = 😐 → неблагоприятных = ☹️ условий обработки



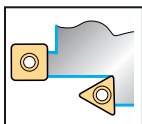
| Комплектующие   | Тип<br>h <sub>1</sub> [мм] | ТС .. 0902 ..<br>8 | ТС .. 1102 ..<br>10 | ТС .. 16T3 ..<br>12 |
|---|----------------------------|--------------------|---------------------|---------------------|
|  | Винт по ISO 7380           |                    |                     | FS977 (T30)         |
|  | Отвёртка                   | FS2088 (T7IP)      | FS309 (T7)          |                     |
|  | T-образный ключ            | FS1485 (T15IP)     | FS1175 (T30)        |                     |
|  | Ключ ISO 2938              |                    |                     | ISO2936-2 (SW 2)    |

B2

●● Основная область применения    ● Возможная область применения  
 Оптимально подходит для → хороших = 😊 → нормальных = 😐 → неблагоприятных = ☹️ условий обработки

# Резцовые вставки ISO

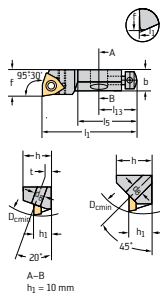
## SWFC...CA



B2

### Инструмент

| Обозначение  | $h_1$<br>mm | b<br>mm | $D_{cmin}$<br>mm | $d_8$<br>mm | $l_{13}$<br>mm | f<br>mm | h<br>mm | $l_1$<br>mm | $l_5$<br>mm | t<br>mm | Тип           |
|--------------|-------------|---------|------------------|-------------|----------------|---------|---------|-------------|-------------|---------|---------------|
| SWFCR10CA-06 | 10          | 11      | 40               | 7           | 20             | 14      | 15      | 50          | 33          | 5       | WC .. 06T3 .. |



Корпус и сборочные детали входят в комплект поставки

### Сборочные детали

| Тип        | Тип                             | WC .. 06T3 ..         |
|------------|---------------------------------|-----------------------|
| $h_1$ [mm] |                                 | 10                    |
|            | Винт пластины<br>Момент затяжки | FS359 (T15)<br>2,5 Nm |
|            | Винт регулировочный радиальный  | FS369 (SW 2)          |
|            | Винт регулировочный торцевой    | FS335                 |

### Комплектующие

| Тип        | Тип              | WC .. 06T3 .. |
|------------|------------------|---------------|
| $h_1$ [mm] |                  | 10            |
|            | Винт по ISO 7380 | FS976 (T30)   |
|            | Отвёртка         | FS229 (T15)   |

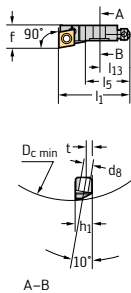
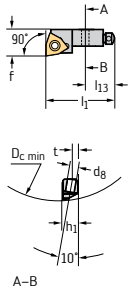
# Резцовые вставки Mini

## FR680 / FR/FL 671



### Инструмент

| Обозначение | $h_1$<br>mm | $b$<br>mm | $D_{cmin}$<br>mm | $d_8$<br>mm | $l_{13}$<br>mm | $f$<br>mm | $h$<br>mm | $l_1$<br>mm | $l_5$<br>mm | $t$<br>mm | Тип           |
|-------------|-------------|-----------|------------------|-------------|----------------|-----------|-----------|-------------|-------------|-----------|---------------|
| FR680       |             | 20        | 9,7              | 3,4         | 6              | 25        |           | 10,5        | 15,5        | 2,3       | WC .. 0402 .. |
| FL671       |             | 20        | 9,7              | 3,4         | 6              | 25        |           | 10,5        |             | 2,3       | WC .. 06T3 .. |
| FR670       |             | 14,5      | 8                | 3,4         | 6              | 25        |           | 10,5        |             | 2,3       | CP .. 0502 .. |
| FR671       |             | 20        | 9,7              | 3,4         | 6              | 25        |           | 10,5        |             | 2,3       | WC .. 06T3 .. |



Корпус и сборочные детали входят в комплект поставки

### Сборочные детали

| Тип $h_1$ [mm]                  | CP .. 0502 ..<br>6    | WC .. 0402 ..–WC .. 06T3 ..<br>6 |
|---------------------------------|-----------------------|----------------------------------|
| Винт пластины<br>Момент затяжки | FS1020 (T7)<br>0,6 Nm | FS924 (T8)<br>0,8 Nm             |
| Винт регулировочный радиальный  | FS493 (SW 1,5)        | FS493 (SW 1,5)                   |
| Винт регулировочный торцевой    | FS1023                | FS1023                           |
| Винт                            | FS1024 (SW 2)         | FS1024 (SW 2)                    |

### Комплектующие

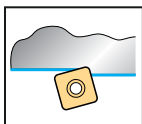
| Тип $h_1$ [mm] | CP .. 0502 ..<br>6 | WC .. 0402 ..–WC .. 06T3 ..<br>6 |
|----------------|--------------------|----------------------------------|
| Отвёртка       | FS309 (T7)         | FS230 (T8)                       |

**WALTER  
SELECT**

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

# Резцовые вставки Mini

## FR675 / FR/FL 673 / FR674



B2

| Инструмент | Обозначение    | $l_{14}$<br>mm | $D_{c\min}$<br>mm | $f$<br>mm | $d_8$<br>mm | $h_1$<br>mm | $l_1$<br>mm | $l_{13}$<br>mm | $t$<br>mm | Тип           |
|------------|----------------|----------------|-------------------|-----------|-------------|-------------|-------------|----------------|-----------|---------------|
|            | FR675          | 5,2            | 20                | 10,8      | 4,5         | 8           | 28          | 12             | 3,2       | TC .. 1102 .. |
|            | FL673<br>FR673 | 7,4            | 20                | 10,8      | 4,5         | 8           | 28          | 12             | 3,2       | TC .. 1102 .. |
|            | FR674          | 9,1            | 20                | 11        | 4,5         | 8           | 28          | 12             | 3,2       | TC .. 1102 .. |

Корпус и сборочные детали входят в комплект поставки

| Сборочные детали | Тип<br>$h_1$ [mm]               | ТС .. 1102 ..<br>8   |
|------------------|---------------------------------|----------------------|
|                  | Винт пластины<br>Момент затяжки | FS375 (T7)<br>0,8 Nm |
|                  | Винт регулировочный радиальный  | FS494 (SW 1,5)       |
|                  | Винт регулировочный торцевой    | FS1023               |
|                  | Винт                            | FS2106 (T15IP)       |

**WALTER  
SELECT**

●● Основная область применения    ● Возможная область применения  
 Оптимально подходит для → хороших = 😊 → нормальных = 😐 → неблагоприятных = ☹️ условий обработки

| Комплектующие   | Тип<br>h <sub>1</sub> [mm] | TC .. 1102 ..<br>8 |
|---|----------------------------|--------------------|
|  | Отвёртка                   | FS309 (T7)         |

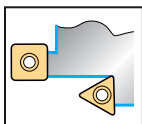
B2

**WALTER SELECT**
●● Основная область применения ● Возможная область применения

Оптимально подходит для → хороших = 😊 → нормальных = 😐 → неблагоприятных = ☹️ условий обработки

# Резцовые вставки Mini

## FR/FL 707 / FR/FL 672



B2

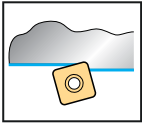
| Инструмент | Обозначение | $l_{14}$<br>mm | $D_{cmin}$<br>mm | $f$<br>mm | $d_8$<br>mm | $h_1$<br>mm | $l_1$<br>mm | $l_{13}$<br>mm | $t$<br>mm | Тип           |
|------------|-------------|----------------|------------------|-----------|-------------|-------------|-------------|----------------|-----------|---------------|
|            | FR707       | 10,1           | 20               | 11        | 4,5         | 8           | 28          | 12             | 3,2       | ТС .. 1102 .. |
|            | FL672       |                | 20               | 11        | 4,5         | 8           | 28          | 12             | 3,2       | ТС .. 1102 .. |
|            | FR672       |                | 20               | 11        | 4,5         | 8           | 28          | 12             | 3,2       |               |

Корпус и сборочные детали входят в комплект поставки

| Сборочные детали |                                 | Тип        | ТС .. 1102 ..        |
|------------------|---------------------------------|------------|----------------------|
|                  |                                 | $h_1$ [mm] | 8                    |
|                  | Винт пластины<br>Момент затяжки |            | FS375 (T7)<br>0,8 Nm |
|                  | Винт регулировочный радиальный  |            | FS494 (SW 1,5)       |
|                  | Винт регулировочный торцевой    |            | FS1023               |
|                  | Винт                            |            | FS2106 (T15IP)       |
| Комплектующие    |                                 | Тип        | ТС .. 1102 ..        |
|                  |                                 | $h_1$ [mm] | 8                    |
|                  | Отвёртка                        |            | FS309 (T7)           |

# Резцовые вставки Mini

## FR701 / FR699



| Инструмент | Обозначение | l <sub>14</sub><br>mm | D <sub>cmin</sub><br>mm | f<br>mm | d <sub>8</sub><br>mm | h <sub>1</sub><br>mm | l <sub>1</sub><br>mm | l <sub>13</sub><br>mm | t<br>mm | Тип             |
|------------|-------------|-----------------------|-------------------------|---------|----------------------|----------------------|----------------------|-----------------------|---------|-----------------|
|            | FR701       | 1,4                   | 20                      | 9,7     | 3,4                  | 6                    | 25                   | 10,5                  | 2,3     | P284 . S-1N- .. |
|            | FL704       | 4,6                   | 25                      | 11,5    | 4,5                  | 8                    | 28                   | 12                    | 3,2     | P284 . S-2N- .. |
|            | FR699       | 3,7                   | 20                      | 9,7     | 3,4                  | 6                    | 25                   | 10,5                  | 2,3     | P284 . S-1N- .. |

Корпус и сборочные детали входят в комплект поставки

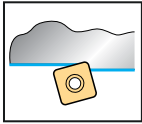
| Сборочные детали | Тип<br>h <sub>1</sub> [mm]      | P284 . S-1N- ..<br>6 | P284 . S-2N- ..<br>8  |
|------------------|---------------------------------|----------------------|-----------------------|
|                  | Винт пластины<br>Момент затяжки | FS924 (T8)<br>0,8 Nm | FS1005 (T8)<br>1,5 Nm |
|                  | Винт регулировочный радиальный  | FS493 (SW 1,5)       | FS494 (SW 1,5)        |
|                  | Винт регулировочный торцевой    | FS1023               | FS1023                |
|                  | Винт                            | FS1024 (SW 2)        | FS2106 (T15IP)        |

| Комплектующие | Тип<br>h <sub>1</sub> [mm] | P284 . S-1N- ...-P284 . S-2N- ..<br>6-8 |
|---------------|----------------------------|---|
|               | Отвёртка                   | FS230 (T8)                              |

●● Основная область применения    ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = 😐 → неблагоприятных = ☹ условий обработки

# Резцовые вставки Mini

## FR698 / FR697



B2

| Инструмент |       | $l_{14}$<br>mm | $D_{cmin}$<br>mm | $f$<br>mm | $d_6$<br>mm | $h_1$<br>mm | $l_1$<br>mm | $l_{13}$<br>mm | $t$<br>mm | Тип             |
|------------|-------|----------------|------------------|-----------|-------------|-------------|-------------|----------------|-----------|-----------------|
| <p>A-B</p> | FR698 | 4,8            | 20               | 9,7       | 3,4         | 6           | 25          | 10,5           | 2,3       | P284 . S-1N- .. |
| <p>A-B</p> | FR697 | 5,5            | 20               | 9,7       | 3,4         | 6           | 25          | 10,5           | 2,3       | P284 . S-1N- .. |

Корпус и сборочные детали входят в комплект поставки

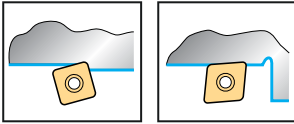
| Сборочные детали |                                 | Тип<br>$h_1$ [mm] | P284 . S-1N- ..<br>6 |
|------------------|---------------------------------|-------------------|----------------------|
|                  | Винт пластины<br>Момент затяжки |                   | FS924 (T8)<br>0,8 Nm |
|                  | Винт регулировочный радиальный  |                   | FS493 (SW 1,5)       |
|                  | Винт регулировочный торцевой    |                   | FS1023               |
|                  | Винт                            |                   | FS1024 (SW 2)        |
| Комплектующие    |                                 | Тип<br>$h_1$ [mm] | P284 . S-1N- ..<br>6 |
|                  | Отвёртка                        |                   | FS230 (T8)           |

**WALTER  
SELECT**

●● Основная область применения   
 ● Возможная область применения  
 Оптимально подходит для → хороших = 😊 → нормальных = 😐 → неблагоприятных = ☹️ условий обработки



# чистовые резцовые вставки, резцовые вставки с точной настройкой FR/FL 710 / FR/FL 717



| Инструмент |       | $D_{cmin}$<br>mm | f<br>mm | $d_g$<br>mm | $h_1$<br>mm | $l_1$<br>mm | $l_{13}$<br>mm | t<br>mm | Тип           |
|------------|-------|------------------|---------|-------------|-------------|-------------|----------------|---------|---------------|
|            | FL710 | 28               | 16      | 4,5         | 8,5         | 49,5        | 9,3            | 1       | CC .. 0602 .. |
|            | FR710 | 28               | 16      | 4,5         | 8,5         | 49,5        | 9,3            | 1       |               |
|            | FL717 | 28               | 16      | 4,5         | 8,5         | 49,5        | 9,3            | 1       | CC .. 0602 .. |
|            | FR717 | 28               | 16      | 4,5         | 8,5         | 49,5        | 9,3            | 1       |               |

Корпус и сборочные детали входят в комплект поставки

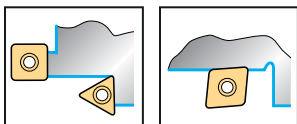
| Сборочные детали |                                 | Тип<br>$h_1$ [mm] | CC .. 0602 ..<br>8,5  |
|------------------|---------------------------------|-------------------|-----------------------|
|                  | Винт пластины<br>Момент затяжки |                   | FS1129 (T8)<br>0,8 Nm |
|                  | Винт регулировочный торцевой    |                   | FS1355 (SW 3)         |
|                  | Винт регулировочный радиальный  |                   | FS1356 (T8)           |
|                  | Винт                            |                   | FS1354 (SW 4)         |
|                  | Упор                            |                   | FK369                 |
| Комплектующие    |                                 | Тип<br>$h_1$ [mm] | CC .. 0602 ..<br>8,5  |
|                  | Отвёртка                        |                   | FS230 (T8)            |

**WALTER SELECT**      ●● Основная область применения    ● Возможная область применения

Оптимально подходит для → хороших = ☺    → нормальных = 😐    → неблагоприятных = ☹️ условий обработки

# чистовые резцовые вставки, резцовые вставки с точной настройкой

## FR761 / FR763



B2

| Инструмент | Обозначение | $D_{cmin}$<br>mm | f<br>mm | $d_8$<br>mm | $h_1$<br>mm | $l_1$<br>mm | $l_{13}$<br>mm | t<br>mm | Тип           |
|------------|-------------|------------------|---------|-------------|-------------|-------------|----------------|---------|---------------|
|            | FR761       | 28               | 16      | 5,5         | 8,5         | 49,5        | 13,5           | 1       | CC .. 0602 .. |
|            | FR763       | 28               | 16      | 5,5         | 8,5         | 49,5        | 13,5           | 1       | CC .. 0602 .. |

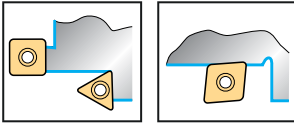
Корпус и сборочные детали входят в комплект поставки

| Сборочные детали | Тип<br>$h_1$ [mm]               | CC .. 0602 ..<br>8,5  |
|------------------|---------------------------------|-----------------------|
|                  | Винт пластины<br>Момент затяжки | FS1129 (T8)<br>0,8 Nm |
|                  | Винт регулировочный радиальный  | FS2565 (T8)           |
|                  | Винт регулировочный торцевой    | FS1355 (SW 3)         |
|                  | Винт                            | FS1354 (SW 4)         |
|                  | Упор                            | FK369                 |
| Комплектующие    | Тип<br>$h_1$ [mm]               | CC .. 0602 ..<br>8,5  |
|                  | Отвёртка                        | FS230 (T8)            |

**WALTER  
SELECT**

●● Основная область применения   
 ● Возможная область применения  
 Оптимально подходит для → хороших = 😊 → нормальных = 😐 → неблагоприятных = ☹️ условий обработки

# чистовые резцовые вставки, резцовые вставки с точной настройкой FR/FL 709 / FR/FL 711



| Инструмент |       | $D_{cmin}$<br>mm | f<br>mm | $d_g$<br>mm | $h_1$<br>mm | $l_1$<br>mm | $l_{13}$<br>mm | t<br>mm | Тип           |
|------------|-------|------------------|---------|-------------|-------------|-------------|----------------|---------|---------------|
|            | FL709 | 36               | 20      | 4,5         | 8,5         | 49,5        | 9,3            | 1       | TC .. 1102 .. |
|            | FR709 | 36               | 20      | 4,5         | 8,5         | 49,5        | 9,3            | 1       |               |
|            | FL711 | 28               | 16      | 4,5         | 8,5         | 49,5        | 9,3            | 1       | WC .. 0402 .. |
|            | FR711 | 28               | 16      | 4,5         | 8,5         | 49,5        | 9,3            | 1       |               |

Корпус и сборочные детали входят в комплект поставки

| Сборочные детали | Тип<br>$h_1$ [mm]               | TC .. 1102 ..-WC .. 0402 ..<br>8,5 |
|------------------|---------------------------------|------------------------------------|
|                  | Винт пластины<br>Момент затяжки | FS1129 (T8)<br>0,8 Nm              |
|                  | Винт регулировочный торцевой    | FS1355 (SW 3)                      |
|                  | Винт регулировочный радиальный  | FS1356 (T8)                        |
|                  | Винт                            | FS1354 (SW 4)                      |
|                  | Упор                            | FK369                              |

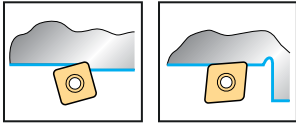
| Комплектующие | Тип<br>$h_1$ [mm] | TC .. 1102 ..-WC .. 0402 ..<br>8,5 |
|---------------|-------------------|------------------------------------|
|               | Отвёртка          | FS230 (T8)                         |

**WALTER SELECT**      ●● Основная область применения    ● Возможная область применения

Оптимально подходит для → хороших = ☺    → нормальных = 😐    → неблагоприятных = ☹️ условий обработки

B 2

# чистовые резцовые вставки, резцовые вставки с точной настройкой FR760



B2

## Инструмент

|            | Обозначение | $D_{cmin}$<br>mm | f<br>mm | $d_8$<br>mm | $h_1$<br>mm | $l_1$<br>mm | $l_{13}$<br>mm | t<br>mm | Тип           |
|------------|-------------|------------------|---------|-------------|-------------|-------------|----------------|---------|---------------|
| <p>A-B</p> | FR760       | 28               | 20      | 5,5         | 8,5         | 49,5        | 13,5           | 1       | ТС .. 1102 .. |

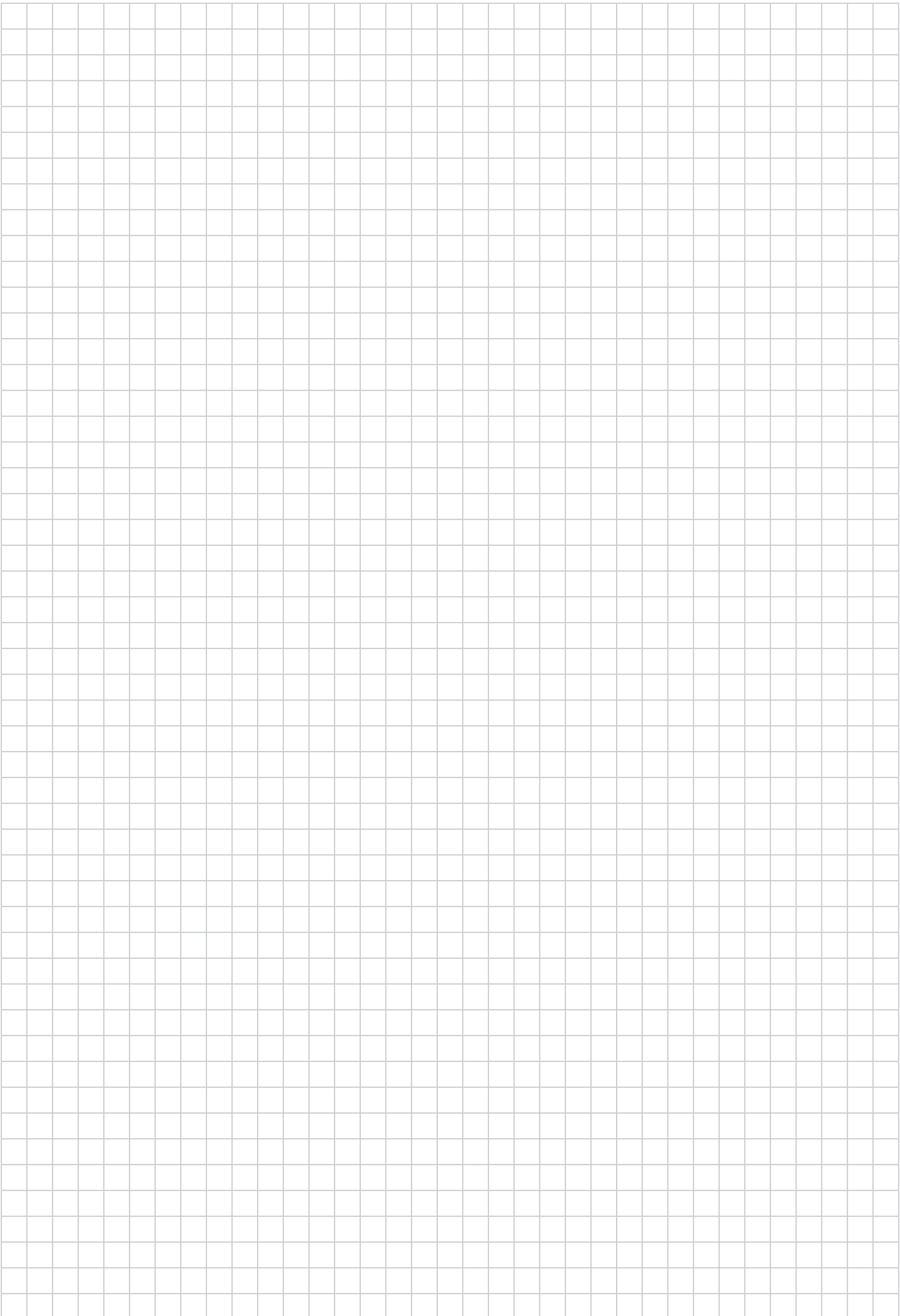
Корпус и сборочные детали входят в комплект поставки

## Сборочные детали

|  | Тип<br>$h_1$ [mm]               | ТС .. 1102 ..<br>8,5  |
|--|---------------------------------|-----------------------|
|  | Винт пластины<br>Момент затяжки | FS1129 (T8)<br>0,8 Nm |
|  | Винт регулировочный радиальный  | FS2565 (T8)           |
|  | Винт регулировочный торцевой    | FS1355 (SW 3)         |
|  | Винт                            | FS1354 (SW 4)         |
|  | Упор                            | FK369                 |

## Комплектующие

|  | Тип<br>$h_1$ [mm] | ТС .. 1102 ..<br>8,5 |
|--|-------------------|----------------------|
|  | Отвёртка          | FS230 (T8)           |



B2

## Зенкер из быстрорежущей стали

B2



Глубина сверления



|             |          |          |       |       |       |
|-------------|----------|----------|-------|-------|-------|
| Обозначение | E6819TIN | Z3711TIN | E6819 | E7819 | E6818 |
|-------------|----------|----------|-------|-------|-------|

### Другие услуги

|                                      |                              |          |                              |                          |                              |
|--------------------------------------|------------------------------|----------|------------------------------|--------------------------|------------------------------|
| Стандарт                             | DIN 335                      | DIN 335  | DIN 335                      | DIN 335                  | DIN 334                      |
| Покрытие/сплав                       | TIN                          |          | без покрытия                 | без покрытия             | без покрытия                 |
| Хвостовик                            | с цилиндрическим хвостовиком |          | с цилиндрическим хвостовиком | с коническим хвостовиком | с цилиндрическим хвостовиком |
| Диапазон Ø [мм]                      | 1,5–4,2                      | –        | 1,3–4,2                      | 3,2–22                   | 1,6–6,3                      |
| <b>P</b> Сталь                       | ●●                           |          | ●●                           | ●●                       | ●●                           |
| <b>M</b> Нержавеющая сталь           | ●●                           |          | ●●                           | ●●                       | ●●                           |
| <b>K</b> Чугун                       | ●●                           |          | ●●                           | ●●                       | ●●                           |
| <b>N</b> Цветные металлы             | ●●                           |          | ●●                           | ●●                       | ●●                           |
| <b>S</b> Жаропрочные сплавы          | ●                            |          | ●                            | ●                        | ●                            |
| <b>H</b> Материалы высокой твёрдости |                              |          |                              |                          |                              |
| <b>O</b> Прочее                      | ●●                           |          | ●●                           | ●●                       | ●●                           |
| Страница в каталоге                  | B 608                        | B 609    | B 608                        | B 610                    | B 611                        |
| QR-код                               |                              |          |                              |                          |                              |
| www.walter-tools.com/woc/            | E6819TIN                     | Z3711TIN | E6819                        | E7819                    | E6818                        |

## Зенкер из быстрорежущей стали



Глубина сверления

Обозначение

E7818

Другие услуги

Стандарт

DIN 334

Покрытие/сплав

без покрытия

Хвостовик

с коническим хвостовиком

Диапазон Ø [mm]

4–25

**P** Сталь

●●

**M** Нержавеющая сталь

●●

**K** Чугун

●●

**N** Цветные металлы

●●

**S** Жаропрочные сплавы

●

**H** Материалы высокой твёрдости

**O** Прочее

●●

Страница в каталоге

B 613

QR-код



[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

E7818

WALTER SELECT

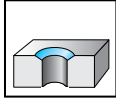
●● Основная область применения ● Возможная область применения

# Конические зенковки быстрорежущие 90°

## E6819TIN / E6819



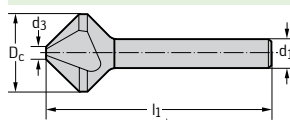
– E6819TIN предлагается в виде комплекта



|              | P  | M  | K  | N  | S | H | O  |
|--------------|----|----|----|----|---|---|----|
| TIN          | ●● | ●● | ●● | ●● | ● |   | ●● |
| без покрытия | ●● | ●● | ●● | ●● | ● |   | ●● |

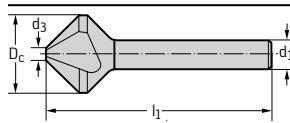
B2

### Инструмент



Cylindrical shank

| Обозначение   | D <sub>c</sub><br>mm | d <sub>3</sub><br>mm | l <sub>1</sub><br>mm | d <sub>1</sub><br>mm |
|---------------|----------------------|----------------------|----------------------|----------------------|
| E6819TIN-6    | 6                    | 1,5                  | 45                   | 5                    |
| E6819TIN-6.3  | 6,3                  | 1,5                  | 45                   | 5                    |
| E6819TIN-7    | 7                    | 1,8                  | 50                   | 6                    |
| E6819TIN-8    | 8                    | 2                    | 50                   | 6                    |
| E6819TIN-8.3  | 8,3                  | 2                    | 50                   | 6                    |
| E6819TIN-10   | 10                   | 2,5                  | 50                   | 6                    |
| E6819TIN-10.4 | 10,4                 | 2,5                  | 50                   | 6                    |
| E6819TIN-11.5 | 11,5                 | 2,8                  | 56                   | 8                    |
| E6819TIN-12.4 | 12,4                 | 2,8                  | 56                   | 8                    |
| E6819TIN-15   | 15                   | 3,2                  | 60                   | 10                   |
| E6819TIN-16.5 | 16,5                 | 3,2                  | 60                   | 10                   |
| E6819TIN-19   | 19                   | 3,5                  | 63                   | 10                   |
| E6819TIN-20.5 | 20,5                 | 3,5                  | 63                   | 10                   |
| E6819TIN-23   | 23                   | 3,8                  | 67                   | 10                   |
| E6819TIN-25   | 25                   | 3,8                  | 67                   | 10                   |
| E6819TIN-31   | 31                   | 4,2                  | 71                   | 12                   |
| E6819-4.3     | 4,3                  | 1,3                  | 40                   | 4                    |
| E6819-5       | 5                    | 1,5                  | 40                   | 4                    |
| E6819-5.3     | 5,3                  | 1,5                  | 40                   | 4                    |
| E6819-5.8     | 5,8                  | 1,5                  | 45                   | 5                    |
| E6819-6       | 6                    | 1,5                  | 45                   | 5                    |
| E6819-6.3     | 6,3                  | 1,5                  | 45                   | 5                    |
| E6819-7       | 7                    | 1,8                  | 50                   | 6                    |
| E6819-7.3     | 7,3                  | 1,8                  | 50                   | 6                    |
| E6819-8       | 8                    | 2                    | 50                   | 6                    |
| E6819-8.3     | 8,3                  | 2                    | 50                   | 6                    |
| E6819-9.4     | 9,4                  | 2,2                  | 50                   | 6                    |
| E6819-10      | 10                   | 2,5                  | 50                   | 6                    |
| E6819-10.4    | 10,4                 | 2,5                  | 50                   | 6                    |
| E6819-11.5    | 11,5                 | 2,8                  | 56                   | 8                    |
| E6819-12.4    | 12,4                 | 2,8                  | 56                   | 8                    |
| E6819-13.4    | 13,4                 | 2,9                  | 56                   | 8                    |
| E6819-15      | 15                   | 3,2                  | 60                   | 10                   |
| E6819-16.5    | 16,5                 | 3,2                  | 60                   | 10                   |
| E6819-19      | 19                   | 3,5                  | 63                   | 10                   |
| E6819-20.5    | 20,5                 | 3,5                  | 63                   | 10                   |
| E6819-23      | 23                   | 3,8                  | 67                   | 10                   |
| E6819-25      | 25                   | 3,8                  | 67                   | 10                   |
| E6819-30      | 30                   | 4,2                  | 71                   | 12                   |
| E6819-31      | 31                   | 4,2                  | 71                   | 12                   |



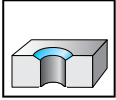
Cylindrical shank

**WALTER  
SELECT**

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = 😊 → нормальных = 😐 → неблагоприятных = ☹️ условий обработки



# Набор зенковок конических быстрорежущих 90°-E6819TIN Z3711TIN

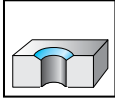


| Инструмент |                   |                         |                         |                 |     |
|------------|-------------------|-------------------------|-------------------------|-----------------|-----|
|            | Обозначение       | D <sub>сmin</sub><br>mm | D <sub>сmax</sub><br>mm | Кол-во в наборе | TIN |
|            | Z3711TIN-6.3-20.5 | 1,5                     | 20,5                    | 6               |     |
|            |                   |                         |                         |                 |     |

B2

# Конические зенковки быстрорежущие 90°

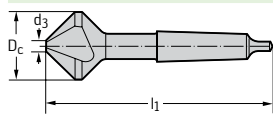
## E7819



|              |    |    |    |    |   |   |    |
|--------------|----|----|----|----|---|---|----|
|              | P  | M  | K  | N  | S | H | O  |
| без покрытия | ●● | ●● | ●● | ●● | ● |   | ●● |

B2

### Инструмент



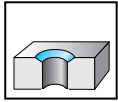
Morse taper

| Обозначение | D <sub>c</sub><br>mm | d <sub>3</sub><br>mm | l <sub>1</sub><br>mm |
|-------------|----------------------|----------------------|----------------------|
| E7819-15    | 15                   | 3,2                  | 85                   |
| E7819-16.5  | 16,5                 | 3,2                  | 85                   |
| E7819-19    | 19                   | 3,5                  | 100                  |
| E7819-20.5  | 20,5                 | 3,5                  | 100                  |
| E7819-23    | 23                   | 3,8                  | 106                  |
| E7819-25    | 25                   | 3,8                  | 106                  |
| E7819-26    | 26                   | 3,8                  | 106                  |
| E7819-28    | 28                   | 4                    | 112                  |
| E7819-30    | 30                   | 4,2                  | 112                  |
| E7819-31    | 31                   | 4,2                  | 112                  |
| E7819-34    | 34                   | 4,5                  | 118                  |
| E7819-37    | 37                   | 4,8                  | 118                  |
| E7819-40    | 40                   | 10                   | 140                  |
| E7819-50    | 50                   | 14                   | 150                  |
| E7819-63    | 63                   | 16                   | 180                  |
| E7819-80    | 80                   | 22                   | 190                  |

**WALTER  
SELECT**

●● Основная область применения    ● Возможная область применения  
 Оптимально подходит для → хороших = 😊 → нормальных = 😐 → неблагоприятных = ☹️ условий обработки

# Конические зенковки быстрорежущие 60° E6818



|              |    |    |    |    |   |   |    |
|--------------|----|----|----|----|---|---|----|
|              | P  | M  | K  | N  | S | H | O  |
| без покрытия | ●● | ●● | ●● | ●● | ● |   | ●● |

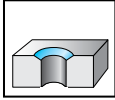
| Инструмент               |             | D <sub>c</sub><br>mm | d <sub>3</sub><br>mm | l <sub>1</sub><br>mm | d <sub>1</sub><br>mm |
|--------------------------|-------------|----------------------|----------------------|----------------------|----------------------|
| <p>Cylindrical shank</p> | Обозначение |                      |                      |                      |                      |
|                          | E6818-6.3   | 6,3                  | 1,6                  | 45                   | 5                    |
|                          | E6818-8     | 8                    | 2                    | 50                   | 6                    |
|                          | E6818-12.5  | 12,5                 | 3,2                  | 56                   | 8                    |
|                          | E6818-16    | 16                   | 4                    | 63                   | 10                   |
|                          | E6818-20    | 20                   | 5                    | 67                   | 10                   |
|                          | E6818-25    | 25                   | 6,3                  | 71                   | 10                   |

B2

●● Основная область применения    ● Возможная область применения  
 Оптимально подходит для → хороших = 😊 → нормальных = 😐 → неблагоприятных = ☹️ условий обработки

# Конические зенковки быстрорежущие 60°

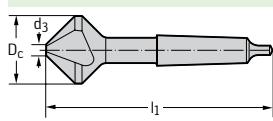
## E7818



|              |    |    |    |    |   |   |    |
|--------------|----|----|----|----|---|---|----|
|              | P  | M  | K  | N  | S | H | O  |
| без покрытия | ●● | ●● | ●● | ●● | ● |   | ●● |

B2

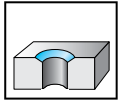
### Инструмент



Morse taper

| Обозначение | D <sub>c</sub><br>mm | d <sub>3</sub><br>mm | l <sub>1</sub><br>mm | d <sub>1</sub><br>mm |
|-------------|----------------------|----------------------|----------------------|----------------------|
| E7818-16    | 16                   | 4                    | 90                   |                      |
| E7818-20    | 20                   | 5                    | 106                  |                      |
| E7818-25    | 25                   | 6,3                  | 112                  |                      |
| E7818-31.5  | 31,5                 | 10                   | 118                  |                      |
| E7818-40    | 40                   | 12,5                 | 150                  |                      |
| E7818-50    | 50                   | 16                   | 160                  |                      |
| E7818-63    | 63                   | 20                   | 190                  |                      |
| E7818-80    | 80                   | 25                   | 200                  |                      |

# Конические зенковки быстрорежущие 60° E7818



|              |    |    |    |    |   |   |    |
|--------------|----|----|----|----|---|---|----|
|              | P  | M  | K  | N  | S | H | O  |
| без покрытия | ●● | ●● | ●● | ●● | ● |   | ●● |

| Инструмент      |             | D <sub>c</sub><br>mm | d <sub>3</sub><br>mm | l <sub>1</sub><br>mm | d <sub>1</sub><br>mm |
|-----------------|-------------|----------------------|----------------------|----------------------|----------------------|
| <br>Morse taper | Обозначение |                      |                      |                      |                      |
|                 | E7818-16    | 16                   | 4                    | 90                   |                      |
|                 | E7818-20    | 20                   | 5                    | 106                  |                      |
|                 | E7818-25    | 25                   | 6,3                  | 112                  |                      |
|                 | E7818-31.5  | 31,5                 | 10                   | 118                  |                      |
|                 | E7818-40    | 40                   | 12,5                 | 150                  |                      |
|                 | E7818-50    | 50                   | 16                   | 160                  |                      |
|                 | E7818-63    | 63                   | 20                   | 190                  |                      |
| E7818-80        | 80          | 25                   | 200                  |                      |                      |

B2

●● Основная область применения   ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = 😐 → неблагоприятных = ☹ условий обработки

## Развёртки твердосплавные/быстрорежущие

|          |        |        |        |        |        |
|----------|--------|--------|--------|--------|--------|
|          |        |        |        |        |        |
| Стандарт | Walter | Walter | Walter | Walter | Walter |



|  |                |                |                |                |                |
|--|----------------|----------------|----------------|----------------|----------------|
| Обозначение  | F2481TMS       | F2481          | F2482TMS       | F2482          | F2171          |
| Сплав  | ТВЕРДЫЙ КАРБИД | ТВЕРДЫЙ КАРБИД | ТВЕРДЫЙ КАРБИД | ТВЕРДЫЙ КАРБИД | ТВЕРДЫЙ КАРБИД |
| Покрытие/сплав   | TMS            | без покрытия   | TMS            | без покрытия   | без покрытия   |
| Угол подъёма винтовой канавки  | Left-hand      | Left-hand      | прямой         | прямой         | Left-hand      |
| Хвостовик  | DIN 6535 HA    | DIN 6535 HA    | DIN 6535 HA    | DIN 6535 HA    | DIN 6535 HA    |
| Диапазон Ø [mm]  | 3,97–20        | 3,97–20        | 3,97–20        | 3,97–20        | 2–20           |
| <b>P</b> Сталь   | ●●             | ●              | ●●             | ●              | ●●             |
| <b>M</b> Нержавеющая сталь   |                |                |                |                | ●●             |
| <b>K</b> Чугун   | ●●             | ●              | ●●             | ●              | ●●             |
| <b>N</b> Цветные металлы   |                | ●●             |                | ●●             | ●●             |
| <b>S</b> Жаропрочные сплавы  |                |                |                |                | ●●             |
| <b>H</b> Материалы высокой твёрдости                                     |                |                |                |                | ●              |
| <b>O</b> Прочее  |                | ●●             |                | ●●             | ●●             |
| Страница в каталоге  | B 620          | B 620          | B 617          | B 617          | B 623          |
| QR-код   |                |                |                |                |                |
| <a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a> | F2481TMS       | F2481          | F2482TMS       | F2482          | F2171          |

## Развёртки твердосплавные/быстрорежущие

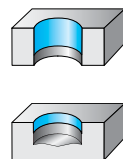
|          |        |         |         |         |          |
|----------|--------|---------|---------|---------|----------|
|          |        |         |         |         |          |
| Стандарт | Walter | DIN 212 | DIN 212 | DIN 212 | DIN 2179 |



|  |                |                              |                              |                              |                              |
|--|----------------|------------------------------|------------------------------|------------------------------|------------------------------|
| Обозначение  | F2162          | F1342                        | F1352                        | F1352HUN                     | F3234                        |
| Сплав  | ТВЕРДЫЙ КАРБИД | HSS                          | HSS                          | HSS                          | HSS                          |
| Покрытие/сплав   | без покрытия   | без покрытия                 | без покрытия                 | без покрытия                 | без покрытия                 |
| Угол подъёма винтовой канавки  | прямой         | прямой                       | Left-hand                    | Left-hand                    | Left-hand                    |
| Хвостовик  | DIN 6535 HA    | с цилиндрическим хвостовиком | с цилиндрическим хвостовиком | с цилиндрическим хвостовиком | с цилиндрическим хвостовиком |
| Диапазон Ø [mm]  | 4–20           | 1–20                         | 0,9–20                       | 0,95–12                      | 1–12                         |
| <b>P</b> Сталь   | ●●             | ●●                           | ●●                           | ●●                           | ●●                           |
| <b>M</b> Нержавеющая сталь   | ●●             | ●●                           | ●●                           | ●●                           | ●●                           |
| <b>K</b> Чугун   | ●●             | ●●                           | ●●                           | ●●                           | ●●                           |
| <b>N</b> Цветные металлы   | ●●             | ●●                           | ●●                           | ●●                           | ●●                           |
| <b>S</b> Жаропрочные сплавы  | ●●             | ●●                           | ●●                           | ●●                           | ●●                           |
| <b>H</b> Материалы высокой твёрдости                                     | ●              |                              |                              |                              |                              |
| <b>O</b> Прочее  | ●●             | ●●                           | ●●                           | ●●                           | ●●                           |
| Страница в каталоге  | B 624          | B 651                        | B 625                        | B 625                        | B 654                        |
| QR-код   |                |                              |                              |                              |                              |
| <a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a> | F2162          | F1342                        | F1352                        | F1352HUN                     | F3234                        |

B 3

## Развёртки твердосплавные/быстрорежущие



Стандарт

DIN 206

DIN 859

В3



|                                      |                              |                              |
|--------------------------------------|------------------------------|------------------------------|
| Обозначение                          | F1131                        | F1231                        |
| Сплав                                | HSS                          | HSS                          |
| Покрытие/сплав                       | без покрытия                 | без покрытия                 |
| Угол подъёма винтовой канавки        | Left-hand                    | Left-hand                    |
| Хвостовик                            | с цилиндрическим хвостовиком | с цилиндрическим хвостовиком |
| Диапазон Ø [mm]                      | 1–32                         | 8–30                         |
| <b>P</b> Сталь                       | ●●                           | ●●                           |
| <b>M</b> Нержавеющая сталь           |                              |                              |
| <b>K</b> Чугун                       | ●●                           | ●●                           |
| <b>N</b> Цветные металлы             | ●●                           | ●●                           |
| <b>S</b> Жаропрочные сплавы          |                              |                              |
| <b>H</b> Материалы высокой твёрдости |                              |                              |
| <b>O</b> Прочее                      | ●●                           | ●●                           |
| Страница в каталоге                  | B 656                        | B 655                        |

QR-код

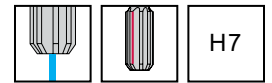

[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

F1131

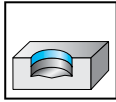
F1231



# Твердосплавные развёртки F2482TMS / F2482



– Допуск на режущий диаметр: +0,004 мм



|              |    |   |    |    |   |   |    |
|--------------|----|---|----|----|---|---|----|
|              | P  | M | K  | N  | S | H | O  |
| TMS          | ●● |   | ●● | ●● |   |   | ●● |
| без покрытия | ●  |   | ●  | ●● |   |   | ●● |

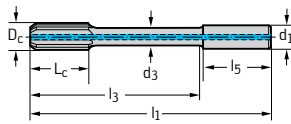
| Инструмент         |               | D <sub>c</sub><br>мм | L <sub>c</sub><br>мм | l <sub>1</sub><br>мм | l <sub>3</sub><br>мм | l <sub>5</sub><br>мм | d <sub>1</sub><br>h6<br>мм | d <sub>3</sub><br>мм | Z<br>EA |
|--------------------|---------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|----------------------|---------|
| <p>DIN 6535 HA</p> | Обозначение   |                      |                      |                      |                      |                      |                            |                      |         |
|                    | F2482TMS-3.97 | 3,97                 | 12                   | 75                   | 34                   | 36                   | 6                          | 3,5                  | 4       |
|                    | F2482TMS-3.98 | 3,98                 | 12                   | 75                   | 34                   | 36                   | 6                          | 3,5                  | 4       |
|                    | F2482TMS-3.99 | 3,99                 | 12                   | 75                   | 34                   | 36                   | 6                          | 3,5                  | 4       |
|                    | F2482TMS-4    | 4                    | 12                   | 75                   | 34                   | 36                   | 6                          | 3,5                  | 4       |
|                    | F2482TMS-4.01 | 4,01                 | 12                   | 75                   | 34                   | 36                   | 6                          | 3,5                  | 4       |
|                    | F2482TMS-4.02 | 4,02                 | 12                   | 75                   | 34                   | 36                   | 6                          | 3,5                  | 4       |
|                    | F2482TMS-4.03 | 4,03                 | 12                   | 75                   | 34                   | 36                   | 6                          | 3,5                  | 4       |
|                    | F2482TMS-4.5  | 4,5                  | 12                   | 75                   | 34                   | 36                   | 6                          | 4                    | 4       |
|                    | F2482TMS-4.97 | 4,97                 | 12                   | 75                   | 35                   | 36                   | 6                          | 4,4                  | 4       |
|                    | F2482TMS-4.98 | 4,98                 | 12                   | 75                   | 35                   | 36                   | 6                          | 4,4                  | 4       |
|                    | F2482TMS-4.99 | 4,99                 | 12                   | 75                   | 35                   | 36                   | 6                          | 4,4                  | 4       |
|                    | F2482TMS-5    | 5                    | 12                   | 75                   | 35                   | 36                   | 6                          | 4,4                  | 4       |
|                    | F2482TMS-5.01 | 5,01                 | 12                   | 75                   | 35                   | 36                   | 6                          | 4,4                  | 4       |
|                    | F2482TMS-5.02 | 5,02                 | 12                   | 75                   | 35                   | 36                   | 6                          | 4,4                  | 4       |
|                    | F2482TMS-5.03 | 5,03                 | 12                   | 75                   | 35                   | 36                   | 6                          | 4,4                  | 4       |
|                    | F2482TMS-5.5  | 5,5                  | 12                   | 75                   | 35                   | 36                   | 6                          | 4,9                  | 4       |
|                    | F2482TMS-5.97 | 5,97                 | 12                   | 75                   | 35                   | 36                   | 6                          | 5,3                  | 4       |
|                    | F2482TMS-5.98 | 5,98                 | 12                   | 75                   | 35                   | 36                   | 6                          | 5,3                  | 4       |
|                    | F2482TMS-5.99 | 5,99                 | 12                   | 75                   | 35                   | 36                   | 6                          | 5,3                  | 4       |
|                    | F2482TMS-6    | 6                    | 12                   | 75                   | 35                   | 36                   | 6                          | 5,3                  | 4       |
|                    | F2482TMS-6.01 | 6,01                 | 12                   | 75                   | 35                   | 36                   | 6                          | 5,3                  | 4       |
|                    | F2482TMS-6.02 | 6,02                 | 12                   | 75                   | 35                   | 36                   | 6                          | 5,3                  | 4       |
|                    | F2482TMS-6.03 | 6,03                 | 12                   | 75                   | 35                   | 36                   | 6                          | 5,3                  | 4       |
|                    | F2482TMS-6.5  | 6,5                  | 16                   | 100                  | 59                   | 36                   | 8                          | 5,7                  | 6       |
|                    | F2482TMS-7    | 7                    | 16                   | 100                  | 59                   | 36                   | 8                          | 6,2                  | 6       |
|                    | F2482TMS-7.5  | 7,5                  | 16                   | 100                  | 60                   | 36                   | 8                          | 6,7                  | 6       |
| F2482TMS-7.97      | 7,97          | 16                   | 100                  | 60                   | 36                   | 8                    | 7,2                        | 6                    |         |
| F2482TMS-7.98      | 7,98          | 16                   | 100                  | 60                   | 36                   | 8                    | 7,2                        | 6                    |         |
| F2482TMS-7.99      | 7,99          | 16                   | 100                  | 60                   | 36                   | 8                    | 7,2                        | 6                    |         |
| F2482TMS-8         | 8             | 16                   | 100                  | 60                   | 36                   | 8                    | 7,2                        | 6                    |         |
| F2482TMS-8.01      | 8,01          | 16                   | 100                  | 60                   | 36                   | 8                    | 7,2                        | 6                    |         |
| F2482TMS-8.02      | 8,02          | 16                   | 100                  | 60                   | 36                   | 8                    | 7,2                        | 6                    |         |
| F2482TMS-8.03      | 8,03          | 16                   | 100                  | 60                   | 36                   | 8                    | 7,2                        | 6                    |         |
| F2482TMS-8.5       | 8,5           | 20                   | 100                  | 55                   | 40                   | 10                   | 7,7                        | 6                    |         |
| F2482TMS-9         | 9             | 20                   | 100                  | 55                   | 40                   | 10                   | 8,2                        | 6                    |         |
| F2482TMS-9.5       | 9,5           | 20                   | 120                  | 76                   | 40                   | 10                   | 8,7                        | 6                    |         |

Пример заказа инструмента из сплава TMS: F2482TMS-10

**WALTER SELECT**      ●● Основная область применения      ● Возможная область применения

Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки

B 3

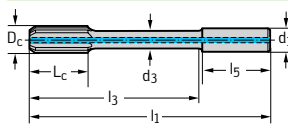
**Инструмент**


DIN 6535 HA

| Обозначение    | D <sub>c</sub><br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>3</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | d <sub>3</sub><br>mm | Z<br>EA |
|----------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|----------------------|---------|
| F2482TMS-9.97  | 9,97                 | 20                   | 120                  | 76                   | 40                   | 10                         | 9                    | 6       |
| F2482TMS-9.98  | 9,98                 | 20                   | 120                  | 76                   | 40                   | 10                         | 9                    | 6       |
| F2482TMS-9.99  | 9,99                 | 20                   | 120                  | 76                   | 40                   | 10                         | 9                    | 6       |
| F2482TMS-10    | 10                   | 20                   | 120                  | 76                   | 40                   | 10                         | 9                    | 6       |
| F2482TMS-10.01 | 10,01                | 20                   | 120                  | 76                   | 40                   | 10                         | 9                    | 6       |
| F2482TMS-10.02 | 10,02                | 20                   | 120                  | 76                   | 40                   | 10                         | 9                    | 6       |
| F2482TMS-10.03 | 10,03                | 20                   | 120                  | 76                   | 40                   | 10                         | 9                    | 6       |
| F2482TMS-10.5  | 10,5                 | 20                   | 120                  | 70                   | 45                   | 12                         | 9,5                  | 6       |
| F2482TMS-11    | 11                   | 20                   | 120                  | 70                   | 45                   | 12                         | 10                   | 6       |
| F2482TMS-11.5  | 11,5                 | 20                   | 120                  | 71                   | 45                   | 12                         | 10,5                 | 6       |
| F2482TMS-11.97 | 11,97                | 20                   | 120                  | 71                   | 45                   | 12                         | 11                   | 6       |
| F2482TMS-11.98 | 11,98                | 20                   | 120                  | 71                   | 45                   | 12                         | 11                   | 6       |
| F2482TMS-11.99 | 11,99                | 20                   | 120                  | 71                   | 45                   | 12                         | 11                   | 6       |
| F2482TMS-12    | 12                   | 20                   | 120                  | 71                   | 45                   | 12                         | 11                   | 6       |
| F2482TMS-12.01 | 12,01                | 20                   | 120                  | 71                   | 45                   | 12                         | 11                   | 6       |
| F2482TMS-12.02 | 12,02                | 20                   | 120                  | 71                   | 45                   | 12                         | 11                   | 6       |
| F2482TMS-12.03 | 12,03                | 20                   | 120                  | 71                   | 45                   | 12                         | 11                   | 6       |
| F2482TMS-13    | 13                   | 22                   | 130                  | 80                   | 45                   | 14                         | 11,5                 | 6       |
| F2482TMS-14    | 14                   | 22                   | 130                  | 80                   | 45                   | 14                         | 12,5                 | 6       |
| F2482TMS-15    | 15                   | 22                   | 130                  | 77                   | 48                   | 16                         | 13,5                 | 6       |
| F2482TMS-16    | 16                   | 25                   | 150                  | 97                   | 48                   | 16                         | 14,2                 | 6       |
| F2482TMS-17    | 17                   | 25                   | 150                  | 97                   | 48                   | 18                         | 15,2                 | 6       |
| F2482TMS-18    | 18                   | 25                   | 150                  | 97                   | 48                   | 18                         | 16,2                 | 6       |
| F2482TMS-19    | 19                   | 25                   | 150                  | 95                   | 50                   | 20                         | 17,2                 | 6       |
| F2482TMS-20    | 20                   | 25                   | 150                  | 95                   | 50                   | 20                         | 18,2                 | 6       |
| F2482-3.97     | 3,97                 | 12                   | 75                   | 34                   | 36                   | 6                          | 3,5                  | 4       |
| F2482-3.98     | 3,98                 | 12                   | 75                   | 34                   | 36                   | 6                          | 3,5                  | 4       |
| F2482-3.99     | 3,99                 | 12                   | 75                   | 34                   | 36                   | 6                          | 3,5                  | 4       |
| F2482-4        | 4                    | 12                   | 75                   | 34                   | 36                   | 6                          | 3,5                  | 4       |
| F2482-4.01     | 4,01                 | 12                   | 75                   | 34                   | 36                   | 6                          | 3,5                  | 4       |
| F2482-4.02     | 4,02                 | 12                   | 75                   | 34                   | 36                   | 6                          | 3,5                  | 4       |
| F2482-4.03     | 4,03                 | 12                   | 75                   | 34                   | 36                   | 6                          | 3,5                  | 4       |
| F2482-4.5      | 4,5                  | 12                   | 75                   | 34                   | 36                   | 6                          | 4                    | 4       |
| F2482-4.97     | 4,97                 | 12                   | 75                   | 35                   | 36                   | 6                          | 4,4                  | 4       |
| F2482-4.98     | 4,98                 | 12                   | 75                   | 35                   | 36                   | 6                          | 4,4                  | 4       |
| F2482-4.99     | 4,99                 | 12                   | 75                   | 35                   | 36                   | 6                          | 4,4                  | 4       |
| F2482-5        | 5                    | 12                   | 75                   | 35                   | 36                   | 6                          | 4,4                  | 4       |
| F2482-5.01     | 5,01                 | 12                   | 75                   | 35                   | 36                   | 6                          | 4,4                  | 4       |
| F2482-5.02     | 5,02                 | 12                   | 75                   | 35                   | 36                   | 6                          | 4,4                  | 4       |
| F2482-5.03     | 5,03                 | 12                   | 75                   | 35                   | 36                   | 6                          | 4,4                  | 4       |
| F2482-5.5      | 5,5                  | 12                   | 75                   | 35                   | 36                   | 6                          | 4,9                  | 4       |
| F2482-5.97     | 5,97                 | 12                   | 75                   | 35                   | 36                   | 6                          | 5,3                  | 4       |
| F2482-5.98     | 5,98                 | 12                   | 75                   | 35                   | 36                   | 6                          | 5,3                  | 4       |
| F2482-5.99     | 5,99                 | 12                   | 75                   | 35                   | 36                   | 6                          | 5,3                  | 4       |
| F2482-6        | 6                    | 12                   | 75                   | 35                   | 36                   | 6                          | 5,3                  | 4       |
| F2482-6.01     | 6,01                 | 12                   | 75                   | 35                   | 36                   | 6                          | 5,3                  | 4       |

Пример заказа инструмента из сплава TMS: F2482TMS-10

## Инструмент



DIN 6535 HA

| Обозначение | D <sub>c</sub><br>мм | L <sub>c</sub><br>мм | l <sub>1</sub><br>мм | l <sub>3</sub><br>мм | l <sub>5</sub><br>мм | d <sub>1</sub><br>h6<br>мм | d <sub>3</sub><br>мм | Z<br>EA |
|-------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|----------------------|---------|
| F2482-6.02  | 6,02                 | 12                   | 75                   | 35                   | 36                   | 6                          | 5,3                  | 4       |
| F2482-6.03  | 6,03                 | 12                   | 75                   | 35                   | 36                   | 6                          | 5,3                  | 4       |
| F2482-6.5   | 6,5                  | 16                   | 100                  | 59                   | 36                   | 8                          | 5,7                  | 6       |
| F2482-7     | 7                    | 16                   | 100                  | 59                   | 36                   | 8                          | 6,2                  | 6       |
| F2482-7.5   | 7,5                  | 16                   | 100                  | 60                   | 36                   | 8                          | 6,7                  | 6       |
| F2482-7.97  | 7,97                 | 16                   | 100                  | 60                   | 36                   | 8                          | 7,2                  | 6       |
| F2482-7.98  | 7,98                 | 16                   | 100                  | 60                   | 36                   | 8                          | 7,2                  | 6       |
| F2482-7.99  | 7,99                 | 16                   | 100                  | 60                   | 36                   | 8                          | 7,2                  | 6       |
| F2482-8     | 8                    | 16                   | 100                  | 60                   | 36                   | 8                          | 7,2                  | 6       |
| F2482-8.01  | 8,01                 | 16                   | 100                  | 60                   | 36                   | 8                          | 7,2                  | 6       |
| F2482-8.02  | 8,02                 | 16                   | 100                  | 60                   | 36                   | 8                          | 7,2                  | 6       |
| F2482-8.03  | 8,03                 | 16                   | 100                  | 60                   | 36                   | 8                          | 7,2                  | 6       |
| F2482-8.5   | 8,5                  | 20                   | 100                  | 55                   | 40                   | 10                         | 7,7                  | 6       |
| F2482-9     | 9                    | 20                   | 100                  | 55                   | 40                   | 10                         | 8,2                  | 6       |
| F2482-9.5   | 9,5                  | 20                   | 120                  | 76                   | 40                   | 10                         | 8,7                  | 6       |
| F2482-9.97  | 9,97                 | 20                   | 120                  | 76                   | 40                   | 10                         | 9                    | 6       |
| F2482-9.98  | 9,98                 | 20                   | 120                  | 76                   | 40                   | 10                         | 9                    | 6       |
| F2482-9.99  | 9,99                 | 20                   | 120                  | 76                   | 40                   | 10                         | 9                    | 6       |
| F2482-10    | 10                   | 20                   | 120                  | 76                   | 40                   | 10                         | 9                    | 6       |
| F2482-10.01 | 10,01                | 20                   | 120                  | 76                   | 40                   | 10                         | 9                    | 6       |
| F2482-10.02 | 10,02                | 20                   | 120                  | 76                   | 40                   | 10                         | 9                    | 6       |
| F2482-10.03 | 10,03                | 20                   | 120                  | 76                   | 40                   | 10                         | 9                    | 6       |
| F2482-10.5  | 10,5                 | 20                   | 120                  | 70                   | 45                   | 12                         | 9,5                  | 6       |
| F2482-11    | 11                   | 20                   | 120                  | 70                   | 45                   | 12                         | 10                   | 6       |
| F2482-11.5  | 11,5                 | 20                   | 120                  | 71                   | 45                   | 12                         | 10,5                 | 6       |
| F2482-11.97 | 11,97                | 20                   | 120                  | 71                   | 45                   | 12                         | 11                   | 6       |
| F2482-11.98 | 11,98                | 20                   | 120                  | 71                   | 45                   | 12                         | 11                   | 6       |
| F2482-11.99 | 11,99                | 20                   | 120                  | 71                   | 45                   | 12                         | 11                   | 6       |
| F2482-12    | 12                   | 20                   | 120                  | 71                   | 45                   | 12                         | 11                   | 6       |
| F2482-12.01 | 12,01                | 20                   | 120                  | 71                   | 45                   | 12                         | 11                   | 6       |
| F2482-12.02 | 12,02                | 20                   | 120                  | 71                   | 45                   | 12                         | 11                   | 6       |
| F2482-12.03 | 12,03                | 20                   | 120                  | 71                   | 45                   | 12                         | 11                   | 6       |
| F2482-13    | 13                   | 22                   | 130                  | 80                   | 45                   | 14                         | 11,5                 | 6       |
| F2482-14    | 14                   | 22                   | 130                  | 80                   | 45                   | 14                         | 12,5                 | 6       |
| F2482-15    | 15                   | 22                   | 130                  | 77                   | 48                   | 16                         | 13,5                 | 6       |
| F2482-16    | 16                   | 25                   | 150                  | 97                   | 48                   | 16                         | 14,2                 | 6       |
| F2482-17    | 17                   | 25                   | 150                  | 97                   | 48                   | 18                         | 15,2                 | 8       |
| F2482-18    | 18                   | 25                   | 150                  | 97                   | 48                   | 18                         | 16,2                 | 8       |
| F2482-19    | 19                   | 25                   | 150                  | 95                   | 50                   | 20                         | 17,2                 | 8       |
| F2482-20    | 20                   | 25                   | 150                  | 95                   | 50                   | 20                         | 18,2                 | 8       |

Пример заказа инструмента из сплава TMS: F2482TMS-10

WALTER  
SELECT

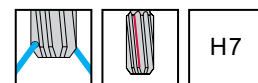
●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = 😐 → неблагоприятных = ☹️ условий обработки

☺ ☹️ ☹️ / \* = Новый инструмент

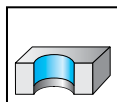
Развертки твердосплавные и быстрорежущие В 619

# Твердосплавные развёртки

## F2481TMS / F2481

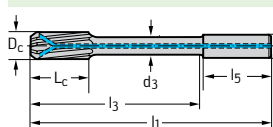


– Допуск на режущий диаметр: +0,004 мм



|              | P  | M | K  | N  | S | H | O  |
|--------------|----|---|----|----|---|---|----|
| TMS          | ●● |   | ●● |    |   |   |    |
| без покрытия | ●  |   | ●  | ●● |   |   | ●● |

### Инструмент



DIN 6535 HA

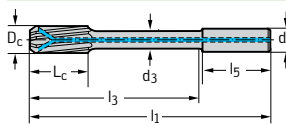
| Обозначение   | D <sub>c</sub><br>мм | L <sub>c</sub><br>мм | l <sub>1</sub><br>мм | l <sub>3</sub><br>мм | l <sub>5</sub><br>мм | d <sub>1</sub><br>h6<br>мм | d <sub>3</sub><br>мм | Z<br>EA |
|---------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|----------------------|---------|
| F2481TMS-3.97 | 3,97                 | 12                   | 75                   | 34                   | 36                   | 6                          | 3,4                  | 4       |
| F2481TMS-3.98 | 3,98                 | 12                   | 75                   | 34                   | 36                   | 6                          | 3,4                  | 4       |
| F2481TMS-3.99 | 3,99                 | 12                   | 75                   | 34                   | 36                   | 6                          | 3,4                  | 4       |
| F2481TMS-4    | 4                    | 12                   | 75                   | 34                   | 36                   | 6                          | 3,4                  | 4       |
| F2481TMS-4.01 | 4,01                 | 12                   | 75                   | 34                   | 36                   | 6                          | 3,4                  | 4       |
| F2481TMS-4.02 | 4,02                 | 12                   | 75                   | 34                   | 36                   | 6                          | 3,4                  | 4       |
| F2481TMS-4.03 | 4,03                 | 12                   | 75                   | 34                   | 36                   | 6                          | 3,4                  | 4       |
| F2481TMS-4.5  | 4,5                  | 12                   | 75                   | 34                   | 36                   | 6                          | 3,4                  | 4       |
| F2481TMS-4.97 | 4,97                 | 12                   | 75                   | 35                   | 36                   | 6                          | 3,8                  | 4       |
| F2481TMS-4.98 | 4,98                 | 12                   | 75                   | 35                   | 36                   | 6                          | 3,8                  | 4       |
| F2481TMS-4.99 | 4,99                 | 12                   | 75                   | 35                   | 36                   | 6                          | 3,8                  | 4       |
| F2481TMS-5    | 5                    | 12                   | 75                   | 35                   | 36                   | 6                          | 3,8                  | 4       |
| F2481TMS-5.01 | 5,01                 | 12                   | 75                   | 35                   | 36                   | 6                          | 3,8                  | 4       |
| F2481TMS-5.02 | 5,02                 | 12                   | 75                   | 35                   | 36                   | 6                          | 3,8                  | 4       |
| F2481TMS-5.03 | 5,03                 | 12                   | 75                   | 35                   | 36                   | 6                          | 3,8                  | 4       |
| F2481TMS-5.5  | 5,5                  | 12                   | 75                   | 35                   | 36                   | 6                          | 4,2                  | 4       |
| F2481TMS-5.97 | 5,97                 | 12                   | 75                   | 35                   | 36                   | 6                          | 4,5                  | 4       |
| F2481TMS-5.98 | 5,98                 | 12                   | 75                   | 35                   | 36                   | 6                          | 4,5                  | 4       |
| F2481TMS-5.99 | 5,99                 | 12                   | 75                   | 35                   | 36                   | 6                          | 4,5                  | 4       |
| F2481TMS-6    | 6                    | 12                   | 75                   | 35                   | 36                   | 6                          | 4,5                  | 4       |
| F2481TMS-6.01 | 6,01                 | 12                   | 75                   | 35                   | 36                   | 6                          | 4,5                  | 4       |
| F2481TMS-6.02 | 6,02                 | 12                   | 75                   | 35                   | 36                   | 6                          | 4,5                  | 4       |
| F2481TMS-6.03 | 6,03                 | 12                   | 75                   | 35                   | 36                   | 6                          | 4,5                  | 4       |
| F2481TMS-6.5  | 6,5                  | 16                   | 100                  | 59                   | 36                   | 8                          | 4,8                  | 6       |
| F2481TMS-7    | 7                    | 16                   | 100                  | 59                   | 36                   | 8                          | 5                    | 6       |
| F2481TMS-7.5  | 7,5                  | 16                   | 100                  | 60                   | 36                   | 8                          | 5,5                  | 6       |
| F2481TMS-7.97 | 7,97                 | 16                   | 100                  | 60                   | 36                   | 8                          | 6                    | 6       |
| F2481TMS-7.98 | 7,98                 | 16                   | 100                  | 60                   | 36                   | 8                          | 6                    | 6       |
| F2481TMS-7.99 | 7,99                 | 16                   | 100                  | 60                   | 36                   | 8                          | 6                    | 6       |
| F2481TMS-8    | 8                    | 16                   | 100                  | 60                   | 36                   | 8                          | 6                    | 6       |
| F2481TMS-8.01 | 8,01                 | 16                   | 100                  | 60                   | 36                   | 8                          | 6                    | 6       |
| F2481TMS-8.02 | 8,02                 | 16                   | 100                  | 60                   | 36                   | 8                          | 6                    | 6       |
| F2481TMS-8.03 | 8,03                 | 16                   | 100                  | 60                   | 36                   | 8                          | 6                    | 6       |
| F2481TMS-8.5  | 8,5                  | 20                   | 100                  | 55                   | 40                   | 10                         | 6,5                  | 6       |
| F2481TMS-9    | 9                    | 20                   | 100                  | 55                   | 40                   | 10                         | 7                    | 6       |
| F2481TMS-9.5  | 9,5                  | 20                   | 120                  | 76                   | 40                   | 10                         | 7,5                  | 6       |

Пример заказа инструмента из сплава TMS: F2481TMS-10

**WALTER  
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 ●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = 😊 → нормальных = 😐 → неблагоприятных = ☹️ условий обработки

## Инструмент



DIN 6535 HA

| Обозначение    | D <sub>c</sub><br>мм | L <sub>c</sub><br>мм | l <sub>1</sub><br>мм | l <sub>3</sub><br>мм | l <sub>5</sub><br>мм | d <sub>1</sub><br>h6<br>мм | d <sub>3</sub><br>мм | Z<br>EA |
|----------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|----------------------|---------|
| F2481TMS-9.97  | 9,97                 | 20                   | 120                  | 76                   | 40                   | 10                         | 7,5                  | 6       |
| F2481TMS-9.98  | 9,98                 | 20                   | 120                  | 76                   | 40                   | 10                         | 7,5                  | 6       |
| F2481TMS-9.99  | 9,99                 | 20                   | 120                  | 76                   | 40                   | 10                         | 7,5                  | 6       |
| F2481TMS-10    | 10                   | 20                   | 120                  | 76                   | 40                   | 10                         | 7,5                  | 6       |
| F2481TMS-10.01 | 10,01                | 20                   | 120                  | 76                   | 40                   | 10                         | 7,5                  | 6       |
| F2481TMS-10.02 | 10,02                | 20                   | 120                  | 76                   | 40                   | 10                         | 7,5                  | 6       |
| F2481TMS-10.03 | 10,03                | 20                   | 120                  | 76                   | 40                   | 10                         | 7,5                  | 6       |
| F2481TMS-10.5  | 10,5                 | 20                   | 120                  | 70                   | 45                   | 12                         | 8                    | 6       |
| F2481TMS-11    | 11                   | 20                   | 120                  | 70                   | 45                   | 12                         | 8,5                  | 6       |
| F2481TMS-11.5  | 11,5                 | 20                   | 120                  | 71                   | 45                   | 12                         | 8,5                  | 6       |
| F2481TMS-11.97 | 11,97                | 20                   | 120                  | 71                   | 45                   | 12                         | 9                    | 6       |
| F2481TMS-11.98 | 11,98                | 20                   | 120                  | 71                   | 45                   | 12                         | 9                    | 6       |
| F2481TMS-11.99 | 11,99                | 20                   | 120                  | 71                   | 45                   | 12                         | 9                    | 6       |
| F2481TMS-12    | 12                   | 20                   | 120                  | 71                   | 45                   | 12                         | 9                    | 6       |
| F2481TMS-12.01 | 12,01                | 20                   | 120                  | 71                   | 45                   | 12                         | 9                    | 6       |
| F2481TMS-12.02 | 12,02                | 20                   | 120                  | 71                   | 45                   | 12                         | 9                    | 6       |
| F2481TMS-12.03 | 12,03                | 20                   | 120                  | 71                   | 45                   | 12                         | 9                    | 6       |
| F2481TMS-13    | 13                   | 22                   | 130                  | 80                   | 45                   | 14                         | 10                   | 6       |
| F2481TMS-14    | 14                   | 22                   | 130                  | 80                   | 45                   | 14                         | 10,5                 | 6       |
| F2481TMS-15    | 15                   | 22                   | 130                  | 77                   | 48                   | 16                         | 11,5                 | 6       |
| F2481TMS-16    | 16                   | 25                   | 150                  | 97                   | 48                   | 16                         | 12                   | 6       |
| F2481TMS-17    | 17                   | 25                   | 150                  | 97                   | 48                   | 18                         | 13                   | 8       |
| F2481TMS-18    | 18                   | 25                   | 150                  | 97                   | 48                   | 18                         | 13,5                 | 8       |
| F2481TMS-19    | 19                   | 25                   | 150                  | 95                   | 50                   | 20                         | 14                   | 8       |
| F2481TMS-20    | 20                   | 25                   | 150                  | 95                   | 50                   | 20                         | 14,5                 | 8       |
| F2481-3.97     | 3,97                 | 12                   | 75                   | 34                   | 36                   | 6                          | 3,4                  | 4       |
| F2481-3.98     | 3,98                 | 12                   | 75                   | 34                   | 36                   | 6                          | 3,4                  | 4       |
| F2481-3.99     | 3,99                 | 12                   | 75                   | 34                   | 36                   | 6                          | 3,4                  | 4       |
| F2481-4        | 4                    | 12                   | 75                   | 34                   | 36                   | 6                          | 3,4                  | 4       |
| F2481-4.01     | 4,01                 | 12                   | 75                   | 34                   | 36                   | 6                          | 3,4                  | 4       |
| F2481-4.02     | 4,02                 | 12                   | 75                   | 34                   | 36                   | 6                          | 3,4                  | 4       |
| F2481-4.03     | 4,03                 | 12                   | 75                   | 34                   | 36                   | 6                          | 3,4                  | 4       |
| F2481-4.5      | 4,5                  | 12                   | 75                   | 34                   | 36                   | 6                          | 3,4                  | 4       |
| F2481-4.97     | 4,97                 | 12                   | 75                   | 35                   | 36                   | 6                          | 3,8                  | 4       |
| F2481-4.98     | 4,98                 | 12                   | 75                   | 35                   | 36                   | 6                          | 3,8                  | 4       |
| F2481-4.99     | 4,99                 | 12                   | 75                   | 35                   | 36                   | 6                          | 3,8                  | 4       |
| F2481-5        | 5                    | 12                   | 75                   | 35                   | 36                   | 6                          | 3,8                  | 4       |
| F2481-5.01     | 5,01                 | 12                   | 75                   | 35                   | 36                   | 6                          | 3,8                  | 4       |
| F2481-5.02     | 5,02                 | 12                   | 75                   | 35                   | 36                   | 6                          | 3,8                  | 4       |
| F2481-5.03     | 5,03                 | 12                   | 75                   | 35                   | 36                   | 6                          | 3,8                  | 4       |
| F2481-5.5      | 5,5                  | 12                   | 75                   | 35                   | 36                   | 6                          | 4,2                  | 4       |
| F2481-5.97     | 5,97                 | 12                   | 75                   | 35                   | 36                   | 6                          | 4,5                  | 4       |
| F2481-5.98     | 5,98                 | 12                   | 75                   | 35                   | 36                   | 6                          | 4,5                  | 4       |
| F2481-5.99     | 5,99                 | 12                   | 75                   | 35                   | 36                   | 6                          | 4,5                  | 4       |
| F2481-6        | 6                    | 12                   | 75                   | 35                   | 36                   | 6                          | 4,5                  | 4       |
| F2481-6.01     | 6,01                 | 12                   | 75                   | 35                   | 36                   | 6                          | 4,5                  | 4       |

Пример заказа инструмента из сплава TMS: F2481TMS-10

WALTER  
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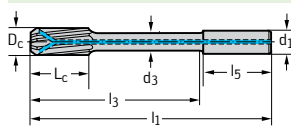
●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условия обработки

☹ ☹ ☹ / \* = Новый инструмент

Развертки твердосплавные и быстрорежущие

B 621

## Инструмент



DIN 6535 HA

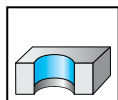
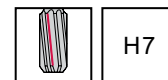
| Обозначение | D <sub>c</sub><br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>3</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | d <sub>3</sub><br>mm | Z<br>EA |
|-------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|----------------------|---------|
| F2481-6.02  | 6,02                 | 12                   | 75                   | 35                   | 36                   | 6                          | 4,5                  | 4       |
| F2481-6.03  | 6,03                 | 12                   | 75                   | 35                   | 36                   | 6                          | 4,5                  | 4       |
| F2481-6.5   | 6,5                  | 16                   | 100                  | 59                   | 36                   | 8                          | 4,8                  | 6       |
| F2481-7     | 7                    | 16                   | 100                  | 59                   | 36                   | 8                          | 5                    | 6       |
| F2481-7.5   | 7,5                  | 16                   | 100                  | 60                   | 36                   | 8                          | 5,5                  | 6       |
| F2481-7.97  | 7,97                 | 16                   | 100                  | 60                   | 36                   | 8                          | 6                    | 6       |
| F2481-7.98  | 7,98                 | 16                   | 100                  | 60                   | 36                   | 8                          | 6                    | 6       |
| F2481-7.99  | 7,99                 | 16                   | 100                  | 60                   | 36                   | 8                          | 6                    | 6       |
| F2481-8     | 8                    | 16                   | 100                  | 60                   | 36                   | 8                          | 6                    | 6       |
| F2481-8.01  | 8,01                 | 16                   | 100                  | 60                   | 36                   | 8                          | 6                    | 6       |
| F2481-8.02  | 8,02                 | 16                   | 100                  | 60                   | 36                   | 8                          | 6                    | 6       |
| F2481-8.03  | 8,03                 | 16                   | 100                  | 60                   | 36                   | 8                          | 6                    | 6       |
| F2481-8.5   | 8,5                  | 20                   | 100                  | 55                   | 40                   | 10                         | 6,5                  | 6       |
| F2481-9     | 9                    | 20                   | 100                  | 55                   | 40                   | 10                         | 7                    | 6       |
| F2481-9.5   | 9,5                  | 20                   | 120                  | 76                   | 40                   | 10                         | 7,5                  | 6       |
| F2481-9.97  | 9,97                 | 20                   | 120                  | 76                   | 40                   | 10                         | 7,5                  | 6       |
| F2481-9.98  | 9,98                 | 20                   | 120                  | 76                   | 40                   | 10                         | 7,5                  | 6       |
| F2481-9.99  | 9,99                 | 20                   | 120                  | 76                   | 40                   | 10                         | 7,5                  | 6       |
| F2481-10    | 10                   | 20                   | 120                  | 76                   | 40                   | 10                         | 7,5                  | 6       |
| F2481-10.01 | 10,01                | 20                   | 120                  | 76                   | 40                   | 10                         | 7,5                  | 6       |
| F2481-10.02 | 10,02                | 20                   | 120                  | 76                   | 40                   | 10                         | 7,5                  | 6       |
| F2481-10.03 | 10,03                | 20                   | 120                  | 76                   | 40                   | 10                         | 7,5                  | 6       |
| F2481-10.5  | 10,5                 | 20                   | 120                  | 70                   | 45                   | 12                         | 8                    | 6       |
| F2481-11    | 11                   | 20                   | 120                  | 70                   | 45                   | 12                         | 8,5                  | 6       |
| F2481-11.5  | 11,5                 | 20                   | 120                  | 71                   | 45                   | 12                         | 8,5                  | 6       |
| F2481-11.97 | 11,97                | 20                   | 120                  | 71                   | 45                   | 12                         | 9                    | 6       |
| F2481-11.98 | 11,98                | 20                   | 120                  | 71                   | 45                   | 12                         | 9                    | 6       |
| F2481-11.99 | 11,99                | 20                   | 120                  | 71                   | 45                   | 12                         | 9                    | 6       |
| F2481-12    | 12                   | 20                   | 120                  | 71                   | 45                   | 12                         | 9                    | 6       |
| F2481-12.01 | 12,01                | 20                   | 120                  | 71                   | 45                   | 12                         | 9                    | 6       |
| F2481-12.02 | 12,02                | 20                   | 120                  | 71                   | 45                   | 12                         | 9                    | 6       |
| F2481-12.03 | 12,03                | 20                   | 120                  | 71                   | 45                   | 12                         | 9                    | 6       |
| F2481-13    | 13                   | 22                   | 130                  | 80                   | 45                   | 14                         | 10                   | 6       |
| F2481-14    | 14                   | 22                   | 130                  | 80                   | 45                   | 14                         | 10,5                 | 6       |
| F2481-15    | 15                   | 22                   | 130                  | 77                   | 48                   | 16                         | 11,5                 | 6       |
| F2481-16    | 16                   | 25                   | 150                  | 97                   | 48                   | 16                         | 12                   | 6       |
| F2481-17    | 17                   | 25                   | 150                  | 97                   | 48                   | 18                         | 13                   | 8       |
| F2481-18    | 18                   | 25                   | 150                  | 97                   | 48                   | 18                         | 13,5                 | 8       |
| F2481-19    | 19                   | 25                   | 150                  | 95                   | 50                   | 20                         | 14                   | 8       |
| F2481-20    | 20                   | 25                   | 150                  | 95                   | 50                   | 20                         | 14,5                 | 8       |

Пример заказа инструмента из сплава TMS: F2481TMS-10

## Развёртки машинные из твердого сплава F2171



– Твёрдый сплав до Ø 13 мм, больше Ø 13 мм — твердосплавная режущая головка



|              | P  | M  | K  | N  | S  | H | O  |
|--------------|----|----|----|----|----|---|----|
| без покрытия | ●● | ●● | ●● | ●● | ●● | ● | ●● |

| Инструмент      | Обозначение | D <sub>c</sub><br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | Z<br>EA |
|-----------------|-------------|----------------------|----------------------|----------------------|----------------------|----------------------------|---------|
|                 |             |                      |                      |                      |                      |                            |         |
| <br>DIN 6535 HA | F2171-2     | 2                    | 12                   | 49                   | 28                   | 4                          | 4       |
|                 | F2171-2.5   | 2,5                  | 16                   | 59                   | 28                   | 4                          | 4       |
|                 | F2171-3     | 3                    | 17                   | 63                   | 28                   | 4                          | 6       |
|                 | F2171-3.2   | 3,2                  | 18                   | 65                   | 28                   | 4                          | 6       |
|                 | F2171-3.5   | 3,5                  | 18                   | 70                   | 28                   | 4                          | 6       |
|                 | F2171-4     | 4                    | 19                   | 75                   | 28                   | 4                          | 6       |
|                 | F2171-4.5   | 4,5                  | 21                   | 80                   | 36                   | 6                          | 6       |
|                 | F2171-5     | 5                    | 23                   | 86                   | 36                   | 6                          | 6       |
|                 | F2171-5.5   | 5,5                  | 26                   | 93                   | 36                   | 6                          | 6       |
|                 | F2171-6     | 6                    | 26                   | 93                   | 36                   | 6                          | 6       |
|                 | F2171-6.5   | 6,5                  | 28                   | 101                  | 36                   | 6                          | 6       |
|                 | F2171-7     | 7                    | 31                   | 109                  | 36                   | 8                          | 6       |
|                 | F2171-7.5   | 7,5                  | 31                   | 109                  | 36                   | 8                          | 6       |
|                 | F2171-8     | 8                    | 33                   | 117                  | 36                   | 8                          | 6       |
|                 | F2171-8.5   | 8,5                  | 33                   | 117                  | 36                   | 8                          | 6       |
|                 | F2171-9     | 9                    | 36                   | 125                  | 40                   | 10                         | 6       |
|                 | F2171-10    | 10                   | 38                   | 133                  | 40                   | 10                         | 6       |
|                 | F2171-11    | 11                   | 41                   | 142                  | 45                   | 12                         | 6       |
|                 | F2171-12    | 12                   | 44                   | 151                  | 45                   | 12                         | 6       |
|                 | F2171-13    | 13                   | 44                   | 151                  | 45                   | 12                         | 6       |
| F2171-14        | 14          | 47                   | 160                  | 48                   | 16                   | 8                          |         |
| F2171-15        | 15          | 50                   | 162                  | 48                   | 16                   | 8                          |         |
| F2171-16        | 16          | 52                   | 170                  | 48                   | 16                   | 8                          |         |
| F2171-18        | 18          | 52                   | 182                  | 48                   | 18                   | 8                          |         |
| F2171-20        | 20          | 52                   | 195                  | 50                   | 20                   | 8                          |         |

Размеры аналогично DIN 8093

**WALTER  
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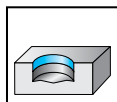
●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

# Развёртки машинные из твердого сплава

## F2162

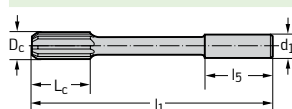


H7



|              |    |    |    |    |    |   |    |
|--------------|----|----|----|----|----|---|----|
|              | P  | M  | K  | N  | S  | H | O  |
| без покрытия | ●● | ●● | ●● | ●● | ●● | ● | ●● |

### Инструмент



DIN 6535 HA

| Обозначение | D <sub>c</sub><br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | Z<br>EA |
|-------------|----------------------|----------------------|----------------------|----------------------|----------------------------|---------|
| F2162-4     | 4                    | 19                   | 75                   | 28                   | 4                          | 6       |
| F2162-4.5   | 4,5                  | 21                   | 80                   | 36                   | 6                          | 6       |
| F2162-5     | 5                    | 23                   | 86                   | 36                   | 6                          | 6       |
| F2162-5.5   | 5,5                  | 26                   | 93                   | 36                   | 6                          | 6       |
| F2162-6     | 6                    | 26                   | 93                   | 36                   | 6                          | 6       |
| F2162-6.5   | 6,5                  | 28                   | 101                  | 36                   | 6                          | 6       |
| F2162-7     | 7                    | 31                   | 109                  | 36                   | 8                          | 6       |
| F2162-7.5   | 7,5                  | 31                   | 109                  | 36                   | 8                          | 6       |
| F2162-8     | 8                    | 33                   | 117                  | 36                   | 8                          | 6       |
| F2162-8.5   | 8,5                  | 33                   | 117                  | 36                   | 8                          | 6       |
| F2162-9     | 9                    | 36                   | 125                  | 40                   | 10                         | 6       |
| F2162-9.5   | 9,5                  | 36                   | 125                  | 40                   | 10                         | 6       |
| F2162-10    | 10                   | 38                   | 133                  | 40                   | 10                         | 6       |
| F2162-11    | 11                   | 41                   | 142                  | 45                   | 12                         | 6       |
| F2162-12    | 12                   | 44                   | 151                  | 45                   | 12                         | 6       |
| F2162-13    | 13                   | 44                   | 151                  | 45                   | 12                         | 6       |
| F2162-14    | 14                   | 47                   | 160                  | 48                   | 16                         | 8       |
| F2162-15    | 15                   | 50                   | 162                  | 48                   | 16                         | 8       |
| F2162-16    | 16                   | 52                   | 170                  | 48                   | 16                         | 8       |
| F2162-17    | 17                   | 52                   | 175                  | 48                   | 18                         | 8       |
| F2162-18    | 18                   | 52                   | 182                  | 48                   | 18                         | 8       |
| F2162-20    | 20                   | 52                   | 195                  | 50                   | 20                         | 8       |

Размеры аналогично DIN 8093

**WALTER  
SELECT**

●● Основная область применения    ● Возможная область применения  
 Оптимально подходит для → хороших = 😊 → нормальных = 😐 → неблагоприятных = ☹️ условий обработки

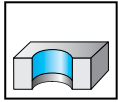


# Развёртки машинные быстрорежущие

## F1352HUN

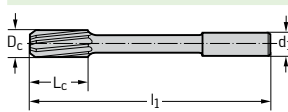


– Стандарт Walter до  $\varnothing$  3,75 мм – с центрирующими вершинами  
– Ступень  $\varnothing = 0,01$  мм



|              |    |   |    |    |   |   |    |
|--------------|----|---|----|----|---|---|----|
|              | P  | M | K  | N  | S | H | O  |
| без покрытия | ●● |   | ●● | ●● |   |   | ●● |

### Инструмент



Cylindrical shank

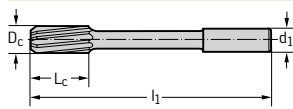
| Обозначение   | D <sub>c</sub><br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h <sub>9</sub><br>mm | Z<br>EA |
|---------------|----------------------|----------------------|----------------------|----------------------|--|---------|
| F1352HUN-0.95 | 0,95                 | 6                    | 34                   | 19                   | 1                                      | 3       |
| F1352HUN-0.97 | 0,97                 | 6                    | 34                   | 19                   | 1                                      | 3       |
| F1352HUN-0.98 | 0,98                 | 6                    | 34                   | 19                   | 1                                      | 3       |
| F1352HUN-0.99 | 0,99                 | 6                    | 34                   | 19                   | 1                                      | 3       |
| F1352HUN-1    | 1                    | 6                    | 34                   | 19                   | 1                                      | 3       |
| F1352HUN-1.01 | 1,01                 | 6                    | 34                   | 19                   | 1                                      | 3       |
| F1352HUN-1.02 | 1,02                 | 6                    | 34                   | 19                   | 1                                      | 3       |
| F1352HUN-1.03 | 1,03                 | 6                    | 34                   | 19                   | 1                                      | 3       |
| F1352HUN-1.04 | 1,04                 | 6                    | 34                   | 19                   | 1                                      | 3       |
| F1352HUN-1.05 | 1,05                 | 6                    | 34                   | 19                   | 1                                      | 3       |
| F1352HUN-1.06 | 1,06                 | 6                    | 34                   | 19                   | 1                                      | 3       |
| F1352HUN-1.07 | 1,07                 | 7                    | 36                   | 20,5                 | 1                                      | 3       |
| F1352HUN-1.08 | 1,08                 | 7                    | 36                   | 20,5                 | 1                                      | 3       |
| F1352HUN-1.09 | 1,09                 | 7                    | 36                   | 20,5                 | 1                                      | 3       |
| F1352HUN-1.11 | 1,11                 | 7                    | 36                   | 20,5                 | 1                                      | 3       |
| F1352HUN-1.12 | 1,12                 | 7                    | 36                   | 20,5                 | 1                                      | 3       |
| F1352HUN-1.13 | 1,13                 | 7                    | 36                   | 20,5                 | 1                                      | 3       |
| F1352HUN-1.14 | 1,14                 | 7                    | 36                   | 20,5                 | 1                                      | 3       |
| F1352HUN-1.15 | 1,15                 | 7                    | 36                   | 20,5                 | 1                                      | 3       |
| F1352HUN-1.16 | 1,16                 | 7                    | 36                   | 20,5                 | 1                                      | 3       |
| F1352HUN-1.17 | 1,17                 | 7                    | 36                   | 20,5                 | 1                                      | 3       |
| F1352HUN-1.18 | 1,18                 | 7                    | 36                   | 20,5                 | 1                                      | 3       |
| F1352HUN-1.19 | 1,19                 | 8                    | 38                   | 21,5                 | 1                                      | 3       |
| F1352HUN-1.2  | 1,2                  | 8                    | 38                   | 21,5                 | 1                                      | 3       |
| F1352HUN-1.21 | 1,21                 | 8                    | 38                   | 21,5                 | 1                                      | 3       |
| F1352HUN-1.22 | 1,22                 | 8                    | 38                   | 21,5                 | 1                                      | 3       |
| F1352HUN-1.23 | 1,23                 | 8                    | 38                   | 21,5                 | 1                                      | 3       |
| F1352HUN-1.24 | 1,24                 | 8                    | 38                   | 21,5                 | 1                                      | 3       |
| F1352HUN-1.25 | 1,25                 | 8                    | 38                   | 21,5                 | 1                                      | 3       |
| F1352HUN-1.26 | 1,26                 | 8                    | 38                   | 21,5                 | 1                                      | 3       |
| F1352HUN-1.27 | 1,27                 | 8                    | 38                   | 21,5                 | 1                                      | 3       |
| F1352HUN-1.28 | 1,28                 | 8                    | 38                   | 21,5                 | 1                                      | 3       |
| F1352HUN-1.29 | 1,29                 | 8                    | 38                   | 21,5                 | 1                                      | 3       |
| F1352HUN-1.3  | 1,3                  | 8                    | 38                   | 21,5                 | 1                                      | 3       |
| F1352HUN-1.31 | 1,31                 | 8                    | 38                   | 21,5                 | 1                                      | 3       |
| F1352HUN-1.32 | 1,32                 | 8                    | 38                   | 21,5                 | 1                                      | 3       |

B3

WALTER  
SELECT

●● Основная область применения ● Возможная область применения  
Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

## Инструмент

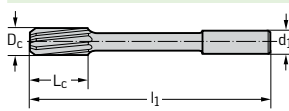


Cylindrical shank

| Обозначение   | D <sub>c</sub><br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h9<br>mm | Z<br>EA |
|---------------|----------------------|----------------------|----------------------|----------------------|----------------------------|---------|
| F1352HUN-1.33 | 1,33                 | 8                    | 40                   | 22                   | 1                          | 3       |
| F1352HUN-1.34 | 1,34                 | 8                    | 40                   | 22                   | 1                          | 3       |
| F1352HUN-1.35 | 1,35                 | 8                    | 40                   | 22                   | 1                          | 3       |
| F1352HUN-1.36 | 1,36                 | 8                    | 40                   | 22                   | 1                          | 3       |
| F1352HUN-1.37 | 1,37                 | 8                    | 40                   | 22                   | 1                          | 3       |
| F1352HUN-1.38 | 1,38                 | 8                    | 40                   | 22                   | 1                          | 3       |
| F1352HUN-1.39 | 1,39                 | 8                    | 40                   | 22                   | 1                          | 3       |
| F1352HUN-1.4  | 1,4                  | 8                    | 40                   | 22                   | 1                          | 3       |
| F1352HUN-1.41 | 1,41                 | 8                    | 40                   | 22                   | 1                          | 3       |
| F1352HUN-1.42 | 1,42                 | 8                    | 40                   | 22                   | 1                          | 3       |
| F1352HUN-1.43 | 1,43                 | 8                    | 40                   | 22                   | 1                          | 3       |
| F1352HUN-1.44 | 1,44                 | 8                    | 40                   | 22                   | 1                          | 3       |
| F1352HUN-1.45 | 1,45                 | 8                    | 40                   | 22                   | 1                          | 3       |
| F1352HUN-1.46 | 1,46                 | 8                    | 40                   | 22                   | 1                          | 3       |
| F1352HUN-1.47 | 1,47                 | 8                    | 40                   | 22                   | 1                          | 3       |
| F1352HUN-1.48 | 1,48                 | 8                    | 40                   | 22                   | 1                          | 3       |
| F1352HUN-1.49 | 1,49                 | 8                    | 40                   | 22                   | 1                          | 3       |
| F1352HUN-1.5  | 1,5                  | 8                    | 40                   | 22                   | 1                          | 3       |
| F1352HUN-1.51 | 1,51                 | 9                    | 43                   | 23                   | 2                          | 3       |
| F1352HUN-1.52 | 1,52                 | 9                    | 43                   | 23                   | 2                          | 3       |
| F1352HUN-1.53 | 1,53                 | 9                    | 43                   | 23                   | 2                          | 3       |
| F1352HUN-1.54 | 1,54                 | 9                    | 43                   | 23                   | 2                          | 3       |
| F1352HUN-1.55 | 1,55                 | 9                    | 43                   | 23                   | 2                          | 3       |
| F1352HUN-1.56 | 1,56                 | 9                    | 43                   | 23                   | 2                          | 3       |
| F1352HUN-1.57 | 1,57                 | 9                    | 43                   | 23                   | 2                          | 3       |
| F1352HUN-1.58 | 1,58                 | 9                    | 43                   | 23                   | 2                          | 3       |
| F1352HUN-1.59 | 1,59                 | 9                    | 43                   | 23                   | 2                          | 3       |
| F1352HUN-1.6  | 1,6                  | 9                    | 43                   | 23                   | 2                          | 3       |
| F1352HUN-1.61 | 1,61                 | 9                    | 43                   | 23                   | 2                          | 3       |
| F1352HUN-1.62 | 1,62                 | 9                    | 43                   | 23                   | 2                          | 3       |
| F1352HUN-1.63 | 1,63                 | 9                    | 43                   | 23                   | 2                          | 3       |
| F1352HUN-1.64 | 1,64                 | 9                    | 43                   | 23                   | 2                          | 3       |
| F1352HUN-1.65 | 1,65                 | 9                    | 43                   | 23                   | 2                          | 3       |
| F1352HUN-1.66 | 1,66                 | 9                    | 43                   | 23                   | 2                          | 3       |
| F1352HUN-1.67 | 1,67                 | 9                    | 43                   | 23                   | 2                          | 3       |
| F1352HUN-1.68 | 1,68                 | 9                    | 43                   | 23                   | 2                          | 3       |
| F1352HUN-1.69 | 1,69                 | 9                    | 43                   | 23                   | 2                          | 3       |
| F1352HUN-1.7  | 1,7                  | 9                    | 43                   | 23                   | 2                          | 3       |
| F1352HUN-1.71 | 1,71                 | 10                   | 46                   | 24                   | 2                          | 4       |
| F1352HUN-1.72 | 1,72                 | 10                   | 46                   | 24                   | 2                          | 4       |
| F1352HUN-1.73 | 1,73                 | 10                   | 46                   | 24                   | 2                          | 4       |
| F1352HUN-1.74 | 1,74                 | 10                   | 46                   | 24                   | 2                          | 4       |
| F1352HUN-1.75 | 1,75                 | 10                   | 46                   | 24                   | 2                          | 4       |
| F1352HUN-1.76 | 1,76                 | 10                   | 46                   | 24                   | 2                          | 4       |
| F1352HUN-1.77 | 1,77                 | 10                   | 46                   | 24                   | 2                          | 4       |
| F1352HUN-1.78 | 1,78                 | 10                   | 46                   | 24                   | 2                          | 4       |

B3

## Инструмент



Cylindrical shank

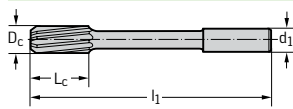
| Обозначение   | D <sub>c</sub><br>мм | L <sub>c</sub><br>мм | l <sub>1</sub><br>мм | l <sub>5</sub><br>мм | d <sub>1</sub><br>h9<br>мм | Z<br>EA |
|---------------|----------------------|----------------------|----------------------|----------------------|----------------------------|---------|
| F1352HUN-1.79 | 1,79                 | 10                   | 46                   | 24                   | 2                          | 4       |
| F1352HUN-1.8  | 1,8                  | 10                   | 46                   | 24                   | 2                          | 4       |
| F1352HUN-1.81 | 1,81                 | 10                   | 46                   | 24                   | 2                          | 4       |
| F1352HUN-1.82 | 1,82                 | 10                   | 46                   | 24                   | 2                          | 4       |
| F1352HUN-1.83 | 1,83                 | 10                   | 46                   | 24                   | 2                          | 4       |
| F1352HUN-1.84 | 1,84                 | 10                   | 46                   | 24                   | 2                          | 4       |
| F1352HUN-1.85 | 1,85                 | 10                   | 46                   | 24                   | 2                          | 4       |
| F1352HUN-1.86 | 1,86                 | 10                   | 46                   | 24                   | 2                          | 4       |
| F1352HUN-1.87 | 1,87                 | 10                   | 46                   | 24                   | 2                          | 4       |
| F1352HUN-1.88 | 1,88                 | 10                   | 46                   | 24                   | 2                          | 4       |
| F1352HUN-1.89 | 1,89                 | 10                   | 46                   | 24                   | 2                          | 4       |
| F1352HUN-1.9  | 1,9                  | 10                   | 46                   | 24                   | 2                          | 4       |
| F1352HUN-1.91 | 1,91                 | 11                   | 49                   | 25                   | 2                          | 4       |
| F1352HUN-1.92 | 1,92                 | 11                   | 49                   | 25                   | 2                          | 4       |
| F1352HUN-1.93 | 1,93                 | 11                   | 49                   | 25                   | 2                          | 4       |
| F1352HUN-1.94 | 1,94                 | 11                   | 49                   | 25                   | 2                          | 4       |
| F1352HUN-1.95 | 1,95                 | 11                   | 49                   | 25                   | 2                          | 4       |
| F1352HUN-1.96 | 1,96                 | 11                   | 49                   | 25                   | 2                          | 4       |
| F1352HUN-1.97 | 1,97                 | 11                   | 49                   | 25                   | 2                          | 4       |
| F1352HUN-1.98 | 1,98                 | 11                   | 49                   | 25                   | 2                          | 4       |
| F1352HUN-1.99 | 1,99                 | 11                   | 49                   | 25                   | 2                          | 4       |
| F1352HUN-2    | 2                    | 11                   | 49                   | 25                   | 2                          | 4       |
| F1352HUN-2.01 | 2,01                 | 11                   | 49                   | 25                   | 2                          | 4       |
| F1352HUN-2.02 | 2,02                 | 11                   | 49                   | 25                   | 2                          | 4       |
| F1352HUN-2.03 | 2,03                 | 11                   | 49                   | 25                   | 2                          | 4       |
| F1352HUN-2.04 | 2,04                 | 11                   | 49                   | 25                   | 2                          | 4       |
| F1352HUN-2.05 | 2,05                 | 11                   | 49                   | 25                   | 2                          | 4       |
| F1352HUN-2.06 | 2,06                 | 11                   | 49                   | 25                   | 2                          | 4       |
| F1352HUN-2.07 | 2,07                 | 11                   | 49                   | 25                   | 2                          | 4       |
| F1352HUN-2.08 | 2,08                 | 11                   | 49                   | 25                   | 2                          | 4       |
| F1352HUN-2.09 | 2,09                 | 11                   | 49                   | 25                   | 2                          | 4       |
| F1352HUN-2.1  | 2,1                  | 11                   | 49                   | 25                   | 2                          | 4       |
| F1352HUN-2.11 | 2,11                 | 11                   | 49                   | 25                   | 2                          | 4       |
| F1352HUN-2.12 | 2,12                 | 11                   | 49                   | 25                   | 2                          | 4       |
| F1352HUN-2.13 | 2,13                 | 12                   | 53                   | 27                   | 2                          | 4       |
| F1352HUN-2.14 | 2,14                 | 12                   | 53                   | 27                   | 2                          | 4       |
| F1352HUN-2.15 | 2,15                 | 12                   | 53                   | 27                   | 2                          | 4       |
| F1352HUN-2.16 | 2,16                 | 12                   | 53                   | 27                   | 2                          | 4       |
| F1352HUN-2.17 | 2,17                 | 12                   | 53                   | 27                   | 2                          | 4       |
| F1352HUN-2.18 | 2,18                 | 12                   | 53                   | 27                   | 2                          | 4       |
| F1352HUN-2.19 | 2,19                 | 12                   | 53                   | 27                   | 2                          | 4       |
| F1352HUN-2.2  | 2,2                  | 12                   | 53                   | 27                   | 2                          | 4       |
| F1352HUN-2.21 | 2,21                 | 12                   | 53                   | 27                   | 2                          | 4       |
| F1352HUN-2.22 | 2,22                 | 12                   | 53                   | 27                   | 2                          | 4       |
| F1352HUN-2.23 | 2,23                 | 12                   | 53                   | 27                   | 2                          | 4       |
| F1352HUN-2.24 | 2,24                 | 12                   | 53                   | 27                   | 2                          | 4       |

B 3

WALTER  
SELECT

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки

## Инструмент



Cylindrical shank

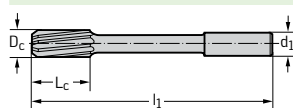
| Обозначение   | D <sub>c</sub><br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h9<br>mm | Z<br>EA |
|---------------|----------------------|----------------------|----------------------|----------------------|----------------------------|---------|
| F1352HUN-2.25 | 2,25                 | 12                   | 53                   | 27                   | 2                          | 4       |
| F1352HUN-2.26 | 2,26                 | 12                   | 53                   | 27                   | 2                          | 4       |
| F1352HUN-2.27 | 2,27                 | 12                   | 53                   | 27                   | 2                          | 4       |
| F1352HUN-2.28 | 2,28                 | 12                   | 53                   | 27                   | 2                          | 4       |
| F1352HUN-2.29 | 2,29                 | 12                   | 53                   | 27                   | 2                          | 4       |
| F1352HUN-2.3  | 2,3                  | 12                   | 53                   | 27                   | 2                          | 4       |
| F1352HUN-2.31 | 2,31                 | 12                   | 53                   | 27                   | 2                          | 4       |
| F1352HUN-2.32 | 2,32                 | 12                   | 53                   | 27                   | 2                          | 4       |
| F1352HUN-2.33 | 2,33                 | 12                   | 53                   | 27                   | 2                          | 4       |
| F1352HUN-2.34 | 2,34                 | 12                   | 53                   | 27                   | 2                          | 4       |
| F1352HUN-2.35 | 2,35                 | 12                   | 53                   | 27                   | 2                          | 4       |
| F1352HUN-2.36 | 2,36                 | 12                   | 53                   | 27                   | 2                          | 4       |
| F1352HUN-2.37 | 2,37                 | 14                   | 57                   | 29                   | 3                          | 4       |
| F1352HUN-2.38 | 2,38                 | 14                   | 57                   | 29                   | 3                          | 4       |
| F1352HUN-2.39 | 2,39                 | 14                   | 57                   | 29                   | 3                          | 4       |
| F1352HUN-2.4  | 2,4                  | 14                   | 57                   | 29                   | 3                          | 4       |
| F1352HUN-2.41 | 2,41                 | 14                   | 57                   | 29                   | 3                          | 4       |
| F1352HUN-2.42 | 2,42                 | 14                   | 57                   | 29                   | 3                          | 4       |
| F1352HUN-2.43 | 2,43                 | 14                   | 57                   | 29                   | 3                          | 4       |
| F1352HUN-2.44 | 2,44                 | 14                   | 57                   | 29                   | 3                          | 4       |
| F1352HUN-2.45 | 2,45                 | 14                   | 57                   | 29                   | 3                          | 4       |
| F1352HUN-2.46 | 2,46                 | 14                   | 57                   | 29                   | 3                          | 4       |
| F1352HUN-2.47 | 2,47                 | 14                   | 57                   | 29                   | 3                          | 4       |
| F1352HUN-2.48 | 2,48                 | 14                   | 57                   | 29                   | 3                          | 4       |
| F1352HUN-2.49 | 2,49                 | 14                   | 57                   | 29                   | 3                          | 4       |
| F1352HUN-2.5  | 2,5                  | 14                   | 57                   | 29                   | 3                          | 4       |
| F1352HUN-2.51 | 2,51                 | 14                   | 57                   | 29                   | 3                          | 4       |
| F1352HUN-2.52 | 2,52                 | 14                   | 57                   | 29                   | 3                          | 4       |
| F1352HUN-2.53 | 2,53                 | 14                   | 57                   | 29                   | 3                          | 4       |
| F1352HUN-2.54 | 2,54                 | 14                   | 57                   | 29                   | 3                          | 4       |
| F1352HUN-2.55 | 2,55                 | 14                   | 57                   | 29                   | 3                          | 4       |
| F1352HUN-2.56 | 2,56                 | 14                   | 57                   | 29                   | 3                          | 4       |
| F1352HUN-2.57 | 2,57                 | 14                   | 57                   | 29                   | 3                          | 4       |
| F1352HUN-2.58 | 2,58                 | 14                   | 57                   | 29                   | 3                          | 4       |
| F1352HUN-2.59 | 2,59                 | 14                   | 57                   | 29                   | 3                          | 4       |
| F1352HUN-2.6  | 2,6                  | 14                   | 57                   | 29                   | 3                          | 4       |
| F1352HUN-2.61 | 2,61                 | 14                   | 57                   | 29                   | 3                          | 4       |
| F1352HUN-2.62 | 2,62                 | 14                   | 57                   | 29                   | 3                          | 4       |
| F1352HUN-2.63 | 2,63                 | 14                   | 57                   | 29                   | 3                          | 4       |
| F1352HUN-2.64 | 2,64                 | 14                   | 57                   | 29                   | 3                          | 4       |
| F1352HUN-2.65 | 2,65                 | 14                   | 57                   | 29                   | 3                          | 4       |
| F1352HUN-2.66 | 2,66                 | 15                   | 61                   | 29                   | 3                          | 6       |
| F1352HUN-2.67 | 2,67                 | 15                   | 61                   | 29                   | 3                          | 6       |
| F1352HUN-2.68 | 2,68                 | 15                   | 61                   | 29                   | 3                          | 6       |
| F1352HUN-2.69 | 2,69                 | 15                   | 61                   | 29                   | 3                          | 6       |
| F1352HUN-2.7  | 2,7                  | 15                   | 61                   | 29                   | 3                          | 6       |

B3

 WALTER  
SELECT

●● Основная область применения    ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки

### Инструмент



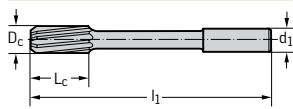
Cylindrical shank

| Обозначение   | D <sub>c</sub><br>мм | L <sub>c</sub><br>мм | l <sub>1</sub><br>мм | l <sub>5</sub><br>мм | d <sub>1</sub><br>h9<br>мм | Z<br>EA |
|---------------|----------------------|----------------------|----------------------|----------------------|----------------------------|---------|
| F1352HUN-2.71 | 2,71                 | 15                   | 61                   | 29                   | 3                          | 6       |
| F1352HUN-2.72 | 2,72                 | 15                   | 61                   | 29                   | 3                          | 6       |
| F1352HUN-2.73 | 2,73                 | 15                   | 61                   | 29                   | 3                          | 6       |
| F1352HUN-2.74 | 2,74                 | 15                   | 61                   | 29                   | 3                          | 6       |
| F1352HUN-2.75 | 2,75                 | 15                   | 61                   | 29                   | 3                          | 6       |
| F1352HUN-2.76 | 2,76                 | 15                   | 61                   | 29                   | 3                          | 6       |
| F1352HUN-2.77 | 2,77                 | 15                   | 61                   | 29                   | 3                          | 6       |
| F1352HUN-2.78 | 2,78                 | 15                   | 61                   | 29                   | 3                          | 6       |
| F1352HUN-2.79 | 2,79                 | 15                   | 61                   | 29                   | 3                          | 6       |
| F1352HUN-2.8  | 2,8                  | 15                   | 61                   | 29                   | 3                          | 6       |
| F1352HUN-2.81 | 2,81                 | 15                   | 61                   | 29                   | 3                          | 6       |
| F1352HUN-2.82 | 2,82                 | 15                   | 61                   | 29                   | 3                          | 6       |
| F1352HUN-2.83 | 2,83                 | 15                   | 61                   | 29                   | 3                          | 6       |
| F1352HUN-2.84 | 2,84                 | 15                   | 61                   | 29                   | 3                          | 6       |
| F1352HUN-2.85 | 2,85                 | 15                   | 61                   | 29                   | 3                          | 6       |
| F1352HUN-2.86 | 2,86                 | 15                   | 61                   | 29                   | 3                          | 6       |
| F1352HUN-2.87 | 2,87                 | 15                   | 61                   | 29                   | 3                          | 6       |
| F1352HUN-2.88 | 2,88                 | 15                   | 61                   | 29                   | 3                          | 6       |
| F1352HUN-2.89 | 2,89                 | 15                   | 61                   | 29                   | 3                          | 6       |
| F1352HUN-2.9  | 2,9                  | 15                   | 61                   | 29                   | 3                          | 6       |
| F1352HUN-2.91 | 2,91                 | 15                   | 61                   | 29                   | 3                          | 6       |
| F1352HUN-2.92 | 2,92                 | 15                   | 61                   | 29                   | 3                          | 6       |
| F1352HUN-2.93 | 2,93                 | 15                   | 61                   | 29                   | 3                          | 6       |
| F1352HUN-2.94 | 2,94                 | 15                   | 61                   | 29                   | 3                          | 6       |
| F1352HUN-2.95 | 2,95                 | 15                   | 61                   | 29                   | 3                          | 6       |
| F1352HUN-2.96 | 2,96                 | 15                   | 61                   | 29                   | 3                          | 6       |
| F1352HUN-2.97 | 2,97                 | 15                   | 61                   | 29                   | 3                          | 6       |
| F1352HUN-2.98 | 2,98                 | 15                   | 61                   | 29                   | 3                          | 6       |
| F1352HUN-2.99 | 2,99                 | 15                   | 61                   | 29                   | 3                          | 6       |
| F1352HUN-3    | 3                    | 15                   | 61                   | 29                   | 3                          | 6       |
| F1352HUN-3.01 | 3,01                 | 16                   | 65                   | 30                   | 3                          | 6       |
| F1352HUN-3.02 | 3,02                 | 16                   | 65                   | 30                   | 3                          | 6       |
| F1352HUN-3.03 | 3,03                 | 16                   | 65                   | 30                   | 3                          | 6       |
| F1352HUN-3.04 | 3,04                 | 16                   | 65                   | 30                   | 3                          | 6       |
| F1352HUN-3.05 | 3,05                 | 16                   | 65                   | 30                   | 3                          | 6       |
| F1352HUN-3.06 | 3,06                 | 16                   | 65                   | 30                   | 3                          | 6       |
| F1352HUN-3.07 | 3,07                 | 16                   | 65                   | 30                   | 3                          | 6       |
| F1352HUN-3.08 | 3,08                 | 16                   | 65                   | 30                   | 3                          | 6       |
| F1352HUN-3.09 | 3,09                 | 16                   | 65                   | 30                   | 3                          | 6       |
| F1352HUN-3.1  | 3,1                  | 16                   | 65                   | 30                   | 3                          | 6       |
| F1352HUN-3.11 | 3,11                 | 16                   | 65                   | 30                   | 3                          | 6       |
| F1352HUN-3.12 | 3,12                 | 16                   | 65                   | 30                   | 3                          | 6       |
| F1352HUN-3.13 | 3,13                 | 16                   | 65                   | 30                   | 3                          | 6       |
| F1352HUN-3.14 | 3,14                 | 16                   | 65                   | 30                   | 3                          | 6       |
| F1352HUN-3.15 | 3,15                 | 16                   | 65                   | 30                   | 3                          | 6       |
| F1352HUN-3.16 | 3,16                 | 16                   | 65                   | 30                   | 3                          | 6       |

B3

●● Основная область применения    ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = 😐 → неблагоприятных = ☹ условий обработки

## Инструмент



Cylindrical shank

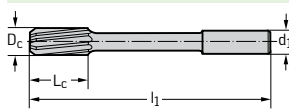
| Обозначение   | D <sub>c</sub><br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h9<br>mm | Z<br>EA |
|---------------|----------------------|----------------------|----------------------|----------------------|----------------------------|---------|
| F1352HUN-3.17 | 3,17                 | 16                   | 65                   | 30                   | 3                          | 6       |
| F1352HUN-3.18 | 3,18                 | 16                   | 65                   | 30                   | 3                          | 6       |
| F1352HUN-3.19 | 3,19                 | 16                   | 65                   | 30                   | 3                          | 6       |
| F1352HUN-3.2  | 3,2                  | 16                   | 65                   | 30                   | 3                          | 6       |
| F1352HUN-3.21 | 3,21                 | 16                   | 65                   | 30                   | 3                          | 6       |
| F1352HUN-3.22 | 3,22                 | 16                   | 65                   | 30                   | 3                          | 6       |
| F1352HUN-3.23 | 3,23                 | 16                   | 65                   | 30                   | 3                          | 6       |
| F1352HUN-3.24 | 3,24                 | 16                   | 65                   | 30                   | 3                          | 6       |
| F1352HUN-3.25 | 3,25                 | 16                   | 65                   | 30                   | 3                          | 6       |
| F1352HUN-3.26 | 3,26                 | 16                   | 65                   | 30                   | 3                          | 6       |
| F1352HUN-3.27 | 3,27                 | 16                   | 65                   | 30                   | 3                          | 6       |
| F1352HUN-3.28 | 3,28                 | 16                   | 65                   | 30                   | 3                          | 6       |
| F1352HUN-3.29 | 3,29                 | 16                   | 65                   | 30                   | 3                          | 6       |
| F1352HUN-3.3  | 3,3                  | 16                   | 65                   | 30                   | 3                          | 6       |
| F1352HUN-3.31 | 3,31                 | 16                   | 65                   | 30                   | 3                          | 6       |
| F1352HUN-3.32 | 3,32                 | 16                   | 65                   | 30                   | 3                          | 6       |
| F1352HUN-3.33 | 3,33                 | 16                   | 65                   | 30                   | 3                          | 6       |
| F1352HUN-3.34 | 3,34                 | 16                   | 65                   | 30                   | 3                          | 6       |
| F1352HUN-3.35 | 3,35                 | 16                   | 65                   | 30                   | 3                          | 6       |
| F1352HUN-3.36 | 3,36                 | 18                   | 70                   | 30                   | 4                          | 6       |
| F1352HUN-3.37 | 3,37                 | 18                   | 70                   | 30                   | 4                          | 6       |
| F1352HUN-3.38 | 3,38                 | 18                   | 70                   | 30                   | 3                          | 6       |
| F1352HUN-3.39 | 3,39                 | 18                   | 70                   | 30                   | 3                          | 6       |
| F1352HUN-3.4  | 3,4                  | 18                   | 70                   | 30                   | 4                          | 6       |
| F1352HUN-3.41 | 3,41                 | 18                   | 70                   | 30                   | 4                          | 6       |
| F1352HUN-3.42 | 3,42                 | 18                   | 70                   | 30                   | 4                          | 6       |
| F1352HUN-3.43 | 3,43                 | 18                   | 70                   | 30                   | 4                          | 6       |
| F1352HUN-3.44 | 3,44                 | 18                   | 70                   | 30                   | 4                          | 6       |
| F1352HUN-3.45 | 3,45                 | 18                   | 70                   | 30                   | 4                          | 6       |
| F1352HUN-3.46 | 3,46                 | 18                   | 70                   | 30                   | 4                          | 6       |
| F1352HUN-3.47 | 3,47                 | 18                   | 70                   | 30                   | 4                          | 6       |
| F1352HUN-3.48 | 3,48                 | 18                   | 70                   | 30                   | 4                          | 6       |
| F1352HUN-3.49 | 3,49                 | 18                   | 70                   | 30                   | 4                          | 6       |
| F1352HUN-3.5  | 3,5                  | 18                   | 70                   | 30                   | 4                          | 6       |
| F1352HUN-3.51 | 3,51                 | 18                   | 70                   | 30                   | 4                          | 6       |
| F1352HUN-3.52 | 3,52                 | 18                   | 70                   | 30                   | 4                          | 6       |
| F1352HUN-3.53 | 3,53                 | 18                   | 70                   | 30                   | 4                          | 6       |
| F1352HUN-3.54 | 3,54                 | 18                   | 70                   | 30                   | 4                          | 6       |
| F1352HUN-3.55 | 3,55                 | 18                   | 70                   | 30                   | 4                          | 6       |
| F1352HUN-3.56 | 3,56                 | 18                   | 70                   | 30                   | 4                          | 6       |
| F1352HUN-3.57 | 3,57                 | 18                   | 70                   | 30                   | 4                          | 6       |
| F1352HUN-3.58 | 3,58                 | 18                   | 70                   | 30                   | 4                          | 6       |
| F1352HUN-3.59 | 3,59                 | 18                   | 70                   | 30                   | 4                          | 6       |
| F1352HUN-3.61 | 3,61                 | 18                   | 70                   | 30                   | 4                          | 6       |
| F1352HUN-3.62 | 3,62                 | 18                   | 70                   | 30                   | 4                          | 6       |
| F1352HUN-3.63 | 3,63                 | 18                   | 70                   | 30                   | 4                          | 6       |

B3

 WALTER  
SELECT

●● Основная область применения    ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки

## Инструмент



Cylindrical shank

| Обозначение   | D <sub>c</sub><br>мм | L <sub>c</sub><br>мм | l <sub>1</sub><br>мм | l <sub>5</sub><br>мм | d <sub>1</sub><br>h9<br>мм | Z<br>EA |
|---------------|----------------------|----------------------|----------------------|----------------------|----------------------------|---------|
| F1352HUN-3.64 | 3,64                 | 18                   | 70                   | 30                   | 4                          | 6       |
| F1352HUN-3.65 | 3,65                 | 18                   | 70                   | 30                   | 4                          | 6       |
| F1352HUN-3.66 | 3,66                 | 18                   | 70                   | 30                   | 4                          | 6       |
| F1352HUN-3.67 | 3,67                 | 18                   | 70                   | 30                   | 4                          | 6       |
| F1352HUN-3.68 | 3,68                 | 18                   | 70                   | 30                   | 4                          | 6       |
| F1352HUN-3.69 | 3,69                 | 18                   | 70                   | 30                   | 4                          | 6       |
| F1352HUN-3.71 | 3,71                 | 18                   | 70                   | 30                   | 4                          | 6       |
| F1352HUN-3.72 | 3,72                 | 18                   | 70                   | 30                   | 4                          | 6       |
| F1352HUN-3.73 | 3,73                 | 18                   | 70                   | 30                   | 4                          | 6       |
| F1352HUN-3.74 | 3,74                 | 18                   | 70                   | 30                   | 4                          | 6       |
| F1352HUN-3.75 | 3,75                 | 18                   | 70                   | 30                   | 4                          | 6       |
| F1352HUN-3.76 | 3,76                 | 19                   | 75                   | 32                   | 4                          | 6       |
| F1352HUN-3.77 | 3,77                 | 19                   | 75                   | 32                   | 4                          | 6       |
| F1352HUN-3.78 | 3,78                 | 19                   | 75                   | 32                   | 4                          | 6       |
| F1352HUN-3.79 | 3,79                 | 19                   | 75                   | 32                   | 4                          | 6       |
| F1352HUN-3.81 | 3,81                 | 19                   | 75                   | 32                   | 4                          | 6       |
| F1352HUN-3.82 | 3,82                 | 19                   | 75                   | 32                   | 4                          | 6       |
| F1352HUN-3.83 | 3,83                 | 19                   | 75                   | 32                   | 4                          | 6       |
| F1352HUN-3.84 | 3,84                 | 19                   | 75                   | 32                   | 4                          | 6       |
| F1352HUN-3.85 | 3,85                 | 19                   | 75                   | 32                   | 4                          | 6       |
| F1352HUN-3.86 | 3,86                 | 19                   | 75                   | 32                   | 4                          | 6       |
| F1352HUN-3.87 | 3,87                 | 19                   | 75                   | 32                   | 4                          | 6       |
| F1352HUN-3.88 | 3,88                 | 19                   | 75                   | 32                   | 4                          | 6       |
| F1352HUN-3.89 | 3,89                 | 19                   | 75                   | 32                   | 4                          | 6       |
| F1352HUN-3.9  | 3,9                  | 19                   | 75                   | 32                   | 4                          | 6       |
| F1352HUN-3.91 | 3,91                 | 19                   | 75                   | 32                   | 4                          | 6       |
| F1352HUN-3.92 | 3,92                 | 19                   | 75                   | 32                   | 4                          | 6       |
| F1352HUN-3.93 | 3,93                 | 19                   | 75                   | 32                   | 4                          | 6       |
| F1352HUN-3.94 | 3,94                 | 19                   | 75                   | 32                   | 4                          | 6       |
| F1352HUN-3.95 | 3,95                 | 19                   | 75                   | 32                   | 4                          | 6       |
| F1352HUN-3.96 | 3,96                 | 19                   | 75                   | 32                   | 4                          | 6       |
| F1352HUN-3.97 | 3,97                 | 19                   | 75                   | 32                   | 4                          | 6       |
| F1352HUN-3.98 | 3,98                 | 19                   | 75                   | 32                   | 4                          | 6       |
| F1352HUN-3.99 | 3,99                 | 19                   | 75                   | 32                   | 4                          | 6       |
| F1352HUN-4    | 4                    | 19                   | 75                   | 32                   | 4                          | 6       |
| F1352HUN-4.01 | 4,01                 | 19                   | 75                   | 32                   | 4                          | 6       |
| F1352HUN-4.02 | 4,02                 | 19                   | 75                   | 32                   | 4                          | 6       |
| F1352HUN-4.03 | 4,03                 | 19                   | 75                   | 32                   | 4                          | 6       |
| F1352HUN-4.04 | 4,04                 | 19                   | 75                   | 32                   | 4                          | 6       |
| F1352HUN-4.05 | 4,05                 | 19                   | 75                   | 32                   | 4                          | 6       |
| F1352HUN-4.06 | 4,06                 | 19                   | 75                   | 32                   | 4                          | 6       |
| F1352HUN-4.07 | 4,07                 | 19                   | 75                   | 32                   | 4                          | 6       |
| F1352HUN-4.08 | 4,08                 | 19                   | 75                   | 32                   | 4                          | 6       |
| F1352HUN-4.09 | 4,09                 | 19                   | 75                   | 32                   | 4                          | 6       |
| F1352HUN-4.1  | 4,1                  | 19                   | 75                   | 32                   | 4                          | 6       |
| F1352HUN-4.11 | 4,11                 | 19                   | 75                   | 32                   | 4                          | 6       |

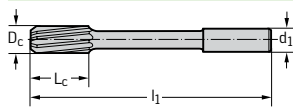
B3

WALTER  
SELECT

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки

☺ ☹ ☹☹ / ★ = Новый инструмент

Развертки твердосплавные и быстрорежущие B 631

**Инструмент**


Cylindrical shank

| Обозначение   | D <sub>c</sub><br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h9<br>mm | Z<br>EA |
|---------------|----------------------|----------------------|----------------------|----------------------|----------------------------|---------|
| F1352HUN-4.12 | 4,12                 | 19                   | 75                   | 32                   | 4                          | 6       |
| F1352HUN-4.13 | 4,13                 | 19                   | 75                   | 32                   | 4                          | 6       |
| F1352HUN-4.14 | 4,14                 | 19                   | 75                   | 32                   | 4                          | 6       |
| F1352HUN-4.15 | 4,15                 | 19                   | 75                   | 32                   | 4                          | 6       |
| F1352HUN-4.16 | 4,16                 | 19                   | 75                   | 32                   | 4                          | 6       |
| F1352HUN-4.17 | 4,17                 | 19                   | 75                   | 32                   | 4                          | 6       |
| F1352HUN-4.18 | 4,18                 | 19                   | 75                   | 32                   | 4                          | 6       |
| F1352HUN-4.19 | 4,19                 | 19                   | 75                   | 32                   | 4                          | 6       |
| F1352HUN-4.2  | 4,2                  | 19                   | 75                   | 32                   | 4                          | 6       |
| F1352HUN-4.21 | 4,21                 | 19                   | 75                   | 32                   | 4                          | 6       |
| F1352HUN-4.22 | 4,22                 | 19                   | 75                   | 32                   | 4                          | 6       |
| F1352HUN-4.23 | 4,23                 | 19                   | 75                   | 32                   | 4                          | 6       |
| F1352HUN-4.24 | 4,24                 | 19                   | 75                   | 32                   | 4                          | 6       |
| F1352HUN-4.25 | 4,25                 | 19                   | 75                   | 32                   | 4                          | 6       |
| F1352HUN-4.26 | 4,26                 | 21                   | 80                   | 33                   | 5                          | 6       |
| F1352HUN-4.27 | 4,27                 | 21                   | 80                   | 33                   | 5                          | 6       |
| F1352HUN-4.28 | 4,28                 | 21                   | 80                   | 33                   | 5                          | 6       |
| F1352HUN-4.29 | 4,29                 | 21                   | 80                   | 33                   | 5                          | 6       |
| F1352HUN-4.3  | 4,3                  | 21                   | 80                   | 33                   | 5                          | 6       |
| F1352HUN-4.31 | 4,31                 | 21                   | 80                   | 33                   | 5                          | 6       |
| F1352HUN-4.32 | 4,32                 | 21                   | 80                   | 33                   | 5                          | 6       |
| F1352HUN-4.33 | 4,33                 | 21                   | 80                   | 33                   | 5                          | 6       |
| F1352HUN-4.34 | 4,34                 | 21                   | 80                   | 33                   | 5                          | 6       |
| F1352HUN-4.35 | 4,35                 | 21                   | 80                   | 33                   | 5                          | 6       |
| F1352HUN-4.36 | 4,36                 | 21                   | 80                   | 33                   | 5                          | 6       |
| F1352HUN-4.37 | 4,37                 | 21                   | 80                   | 33                   | 5                          | 6       |
| F1352HUN-4.38 | 4,38                 | 21                   | 80                   | 33                   | 5                          | 6       |
| F1352HUN-4.39 | 4,39                 | 21                   | 80                   | 33                   | 5                          | 6       |
| F1352HUN-4.41 | 4,41                 | 21                   | 80                   | 33                   | 5                          | 6       |
| F1352HUN-4.42 | 4,42                 | 21                   | 80                   | 33                   | 5                          | 6       |
| F1352HUN-4.43 | 4,43                 | 21                   | 80                   | 33                   | 5                          | 6       |
| F1352HUN-4.44 | 4,44                 | 21                   | 80                   | 33                   | 5                          | 6       |
| F1352HUN-4.45 | 4,45                 | 21                   | 80                   | 33                   | 5                          | 6       |
| F1352HUN-4.46 | 4,46                 | 21                   | 80                   | 33                   | 5                          | 6       |
| F1352HUN-4.47 | 4,47                 | 21                   | 80                   | 33                   | 5                          | 6       |
| F1352HUN-4.48 | 4,48                 | 21                   | 80                   | 33                   | 5                          | 6       |
| F1352HUN-4.49 | 4,49                 | 21                   | 80                   | 33                   | 5                          | 6       |
| F1352HUN-4.5  | 4,5                  | 21                   | 80                   | 33                   | 5                          | 6       |
| F1352HUN-4.51 | 4,51                 | 21                   | 80                   | 33                   | 5                          | 6       |
| F1352HUN-4.52 | 4,52                 | 21                   | 80                   | 33                   | 5                          | 6       |
| F1352HUN-4.53 | 4,53                 | 21                   | 80                   | 33                   | 5                          | 6       |
| F1352HUN-4.54 | 4,54                 | 21                   | 80                   | 33                   | 5                          | 6       |
| F1352HUN-4.55 | 4,55                 | 21                   | 80                   | 33                   | 5                          | 6       |
| F1352HUN-4.56 | 4,56                 | 21                   | 80                   | 33                   | 5                          | 6       |
| F1352HUN-4.57 | 4,57                 | 21                   | 80                   | 33                   | 5                          | 6       |
| F1352HUN-4.58 | 4,58                 | 21                   | 80                   | 33                   | 5                          | 6       |

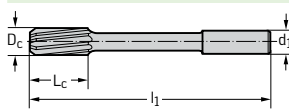
B3

**WALTER  
SELECT**

●● Основная область применения    ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки



## Инструмент



Cylindrical shank

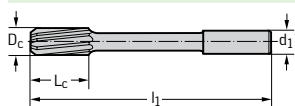
| Обозначение   | D <sub>c</sub><br>мм | L <sub>c</sub><br>мм | l <sub>1</sub><br>мм | l <sub>5</sub><br>мм | d <sub>1</sub><br>h9<br>мм | Z<br>EA |
|---------------|----------------------|----------------------|----------------------|----------------------|----------------------------|---------|
| F1352HUN-4.59 | 4,59                 | 21                   | 80                   | 33                   | 5                          | 6       |
| F1352HUN-4.61 | 4,61                 | 21                   | 80                   | 33                   | 5                          | 6       |
| F1352HUN-4.62 | 4,62                 | 21                   | 80                   | 33                   | 5                          | 6       |
| F1352HUN-4.63 | 4,63                 | 21                   | 80                   | 33                   | 5                          | 6       |
| F1352HUN-4.64 | 4,64                 | 21                   | 80                   | 33                   | 5                          | 6       |
| F1352HUN-4.65 | 4,65                 | 21                   | 80                   | 33                   | 5                          | 6       |
| F1352HUN-4.66 | 4,66                 | 21                   | 80                   | 33                   | 5                          | 6       |
| F1352HUN-4.67 | 4,67                 | 21                   | 80                   | 33                   | 5                          | 6       |
| F1352HUN-4.68 | 4,68                 | 21                   | 80                   | 33                   | 5                          | 6       |
| F1352HUN-4.69 | 4,69                 | 21                   | 80                   | 33                   | 5                          | 6       |
| F1352HUN-4.71 | 4,71                 | 21                   | 80                   | 33                   | 5                          | 6       |
| F1352HUN-4.72 | 4,72                 | 21                   | 80                   | 33                   | 5                          | 6       |
| F1352HUN-4.73 | 4,73                 | 21                   | 80                   | 33                   | 5                          | 6       |
| F1352HUN-4.74 | 4,74                 | 21                   | 80                   | 33                   | 5                          | 6       |
| F1352HUN-4.75 | 4,75                 | 21                   | 80                   | 33                   | 5                          | 6       |
| F1352HUN-4.76 | 4,76                 | 23                   | 86                   | 34                   | 5                          | 6       |
| F1352HUN-4.77 | 4,77                 | 23                   | 86                   | 34                   | 5                          | 6       |
| F1352HUN-4.78 | 4,78                 | 23                   | 86                   | 34                   | 5                          | 6       |
| F1352HUN-4.79 | 4,79                 | 23                   | 86                   | 34                   | 5                          | 6       |
| F1352HUN-4.8  | 4,8                  | 23                   | 86                   | 34                   | 5                          | 6       |
| F1352HUN-4.81 | 4,81                 | 23                   | 86                   | 34                   | 5                          | 6       |
| F1352HUN-4.82 | 4,82                 | 23                   | 86                   | 34                   | 5                          | 6       |
| F1352HUN-4.83 | 4,83                 | 23                   | 86                   | 34                   | 5                          | 6       |
| F1352HUN-4.84 | 4,84                 | 23                   | 86                   | 34                   | 5                          | 6       |
| F1352HUN-4.85 | 4,85                 | 23                   | 86                   | 34                   | 5                          | 6       |
| F1352HUN-4.86 | 4,86                 | 23                   | 86                   | 34                   | 5                          | 6       |
| F1352HUN-4.87 | 4,87                 | 23                   | 86                   | 34                   | 5                          | 6       |
| F1352HUN-4.88 | 4,88                 | 23                   | 86                   | 34                   | 5                          | 6       |
| F1352HUN-4.89 | 4,89                 | 23                   | 86                   | 34                   | 5                          | 6       |
| F1352HUN-4.9  | 4,9                  | 23                   | 86                   | 34                   | 5                          | 6       |
| F1352HUN-4.91 | 4,91                 | 23                   | 86                   | 34                   | 5                          | 6       |
| F1352HUN-4.92 | 4,92                 | 23                   | 86                   | 34                   | 5                          | 6       |
| F1352HUN-4.93 | 4,93                 | 23                   | 86                   | 34                   | 5                          | 6       |
| F1352HUN-4.94 | 4,94                 | 23                   | 86                   | 34                   | 5                          | 6       |
| F1352HUN-4.95 | 4,95                 | 23                   | 86                   | 34                   | 5                          | 6       |
| F1352HUN-4.96 | 4,96                 | 23                   | 86                   | 34                   | 5                          | 6       |
| F1352HUN-4.97 | 4,97                 | 23                   | 86                   | 34                   | 5                          | 6       |
| F1352HUN-4.98 | 4,98                 | 23                   | 86                   | 34                   | 5                          | 6       |
| F1352HUN-4.99 | 4,99                 | 23                   | 86                   | 34                   | 5                          | 6       |
| F1352HUN-5    | 5                    | 23                   | 86                   | 34                   | 5                          | 6       |
| F1352HUN-5.01 | 5,01                 | 23                   | 86                   | 34                   | 5                          | 6       |
| F1352HUN-5.02 | 5,02                 | 23                   | 86                   | 34                   | 5                          | 6       |
| F1352HUN-5.03 | 5,03                 | 23                   | 86                   | 34                   | 5                          | 6       |
| F1352HUN-5.04 | 5,04                 | 23                   | 86                   | 34                   | 5                          | 6       |
| F1352HUN-5.05 | 5,05                 | 23                   | 86                   | 34                   | 5                          | 6       |
| F1352HUN-5.06 | 5,06                 | 23                   | 86                   | 34                   | 5                          | 6       |

B3

WALTER  
SELECT

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

## Инструмент



Cylindrical shank

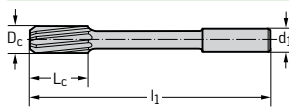
| Обозначение   | D <sub>c</sub><br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h9<br>mm | Z<br>EA |
|---------------|----------------------|----------------------|----------------------|----------------------|----------------------------|---------|
| F1352HUN-5.07 | 5,07                 | 23                   | 86                   | 34                   | 5                          | 6       |
| F1352HUN-5.08 | 5,08                 | 23                   | 86                   | 34                   | 5                          | 6       |
| F1352HUN-5.09 | 5,09                 | 23                   | 86                   | 34                   | 5                          | 6       |
| F1352HUN-5.1  | 5,1                  | 23                   | 86                   | 34                   | 5                          | 6       |
| F1352HUN-5.11 | 5,11                 | 23                   | 86                   | 34                   | 5                          | 6       |
| F1352HUN-5.12 | 5,12                 | 23                   | 86                   | 34                   | 5                          | 6       |
| F1352HUN-5.13 | 5,13                 | 23                   | 86                   | 34                   | 5                          | 6       |
| F1352HUN-5.14 | 5,14                 | 23                   | 86                   | 34                   | 5                          | 6       |
| F1352HUN-5.15 | 5,15                 | 23                   | 86                   | 34                   | 5                          | 6       |
| F1352HUN-5.16 | 5,16                 | 23                   | 86                   | 34                   | 5                          | 6       |
| F1352HUN-5.17 | 5,17                 | 23                   | 86                   | 34                   | 5                          | 6       |
| F1352HUN-5.18 | 5,18                 | 23                   | 86                   | 34                   | 5                          | 6       |
| F1352HUN-5.19 | 5,19                 | 23                   | 86                   | 34                   | 5                          | 6       |
| F1352HUN-5.2  | 5,2                  | 23                   | 86                   | 34                   | 5                          | 6       |
| F1352HUN-5.21 | 5,21                 | 23                   | 86                   | 34                   | 5                          | 6       |
| F1352HUN-5.22 | 5,22                 | 23                   | 86                   | 34                   | 5                          | 6       |
| F1352HUN-5.23 | 5,23                 | 23                   | 86                   | 34                   | 5                          | 6       |
| F1352HUN-5.24 | 5,24                 | 23                   | 86                   | 34                   | 5                          | 6       |
| F1352HUN-5.25 | 5,25                 | 23                   | 86                   | 34                   | 5                          | 6       |
| F1352HUN-5.26 | 5,26                 | 23                   | 86                   | 34                   | 5                          | 6       |
| F1352HUN-5.27 | 5,27                 | 23                   | 86                   | 34                   | 5                          | 6       |
| F1352HUN-5.28 | 5,28                 | 23                   | 86                   | 34                   | 5                          | 6       |
| F1352HUN-5.29 | 5,29                 | 23                   | 86                   | 34                   | 5                          | 6       |
| F1352HUN-5.31 | 5,31                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.32 | 5,32                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.33 | 5,33                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.34 | 5,34                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.35 | 5,35                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.36 | 5,36                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.37 | 5,37                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.38 | 5,38                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.39 | 5,39                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.41 | 5,41                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.42 | 5,42                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.43 | 5,43                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.44 | 5,44                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.45 | 5,45                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.46 | 5,46                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.47 | 5,47                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.48 | 5,48                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.49 | 5,49                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.5  | 5,5                  | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.51 | 5,51                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.52 | 5,52                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.53 | 5,53                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.54 | 5,54                 | 26                   | 93                   | 36                   | 6                          | 6       |

B3

 WALTER  
SELECT

●● Основная область применения    ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки

## Инструмент



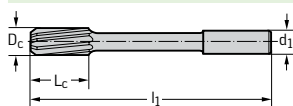
Cylindrical shank

| Обозначение   | D <sub>c</sub><br>мм | L <sub>c</sub><br>мм | l <sub>1</sub><br>мм | l <sub>5</sub><br>мм | d <sub>1</sub><br>h9<br>мм | Z<br>EA |
|---------------|----------------------|----------------------|----------------------|----------------------|----------------------------|---------|
| F1352HUN-5.55 | 5,55                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.56 | 5,56                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.57 | 5,57                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.58 | 5,58                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.59 | 5,59                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.6  | 5,6                  | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.61 | 5,61                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.62 | 5,62                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.63 | 5,63                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.64 | 5,64                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.65 | 5,65                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.66 | 5,66                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.67 | 5,67                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.68 | 5,68                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.69 | 5,69                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.71 | 5,71                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.72 | 5,72                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.73 | 5,73                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.74 | 5,74                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.75 | 5,75                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.76 | 5,76                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.77 | 5,77                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.78 | 5,78                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.79 | 5,79                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.81 | 5,81                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.82 | 5,82                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.83 | 5,83                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.84 | 5,84                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.85 | 5,85                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.86 | 5,86                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.87 | 5,87                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.88 | 5,88                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.89 | 5,89                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.91 | 5,91                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.92 | 5,92                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.93 | 5,93                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.94 | 5,94                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.95 | 5,95                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.96 | 5,96                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.97 | 5,97                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.98 | 5,98                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-5.99 | 5,99                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-6    | 6                    | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-6.01 | 6,01                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-6.02 | 6,02                 | 26                   | 93                   | 36                   | 6                          | 6       |
| F1352HUN-6.03 | 6,03                 | 26                   | 93                   | 36                   | 6                          | 6       |

B3

WALTER  
SELECT

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки

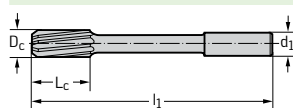
**Инструмент**


Cylindrical shank

| Обозначение   | D <sub>c</sub><br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h9<br>mm | Z<br>EA |
|---------------|----------------------|----------------------|----------------------|----------------------|----------------------------|---------|
| F1352HUN-6.04 | 6,04                 | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.05 | 6,05                 | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.06 | 6,06                 | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.07 | 6,07                 | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.08 | 6,08                 | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.09 | 6,09                 | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.1  | 6,1                  | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.11 | 6,11                 | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.12 | 6,12                 | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.13 | 6,13                 | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.14 | 6,14                 | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.15 | 6,15                 | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.16 | 6,16                 | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.17 | 6,17                 | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.18 | 6,18                 | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.19 | 6,19                 | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.2  | 6,2                  | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.21 | 6,21                 | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.22 | 6,22                 | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.23 | 6,23                 | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.24 | 6,24                 | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.25 | 6,25                 | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.26 | 6,26                 | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.27 | 6,27                 | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.28 | 6,28                 | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.29 | 6,29                 | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.31 | 6,31                 | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.32 | 6,32                 | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.33 | 6,33                 | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.34 | 6,34                 | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.35 | 6,35                 | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.36 | 6,36                 | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.37 | 6,37                 | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.38 | 6,38                 | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.39 | 6,39                 | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.4  | 6,4                  | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.41 | 6,41                 | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.42 | 6,42                 | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.43 | 6,43                 | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.44 | 6,44                 | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.45 | 6,45                 | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.46 | 6,46                 | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.47 | 6,47                 | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.48 | 6,48                 | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.49 | 6,49                 | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.51 | 6,51                 | 28                   | 101                  | 38                   | 6                          | 6       |

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## Инструмент



Cylindrical shank

| Обозначение   | D <sub>c</sub><br>мм | L <sub>c</sub><br>мм | l <sub>1</sub><br>мм | l <sub>5</sub><br>мм | d <sub>1</sub><br>h9<br>мм | Z<br>EA |
|---------------|----------------------|----------------------|----------------------|----------------------|----------------------------|---------|
| F1352HUN-6.52 | 6,52                 | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.53 | 6,53                 | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.54 | 6,54                 | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.55 | 6,55                 | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.56 | 6,56                 | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.57 | 6,57                 | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.58 | 6,58                 | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.59 | 6,59                 | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.61 | 6,61                 | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.62 | 6,62                 | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.63 | 6,63                 | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.64 | 6,64                 | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.65 | 6,65                 | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.66 | 6,66                 | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.67 | 6,67                 | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.68 | 6,68                 | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.69 | 6,69                 | 28                   | 101                  | 38                   | 6                          | 6       |
| F1352HUN-6.71 | 6,71                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-6.72 | 6,72                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-6.73 | 6,73                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-6.74 | 6,74                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-6.75 | 6,75                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-6.76 | 6,76                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-6.77 | 6,77                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-6.78 | 6,78                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-6.79 | 6,79                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-6.81 | 6,81                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-6.82 | 6,82                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-6.83 | 6,83                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-6.84 | 6,84                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-6.85 | 6,85                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-6.86 | 6,86                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-6.87 | 6,87                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-6.88 | 6,88                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-6.89 | 6,89                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-6.91 | 6,91                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-6.92 | 6,92                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-6.93 | 6,93                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-6.94 | 6,94                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-6.95 | 6,95                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-6.96 | 6,96                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-6.97 | 6,97                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-6.98 | 6,98                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-6.99 | 6,99                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-7    | 7                    | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-7.01 | 7,01                 | 31                   | 109                  | 40                   | 7                          | 6       |

B3

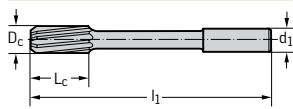
WALTER  
SELECT

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условия обработки

☺ ☹ ☹ / \* = Новый инструмент

Развертки твердосплавные и быстрорежущие B 637

## Инструмент



Cylindrical shank

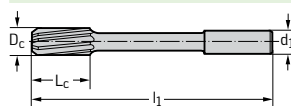
| Обозначение   | D <sub>c</sub><br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h9<br>mm | Z<br>EA |
|---------------|----------------------|----------------------|----------------------|----------------------|----------------------------|---------|
| F1352HUN-7.02 | 7,02                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-7.03 | 7,03                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-7.04 | 7,04                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-7.05 | 7,05                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-7.06 | 7,06                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-7.07 | 7,07                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-7.08 | 7,08                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-7.09 | 7,09                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-7.11 | 7,11                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-7.12 | 7,12                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-7.13 | 7,13                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-7.14 | 7,14                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-7.15 | 7,15                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-7.16 | 7,16                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-7.17 | 7,17                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-7.18 | 7,18                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-7.19 | 7,19                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-7.21 | 7,21                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-7.22 | 7,22                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-7.23 | 7,23                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-7.24 | 7,24                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-7.25 | 7,25                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-7.26 | 7,26                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-7.27 | 7,27                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-7.28 | 7,28                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-7.29 | 7,29                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-7.31 | 7,31                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-7.32 | 7,32                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-7.33 | 7,33                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-7.34 | 7,34                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-7.35 | 7,35                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-7.36 | 7,36                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-7.37 | 7,37                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-7.38 | 7,38                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-7.39 | 7,39                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-7.41 | 7,41                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-7.42 | 7,42                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-7.43 | 7,43                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-7.44 | 7,44                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-7.45 | 7,45                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-7.46 | 7,46                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-7.47 | 7,47                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-7.48 | 7,48                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-7.49 | 7,49                 | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-7.5  | 7,5                  | 31                   | 109                  | 40                   | 7                          | 6       |
| F1352HUN-7.51 | 7,51                 | 33                   | 117                  | 42                   | 8                          | 6       |

B3

 WALTER  
SELECT

●● Основная область применения    ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки

## Инструмент



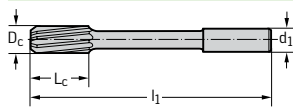
Cylindrical shank

| Обозначение   | D <sub>c</sub><br>мм | L <sub>c</sub><br>мм | l <sub>1</sub><br>мм | l <sub>5</sub><br>мм | d <sub>1</sub><br>h9<br>мм | Z<br>EA |
|---------------|----------------------|----------------------|----------------------|----------------------|----------------------------|---------|
| F1352HUN-7.52 | 7,52                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-7.53 | 7,53                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-7.54 | 7,54                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-7.55 | 7,55                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-7.56 | 7,56                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-7.57 | 7,57                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-7.58 | 7,58                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-7.59 | 7,59                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-7.61 | 7,61                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-7.62 | 7,62                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-7.63 | 7,63                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-7.64 | 7,64                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-7.65 | 7,65                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-7.66 | 7,66                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-7.67 | 7,67                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-7.68 | 7,68                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-7.69 | 7,69                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-7.71 | 7,71                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-7.72 | 7,72                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-7.73 | 7,73                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-7.74 | 7,74                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-7.75 | 7,75                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-7.76 | 7,76                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-7.77 | 7,77                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-7.78 | 7,78                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-7.79 | 7,79                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-7.81 | 7,81                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-7.82 | 7,82                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-7.83 | 7,83                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-7.84 | 7,84                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-7.85 | 7,85                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-7.86 | 7,86                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-7.87 | 7,87                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-7.88 | 7,88                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-7.89 | 7,89                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-7.91 | 7,91                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-7.92 | 7,92                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-7.93 | 7,93                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-7.94 | 7,94                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-7.95 | 7,95                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-7.96 | 7,96                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-7.97 | 7,97                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-7.98 | 7,98                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-7.99 | 7,99                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-8    | 8                    | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-8.01 | 8,01                 | 33                   | 117                  | 42                   | 8                          | 6       |

B 3

WALTER  
SELECT

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки

**Инструмент**


Cylindrical shank

| Обозначение   | D <sub>c</sub><br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h9<br>mm | Z<br>EA |
|---------------|----------------------|----------------------|----------------------|----------------------|----------------------------|---------|
| F1352HUN-8.02 | 8,02                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-8.03 | 8,03                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-8.04 | 8,04                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-8.05 | 8,05                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-8.06 | 8,06                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-8.07 | 8,07                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-8.08 | 8,08                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-8.09 | 8,09                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-8.1  | 8,1                  | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-8.11 | 8,11                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-8.12 | 8,12                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-8.13 | 8,13                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-8.14 | 8,14                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-8.15 | 8,15                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-8.16 | 8,16                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-8.17 | 8,17                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-8.18 | 8,18                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-8.19 | 8,19                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-8.2  | 8,2                  | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-8.21 | 8,21                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-8.22 | 8,22                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-8.23 | 8,23                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-8.24 | 8,24                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-8.25 | 8,25                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-8.26 | 8,26                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-8.27 | 8,27                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-8.28 | 8,28                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-8.29 | 8,29                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-8.3  | 8,3                  | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-8.31 | 8,31                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-8.32 | 8,32                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-8.33 | 8,33                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-8.34 | 8,34                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-8.35 | 8,35                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-8.36 | 8,36                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-8.37 | 8,37                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-8.38 | 8,38                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-8.39 | 8,39                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-8.41 | 8,41                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-8.42 | 8,42                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-8.43 | 8,43                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-8.44 | 8,44                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-8.45 | 8,45                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-8.46 | 8,46                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-8.47 | 8,47                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-8.48 | 8,48                 | 33                   | 117                  | 42                   | 8                          | 6       |

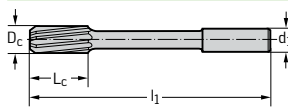
B3

**WALTER  
SELECT**

●● Основная область применения    ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹☹ условий обработки



## Инструмент



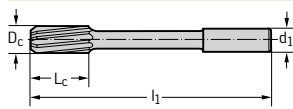
Cylindrical shank

| Обозначение   | D <sub>c</sub><br>мм | L <sub>c</sub><br>мм | l <sub>1</sub><br>мм | l <sub>5</sub><br>мм | d <sub>1</sub><br>h9<br>мм | Z<br>EA |
|---------------|----------------------|----------------------|----------------------|----------------------|----------------------------|---------|
| F1352HUN-8.49 | 8,49                 | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-8.5  | 8,5                  | 33                   | 117                  | 42                   | 8                          | 6       |
| F1352HUN-8.51 | 8,51                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-8.52 | 8,52                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-8.53 | 8,53                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-8.54 | 8,54                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-8.55 | 8,55                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-8.56 | 8,56                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-8.57 | 8,57                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-8.58 | 8,58                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-8.59 | 8,59                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-8.61 | 8,61                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-8.62 | 8,62                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-8.63 | 8,63                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-8.64 | 8,64                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-8.65 | 8,65                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-8.66 | 8,66                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-8.67 | 8,67                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-8.68 | 8,68                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-8.69 | 8,69                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-8.71 | 8,71                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-8.72 | 8,72                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-8.73 | 8,73                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-8.74 | 8,74                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-8.75 | 8,75                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-8.76 | 8,76                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-8.77 | 8,77                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-8.78 | 8,78                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-8.79 | 8,79                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-8.81 | 8,81                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-8.82 | 8,82                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-8.83 | 8,83                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-8.84 | 8,84                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-8.85 | 8,85                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-8.86 | 8,86                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-8.87 | 8,87                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-8.88 | 8,88                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-8.89 | 8,89                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-8.91 | 8,91                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-8.92 | 8,92                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-8.93 | 8,93                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-8.94 | 8,94                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-8.95 | 8,95                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-8.96 | 8,96                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-8.97 | 8,97                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-8.98 | 8,98                 | 36                   | 125                  | 44                   | 9                          | 6       |

B3

WALTER  
SELECT

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

**Инструмент**


Cylindrical shank

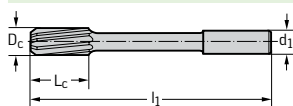
| Обозначение   | D <sub>c</sub><br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h9<br>mm | Z<br>EA |
|---------------|----------------------|----------------------|----------------------|----------------------|----------------------------|---------|
| F1352HUN-8.99 | 8,99                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-9    | 9                    | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-9.01 | 9,01                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-9.02 | 9,02                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-9.03 | 9,03                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-9.04 | 9,04                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-9.05 | 9,05                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-9.06 | 9,06                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-9.07 | 9,07                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-9.08 | 9,08                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-9.09 | 9,09                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-9.11 | 9,11                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-9.12 | 9,12                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-9.13 | 9,13                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-9.14 | 9,14                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-9.15 | 9,15                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-9.16 | 9,16                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-9.17 | 9,17                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-9.18 | 9,18                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-9.19 | 9,19                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-9.21 | 9,21                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-9.22 | 9,22                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-9.23 | 9,23                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-9.24 | 9,24                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-9.25 | 9,25                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-9.26 | 9,26                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-9.27 | 9,27                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-9.28 | 9,28                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-9.29 | 9,29                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-9.31 | 9,31                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-9.32 | 9,32                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-9.33 | 9,33                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-9.34 | 9,34                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-9.35 | 9,35                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-9.36 | 9,36                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-9.37 | 9,37                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-9.38 | 9,38                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-9.39 | 9,39                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-9.41 | 9,41                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-9.42 | 9,42                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-9.43 | 9,43                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-9.44 | 9,44                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-9.45 | 9,45                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-9.46 | 9,46                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-9.47 | 9,47                 | 36                   | 125                  | 44                   | 9                          | 6       |
| F1352HUN-9.48 | 9,48                 | 36                   | 125                  | 44                   | 9                          | 6       |

B3

**WALTER  
SELECT**

●● Основная область применения   
 ● Возможная область применения  
 Оптимально подходит для → хороших = 😊 → нормальных = 😐 → неблагоприятных = ☹️ условий обработки

| Инструмент | Обозначение   | D <sub>c</sub><br>мм | L <sub>c</sub><br>мм | l <sub>1</sub><br>мм | l <sub>5</sub><br>мм | d <sub>1</sub><br>h9<br>мм | Z<br>EA |
|------------|---------------|----------------------|----------------------|----------------------|----------------------|----------------------------|---------|
|            | F1352HUN-9.49 | 9,49                 | 36                   | 125                  | 44                   | 9                          | 6       |
|            | F1352HUN-9.51 | 9,51                 | 38                   | 133                  | 46                   | 10                         | 6       |
|            | F1352HUN-9.52 | 9,52                 | 38                   | 133                  | 46                   | 10                         | 6       |
|            | F1352HUN-9.53 | 9,53                 | 38                   | 133                  | 46                   | 10                         | 6       |
|            | F1352HUN-9.54 | 9,54                 | 38                   | 133                  | 46                   | 10                         | 6       |
|            | F1352HUN-9.55 | 9,55                 | 38                   | 133                  | 46                   | 10                         | 6       |
|            | F1352HUN-9.56 | 9,56                 | 38                   | 133                  | 46                   | 10                         | 6       |
|            | F1352HUN-9.57 | 9,57                 | 38                   | 133                  | 46                   | 10                         | 6       |
|            | F1352HUN-9.58 | 9,58                 | 38                   | 133                  | 46                   | 10                         | 6       |
|            | F1352HUN-9.59 | 9,59                 | 38                   | 133                  | 46                   | 10                         | 6       |
|            | F1352HUN-9.61 | 9,61                 | 38                   | 133                  | 46                   | 10                         | 6       |
|            | F1352HUN-9.62 | 9,62                 | 38                   | 133                  | 46                   | 10                         | 6       |
|            | F1352HUN-9.63 | 9,63                 | 38                   | 133                  | 46                   | 10                         | 6       |
|            | F1352HUN-9.64 | 9,64                 | 38                   | 133                  | 46                   | 10                         | 6       |
|            | F1352HUN-9.65 | 9,65                 | 38                   | 133                  | 46                   | 10                         | 6       |
|            | F1352HUN-9.66 | 9,66                 | 38                   | 133                  | 46                   | 10                         | 6       |
|            | F1352HUN-9.67 | 9,67                 | 38                   | 133                  | 46                   | 10                         | 6       |
|            | F1352HUN-9.68 | 9,68                 | 38                   | 133                  | 46                   | 10                         | 6       |
|            | F1352HUN-9.69 | 9,69                 | 38                   | 133                  | 46                   | 10                         | 6       |
|            | F1352HUN-9.71 | 9,71                 | 38                   | 133                  | 46                   | 10                         | 6       |
|            | F1352HUN-9.72 | 9,72                 | 38                   | 133                  | 46                   | 10                         | 6       |
|            | F1352HUN-9.73 | 9,73                 | 38                   | 133                  | 46                   | 10                         | 6       |
|            | F1352HUN-9.74 | 9,74                 | 38                   | 133                  | 46                   | 10                         | 6       |
|            | F1352HUN-9.75 | 9,75                 | 38                   | 133                  | 46                   | 10                         | 6       |
|            | F1352HUN-9.76 | 9,76                 | 38                   | 133                  | 46                   | 10                         | 6       |
|            | F1352HUN-9.77 | 9,77                 | 38                   | 133                  | 46                   | 10                         | 6       |
|            | F1352HUN-9.78 | 9,78                 | 38                   | 133                  | 46                   | 10                         | 6       |
|            | F1352HUN-9.79 | 9,79                 | 38                   | 133                  | 46                   | 10                         | 6       |
|            | F1352HUN-9.81 | 9,81                 | 38                   | 133                  | 46                   | 10                         | 6       |
|            | F1352HUN-9.82 | 9,82                 | 38                   | 133                  | 46                   | 10                         | 6       |
|            | F1352HUN-9.83 | 9,83                 | 38                   | 133                  | 46                   | 10                         | 6       |
|            | F1352HUN-9.84 | 9,84                 | 38                   | 133                  | 46                   | 10                         | 6       |
|            | F1352HUN-9.85 | 9,85                 | 38                   | 133                  | 46                   | 10                         | 6       |
|            | F1352HUN-9.86 | 9,86                 | 38                   | 133                  | 46                   | 10                         | 6       |
|            | F1352HUN-9.87 | 9,87                 | 38                   | 133                  | 46                   | 10                         | 6       |
|            | F1352HUN-9.88 | 9,88                 | 38                   | 133                  | 46                   | 10                         | 6       |
|            | F1352HUN-9.89 | 9,89                 | 38                   | 133                  | 46                   | 10                         | 6       |
|            | F1352HUN-9.91 | 9,91                 | 38                   | 133                  | 46                   | 10                         | 6       |
|            | F1352HUN-9.92 | 9,92                 | 38                   | 133                  | 46                   | 10                         | 6       |
|            | F1352HUN-9.93 | 9,93                 | 38                   | 133                  | 46                   | 10                         | 6       |
|            | F1352HUN-9.94 | 9,94                 | 38                   | 133                  | 46                   | 10                         | 6       |
|            | F1352HUN-9.95 | 9,95                 | 38                   | 133                  | 46                   | 10                         | 6       |
|            | F1352HUN-9.96 | 9,96                 | 38                   | 133                  | 46                   | 10                         | 6       |
|            | F1352HUN-9.97 | 9,97                 | 38                   | 133                  | 46                   | 10                         | 6       |
|            | F1352HUN-9.98 | 9,98                 | 38                   | 133                  | 46                   | 10                         | 6       |
|            | F1352HUN-9.99 | 9,99                 | 38                   | 133                  | 46                   | 10                         | 6       |

**Инструмент**


Cylindrical shank

| Обозначение    | D <sub>c</sub><br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h9<br>mm | Z<br>EA |
|----------------|----------------------|----------------------|----------------------|----------------------|----------------------------|---------|
| F1352HUN-10    | 10                   | 38                   | 133                  | 46                   | 10                         | 6       |
| F1352HUN-10.01 | 10,01                | 38                   | 133                  | 46                   | 10                         | 6       |
| F1352HUN-10.02 | 10,02                | 38                   | 133                  | 46                   | 10                         | 6       |
| F1352HUN-10.03 | 10,03                | 38                   | 133                  | 46                   | 10                         | 6       |
| F1352HUN-10.04 | 10,04                | 38                   | 133                  | 46                   | 10                         | 6       |
| F1352HUN-10.05 | 10,05                | 38                   | 133                  | 46                   | 10                         | 6       |
| F1352HUN-10.06 | 10,06                | 38                   | 133                  | 46                   | 10                         | 6       |
| F1352HUN-10.07 | 10,07                | 38                   | 133                  | 46                   | 10                         | 6       |
| F1352HUN-10.08 | 10,08                | 38                   | 133                  | 46                   | 10                         | 6       |
| F1352HUN-10.09 | 10,09                | 38                   | 133                  | 46                   | 10                         | 6       |
| F1352HUN-10.1  | 10,1                 | 38                   | 133                  | 46                   | 10                         | 6       |
| F1352HUN-10.11 | 10,11                | 38                   | 133                  | 46                   | 10                         | 6       |
| F1352HUN-10.12 | 10,12                | 38                   | 133                  | 46                   | 10                         | 6       |
| F1352HUN-10.13 | 10,13                | 38                   | 133                  | 46                   | 10                         | 6       |
| F1352HUN-10.14 | 10,14                | 38                   | 133                  | 46                   | 10                         | 6       |
| F1352HUN-10.15 | 10,15                | 38                   | 133                  | 46                   | 10                         | 6       |
| F1352HUN-10.16 | 10,16                | 38                   | 133                  | 46                   | 10                         | 6       |
| F1352HUN-10.17 | 10,17                | 38                   | 133                  | 46                   | 10                         | 6       |
| F1352HUN-10.18 | 10,18                | 38                   | 133                  | 46                   | 10                         | 6       |
| F1352HUN-10.19 | 10,19                | 38                   | 133                  | 46                   | 10                         | 6       |
| F1352HUN-10.2  | 10,2                 | 38                   | 133                  | 46                   | 10                         | 6       |
| F1352HUN-10.21 | 10,21                | 38                   | 133                  | 46                   | 10                         | 6       |
| F1352HUN-10.22 | 10,22                | 38                   | 133                  | 46                   | 10                         | 6       |
| F1352HUN-10.23 | 10,23                | 38                   | 133                  | 46                   | 10                         | 6       |
| F1352HUN-10.24 | 10,24                | 38                   | 133                  | 46                   | 10                         | 6       |
| F1352HUN-10.25 | 10,25                | 38                   | 133                  | 46                   | 10                         | 6       |
| F1352HUN-10.26 | 10,26                | 38                   | 133                  | 46                   | 10                         | 6       |
| F1352HUN-10.27 | 10,27                | 38                   | 133                  | 46                   | 10                         | 6       |
| F1352HUN-10.28 | 10,28                | 38                   | 133                  | 46                   | 10                         | 6       |
| F1352HUN-10.29 | 10,29                | 38                   | 133                  | 46                   | 10                         | 6       |
| F1352HUN-10.31 | 10,31                | 38                   | 133                  | 46                   | 10                         | 6       |
| F1352HUN-10.32 | 10,32                | 38                   | 133                  | 46                   | 10                         | 6       |
| F1352HUN-10.33 | 10,33                | 38                   | 133                  | 46                   | 10                         | 6       |
| F1352HUN-10.34 | 10,34                | 38                   | 133                  | 46                   | 10                         | 6       |
| F1352HUN-10.35 | 10,35                | 38                   | 133                  | 46                   | 10                         | 6       |
| F1352HUN-10.36 | 10,36                | 38                   | 133                  | 46                   | 10                         | 6       |
| F1352HUN-10.37 | 10,37                | 38                   | 133                  | 46                   | 10                         | 6       |
| F1352HUN-10.38 | 10,38                | 38                   | 133                  | 46                   | 10                         | 6       |
| F1352HUN-10.39 | 10,39                | 38                   | 133                  | 46                   | 10                         | 6       |
| F1352HUN-10.41 | 10,41                | 38                   | 133                  | 46                   | 10                         | 6       |
| F1352HUN-10.42 | 10,42                | 38                   | 133                  | 46                   | 10                         | 6       |
| F1352HUN-10.43 | 10,43                | 38                   | 133                  | 46                   | 10                         | 6       |
| F1352HUN-10.44 | 10,44                | 38                   | 133                  | 46                   | 10                         | 6       |
| F1352HUN-10.45 | 10,45                | 38                   | 133                  | 46                   | 10                         | 6       |
| F1352HUN-10.46 | 10,46                | 38                   | 133                  | 46                   | 10                         | 6       |
| F1352HUN-10.47 | 10,47                | 38                   | 133                  | 46                   | 10                         | 6       |

B3

**WALTER  
SELECT**

●● Основная область применения    ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = 😐 → неблагоприятных = ☹️ условий обработки

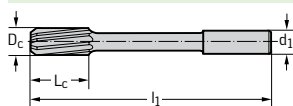
| Инструмент               |                | Обозначение    | D <sub>c</sub><br>мм | L <sub>c</sub><br>мм | l <sub>1</sub><br>мм | l <sub>5</sub><br>мм | d <sub>1</sub><br>h9<br>мм | Z<br>EA |
|--------------------------|----------------|----------------|----------------------|----------------------|----------------------|----------------------|----------------------------|---------|
| <p>Cylindrical shank</p> |                | F1352HUN-10.48 | 10,48                | 38                   | 133                  | 46                   | 10                         | 6       |
|                          |                | F1352HUN-10.49 | 10,49                | 38                   | 133                  | 46                   | 10                         | 6       |
|                          |                | F1352HUN-10.51 | 10,51                | 38                   | 133                  | 46                   | 10                         | 6       |
|                          |                | F1352HUN-10.52 | 10,52                | 38                   | 133                  | 46                   | 10                         | 6       |
|                          |                | F1352HUN-10.53 | 10,53                | 38                   | 133                  | 46                   | 10                         | 6       |
|                          |                | F1352HUN-10.54 | 10,54                | 38                   | 133                  | 46                   | 10                         | 6       |
|                          |                | F1352HUN-10.55 | 10,55                | 38                   | 133                  | 46                   | 10                         | 6       |
|                          |                | F1352HUN-10.56 | 10,56                | 38                   | 133                  | 46                   | 10                         | 6       |
|                          |                | F1352HUN-10.57 | 10,57                | 38                   | 133                  | 46                   | 10                         | 6       |
|                          |                | F1352HUN-10.58 | 10,58                | 38                   | 133                  | 46                   | 10                         | 6       |
|                          |                | F1352HUN-10.59 | 10,59                | 38                   | 133                  | 46                   | 10                         | 6       |
|                          |                | F1352HUN-10.61 | 10,61                | 41                   | 142                  | 46                   | 10                         | 6       |
|                          |                | F1352HUN-10.62 | 10,62                | 41                   | 142                  | 46                   | 10                         | 6       |
|                          |                | F1352HUN-10.63 | 10,63                | 41                   | 142                  | 46                   | 10                         | 6       |
|                          |                | F1352HUN-10.64 | 10,64                | 41                   | 142                  | 46                   | 10                         | 6       |
|                          |                | F1352HUN-10.65 | 10,65                | 41                   | 142                  | 46                   | 10                         | 6       |
|                          |                | F1352HUN-10.66 | 10,66                | 41                   | 142                  | 46                   | 10                         | 6       |
|                          |                | F1352HUN-10.67 | 10,67                | 41                   | 142                  | 46                   | 10                         | 6       |
|                          |                | F1352HUN-10.68 | 10,68                | 41                   | 142                  | 46                   | 10                         | 6       |
|                          |                | F1352HUN-10.69 | 10,69                | 41                   | 142                  | 46                   | 10                         | 6       |
|                          |                | F1352HUN-10.71 | 10,71                | 41                   | 142                  | 46                   | 10                         | 6       |
|                          |                | F1352HUN-10.72 | 10,72                | 41                   | 142                  | 46                   | 10                         | 6       |
|                          |                | F1352HUN-10.73 | 10,73                | 41                   | 142                  | 46                   | 10                         | 6       |
|                          |                | F1352HUN-10.74 | 10,74                | 41                   | 142                  | 46                   | 10                         | 6       |
|                          |                | F1352HUN-10.75 | 10,75                | 41                   | 142                  | 46                   | 10                         | 6       |
|                          |                | F1352HUN-10.76 | 10,76                | 41                   | 142                  | 46                   | 10                         | 6       |
|                          |                | F1352HUN-10.77 | 10,77                | 41                   | 142                  | 46                   | 10                         | 6       |
|                          |                | F1352HUN-10.78 | 10,78                | 41                   | 142                  | 46                   | 10                         | 6       |
|                          |                | F1352HUN-10.79 | 10,79                | 41                   | 142                  | 46                   | 10                         | 6       |
|                          |                | F1352HUN-10.81 | 10,81                | 41                   | 142                  | 46                   | 10                         | 6       |
|                          | F1352HUN-10.82 | 10,82          | 41                   | 142                  | 46                   | 10                   | 6                          |         |
|                          | F1352HUN-10.83 | 10,83          | 41                   | 142                  | 46                   | 10                   | 6                          |         |
|                          | F1352HUN-10.84 | 10,84          | 41                   | 142                  | 46                   | 10                   | 6                          |         |
|                          | F1352HUN-10.85 | 10,85          | 41                   | 142                  | 46                   | 10                   | 6                          |         |
|                          | F1352HUN-10.86 | 10,86          | 41                   | 142                  | 46                   | 10                   | 6                          |         |
|                          | F1352HUN-10.87 | 10,87          | 41                   | 142                  | 46                   | 10                   | 6                          |         |
|                          | F1352HUN-10.88 | 10,88          | 41                   | 142                  | 46                   | 10                   | 6                          |         |
|                          | F1352HUN-10.89 | 10,89          | 41                   | 142                  | 46                   | 10                   | 6                          |         |
|                          | F1352HUN-10.91 | 10,91          | 41                   | 142                  | 46                   | 10                   | 6                          |         |
|                          | F1352HUN-10.92 | 10,92          | 41                   | 142                  | 46                   | 10                   | 6                          |         |
|                          | F1352HUN-10.93 | 10,93          | 41                   | 142                  | 46                   | 10                   | 6                          |         |
|                          | F1352HUN-10.94 | 10,94          | 41                   | 142                  | 46                   | 10                   | 6                          |         |
|                          | F1352HUN-10.95 | 10,95          | 41                   | 142                  | 46                   | 10                   | 6                          |         |
|                          | F1352HUN-10.96 | 10,96          | 41                   | 142                  | 46                   | 10                   | 6                          |         |
|                          | F1352HUN-10.97 | 10,97          | 41                   | 142                  | 46                   | 10                   | 6                          |         |
|                          | F1352HUN-10.98 | 10,98          | 41                   | 142                  | 46                   | 10                   | 6                          |         |

B3

●● Основная область применения    ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = 😐 → неблагоприятных = ☹️ условий обработки

☺ ☹️ ☹️ / \* = Новый инструмент

## Инструмент



Cylindrical shank

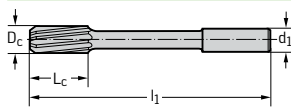
| Обозначение    | D <sub>c</sub><br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h9<br>mm | Z<br>EA |
|----------------|----------------------|----------------------|----------------------|----------------------|----------------------------|---------|
| F1352HUN-10.99 | 10,99                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.01 | 11,01                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.02 | 11,02                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.03 | 11,03                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.04 | 11,04                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.05 | 11,05                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.06 | 11,06                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.07 | 11,07                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.08 | 11,08                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.09 | 11,09                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.1  | 11,1                 | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.11 | 11,11                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.12 | 11,12                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.13 | 11,13                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.14 | 11,14                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.15 | 11,15                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.16 | 11,16                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.17 | 11,17                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.18 | 11,18                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.19 | 11,19                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.2  | 11,2                 | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.21 | 11,21                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.22 | 11,22                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.23 | 11,23                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.24 | 11,24                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.25 | 11,25                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.26 | 11,26                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.27 | 11,27                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.28 | 11,28                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.29 | 11,29                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.3  | 11,3                 | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.31 | 11,31                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.32 | 11,32                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.33 | 11,33                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.34 | 11,34                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.35 | 11,35                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.36 | 11,36                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.37 | 11,37                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.38 | 11,38                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.39 | 11,39                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.4  | 11,4                 | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.41 | 11,41                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.42 | 11,42                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.43 | 11,43                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.44 | 11,44                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.45 | 11,45                | 41                   | 142                  | 46                   | 10                         | 6       |

B3

 WALTER  
SELECT

●● Основная область применения    ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = 😐 → неблагоприятных = ☹️ условий обработки

## Инструмент



Cylindrical shank

| Обозначение    | D <sub>c</sub><br>мм | L <sub>c</sub><br>мм | l <sub>1</sub><br>мм | l <sub>5</sub><br>мм | d <sub>1</sub><br>h9<br>мм | Z<br>EA |
|----------------|----------------------|----------------------|----------------------|----------------------|----------------------------|---------|
| F1352HUN-11.46 | 11,46                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.47 | 11,47                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.48 | 11,48                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.49 | 11,49                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.51 | 11,51                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.52 | 11,52                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.53 | 11,53                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.54 | 11,54                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.55 | 11,55                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.56 | 11,56                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.57 | 11,57                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.58 | 11,58                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.59 | 11,59                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.6  | 11,6                 | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.61 | 11,61                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.62 | 11,62                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.63 | 11,63                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.64 | 11,64                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.65 | 11,65                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.66 | 11,66                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.67 | 11,67                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.68 | 11,68                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.69 | 11,69                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.7  | 11,7                 | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.71 | 11,71                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.72 | 11,72                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.73 | 11,73                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.74 | 11,74                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.75 | 11,75                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.76 | 11,76                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.77 | 11,77                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.78 | 11,78                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.79 | 11,79                | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.8  | 11,8                 | 41                   | 142                  | 46                   | 10                         | 6       |
| F1352HUN-11.81 | 11,81                | 44                   | 151                  | 46                   | 10                         | 6       |
| F1352HUN-11.82 | 11,82                | 44                   | 151                  | 46                   | 10                         | 6       |
| F1352HUN-11.83 | 11,83                | 44                   | 151                  | 46                   | 10                         | 6       |
| F1352HUN-11.84 | 11,84                | 44                   | 151                  | 46                   | 10                         | 6       |
| F1352HUN-11.85 | 11,85                | 44                   | 151                  | 46                   | 10                         | 6       |
| F1352HUN-11.86 | 11,86                | 44                   | 151                  | 46                   | 10                         | 6       |
| F1352HUN-11.87 | 11,87                | 44                   | 151                  | 46                   | 10                         | 6       |
| F1352HUN-11.88 | 11,88                | 44                   | 151                  | 46                   | 10                         | 6       |
| F1352HUN-11.89 | 11,89                | 44                   | 151                  | 46                   | 10                         | 6       |
| F1352HUN-11.9  | 11,9                 | 44                   | 151                  | 46                   | 10                         | 6       |
| F1352HUN-11.91 | 11,91                | 44                   | 151                  | 46                   | 10                         | 6       |
| F1352HUN-11.92 | 11,92                | 44                   | 151                  | 46                   | 10                         | 6       |
| F1352HUN-11.93 | 11,93                | 44                   | 151                  | 46                   | 10                         | 6       |
| F1352HUN-11.94 | 11,94                | 44                   | 151                  | 46                   | 10                         | 6       |
| F1352HUN-11.95 | 11,95                | 44                   | 151                  | 46                   | 10                         | 6       |
| F1352HUN-11.96 | 11,96                | 44                   | 151                  | 46                   | 10                         | 6       |
| F1352HUN-11.97 | 11,97                | 44                   | 151                  | 46                   | 10                         | 6       |
| F1352HUN-11.98 | 11,98                | 44                   | 151                  | 46                   | 10                         | 6       |
| F1352HUN-11.99 | 11,99                | 44                   | 151                  | 46                   | 10                         | 6       |
| F1352HUN-12    | 12                   | 44                   | 151                  | 46                   | 10                         | 6       |

B3

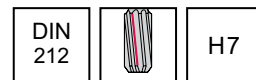
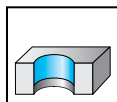
WALTER  
SELECT

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = 😐 → неблагоприятных = ☹ условий обработки

# Развёртки машинные быстрорежущие F1352

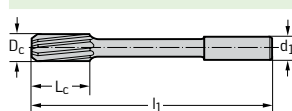


- Стандарт Walter до Ø 1,3 мм
- С двухсторонней центрирующей вершиной до Ø 3,7 мм



|              |    |   |    |    |   |   |    |
|--------------|----|---|----|----|---|---|----|
|              | P  | M | K  | N  | S | H | O  |
| без покрытия | ●● |   | ●● | ●● |   |   | ●● |

## Инструмент



Cylindrical shank

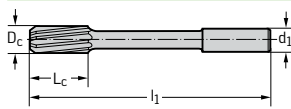
| Обозначение | D <sub>c</sub><br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | d <sub>1</sub><br>h9<br>mm | Z<br>EA |
|-------------|----------------------|----------------------|----------------------|----------------------------|---------|
| F1352-0.9   | 0,9                  | 6                    | 34                   | 1                          | 3       |
| F1352-1     | 1                    | 6                    | 34                   | 1                          | 3       |
| F1352-1.1   | 1,1                  | 7                    | 36                   | 1                          | 3       |
| F1352-1.2   | 1,2                  | 8                    | 38                   | 1                          | 3       |
| F1352-1.3   | 1,3                  | 8                    | 38                   | 1                          | 3       |
| F1352-1.4   | 1,4                  | 8                    | 40                   | 1                          | 3       |
| F1352-1.5   | 1,5                  | 8                    | 40                   | 2                          | 3       |
| F1352-1.6   | 1,6                  | 9                    | 43                   | 2                          | 3       |
| F1352-1.7   | 1,7                  | 9                    | 43                   | 2                          | 3       |
| F1352-1.8   | 1,8                  | 10                   | 46                   | 2                          | 4       |
| F1352-1.9   | 1,9                  | 10                   | 46                   | 2                          | 4       |
| F1352-2     | 2                    | 11                   | 49                   | 2                          | 4       |
| F1352-2.1   | 2,1                  | 11                   | 49                   | 2                          | 4       |
| F1352-2.2   | 2,2                  | 12                   | 53                   | 2                          | 4       |
| F1352-2.3   | 2,3                  | 12                   | 53                   | 2                          | 4       |
| F1352-2.4   | 2,4                  | 14                   | 57                   | 2                          | 4       |
| F1352-2.5   | 2,5                  | 14                   | 57                   | 3                          | 4       |
| F1352-2.6   | 2,6                  | 14                   | 57                   | 3                          | 4       |
| F1352-2.7   | 2,7                  | 15                   | 61                   | 3                          | 6       |
| F1352-2.8   | 2,8                  | 15                   | 61                   | 3                          | 6       |
| F1352-2.9   | 2,9                  | 15                   | 61                   | 3                          | 6       |
| F1352-3     | 3                    | 15                   | 61                   | 3                          | 6       |
| F1352-3.1   | 3,1                  | 16                   | 65                   | 3                          | 6       |
| F1352-3.2   | 3,2                  | 16                   | 65                   | 3                          | 6       |
| F1352-3.3   | 3,3                  | 16                   | 65                   | 3                          | 6       |
| F1352-3.4   | 3,4                  | 18                   | 70                   | 3                          | 6       |
| F1352-3.5   | 3,5                  | 18                   | 70                   | 4                          | 6       |
| F1352-3.6   | 3,6                  | 18                   | 70                   | 4                          | 6       |
| F1352-3.7   | 3,7                  | 18                   | 70                   | 4                          | 6       |
| F1352-3.8   | 3,8                  | 19                   | 75                   | 4                          | 6       |
| F1352-3.9   | 3,9                  | 19                   | 75                   | 4                          | 6       |
| F1352-4     | 4                    | 19                   | 75                   | 4                          | 6       |
| F1352-4.1   | 4,1                  | 19                   | 75                   | 4                          | 6       |
| F1352-4.2   | 4,2                  | 19                   | 75                   | 4                          | 6       |
| F1352-4.3   | 4,3                  | 21                   | 80                   | 5                          | 6       |
| F1352-4.4   | 4,4                  | 21                   | 80                   | 5                          | 6       |

**WALTER  
SELECT**

●● Основная область применения    ● Возможная область применения  
 Оптимально подходит для → хороших = 😊 → нормальных = 😐 → неблагоприятных = ☹️ условий обработки



## Инструмент



Cylindrical shank

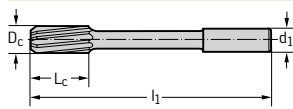
| Обозначение | D <sub>c</sub><br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | d <sub>1</sub><br>h9<br>mm | Z<br>EA |
|-------------|----------------------|----------------------|----------------------|----------------------------|---------|
| F1352-4.5   | 4,5                  | 21                   | 80                   | 5                          | 6       |
| F1352-4.6   | 4,6                  | 21                   | 80                   | 5                          | 6       |
| F1352-4.7   | 4,7                  | 21                   | 80                   | 5                          | 6       |
| F1352-4.8   | 4,8                  | 23                   | 86                   | 5                          | 6       |
| F1352-4.9   | 4,9                  | 23                   | 86                   | 5                          | 6       |
| F1352-5     | 5                    | 23                   | 86                   | 5                          | 6       |
| F1352-5.1   | 5,1                  | 23                   | 86                   | 5                          | 6       |
| F1352-5.2   | 5,2                  | 23                   | 86                   | 5                          | 6       |
| F1352-5.3   | 5,3                  | 23                   | 86                   | 5                          | 6       |
| F1352-5.4   | 5,4                  | 26                   | 93                   | 6                          | 6       |
| F1352-5.5   | 5,5                  | 26                   | 93                   | 6                          | 6       |
| F1352-5.6   | 5,6                  | 26                   | 93                   | 6                          | 6       |
| F1352-5.7   | 5,7                  | 26                   | 93                   | 6                          | 6       |
| F1352-5.8   | 5,8                  | 26                   | 93                   | 6                          | 6       |
| F1352-5.9   | 5,9                  | 26                   | 93                   | 6                          | 6       |
| F1352-6     | 6                    | 26                   | 93                   | 6                          | 6       |
| F1352-6.1   | 6,1                  | 28                   | 101                  | 6                          | 6       |
| F1352-6.2   | 6,2                  | 28                   | 101                  | 6                          | 6       |
| F1352-6.3   | 6,3                  | 28                   | 101                  | 6                          | 6       |
| F1352-6.4   | 6,4                  | 28                   | 101                  | 6                          | 6       |
| F1352-6.5   | 6,5                  | 28                   | 101                  | 6                          | 6       |
| F1352-6.6   | 6,6                  | 28                   | 101                  | 6                          | 6       |
| F1352-6.7   | 6,7                  | 28                   | 101                  | 6                          | 6       |
| F1352-6.8   | 6,8                  | 31                   | 109                  | 7                          | 6       |
| F1352-6.9   | 6,9                  | 31                   | 109                  | 7                          | 6       |
| F1352-7     | 7                    | 31                   | 109                  | 7                          | 6       |
| F1352-7.1   | 7,1                  | 31                   | 109                  | 7                          | 6       |
| F1352-7.2   | 7,2                  | 31                   | 109                  | 7                          | 6       |
| F1352-7.3   | 7,3                  | 31                   | 109                  | 7                          | 6       |
| F1352-7.4   | 7,4                  | 31                   | 109                  | 7                          | 6       |
| F1352-7.5   | 7,5                  | 31                   | 109                  | 7                          | 6       |
| F1352-7.6   | 7,6                  | 33                   | 117                  | 8                          | 6       |
| F1352-7.7   | 7,7                  | 33                   | 117                  | 8                          | 6       |
| F1352-7.8   | 7,8                  | 33                   | 117                  | 8                          | 6       |
| F1352-7.9   | 7,9                  | 33                   | 117                  | 8                          | 6       |
| F1352-8     | 8                    | 33                   | 117                  | 8                          | 6       |
| F1352-8.1   | 8,1                  | 33                   | 117                  | 8                          | 6       |
| F1352-8.2   | 8,2                  | 33                   | 117                  | 8                          | 6       |
| F1352-8.3   | 8,3                  | 33                   | 117                  | 8                          | 6       |
| F1352-8.4   | 8,4                  | 33                   | 117                  | 8                          | 6       |
| F1352-8.5   | 8,5                  | 33                   | 117                  | 8                          | 6       |
| F1352-8.6   | 8,6                  | 36                   | 125                  | 9                          | 6       |
| F1352-8.7   | 8,7                  | 36                   | 125                  | 9                          | 6       |
| F1352-8.8   | 8,8                  | 36                   | 125                  | 9                          | 6       |
| F1352-8.9   | 8,9                  | 36                   | 125                  | 9                          | 6       |
| F1352-9     | 9                    | 36                   | 125                  | 9                          | 6       |

B3

WALTER  
SELECT

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условия обработки

## Инструмент



Cylindrical shank

| Обозначение | D <sub>c</sub><br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | d <sub>1</sub><br>h9<br>mm | Z<br>EA |
|-------------|----------------------|----------------------|----------------------|----------------------------|---------|
| F1352-9.1   | 9,1                  | 36                   | 125                  | 9                          | 6       |
| F1352-9.2   | 9,2                  | 36                   | 125                  | 9                          | 6       |
| F1352-9.3   | 9,3                  | 36                   | 125                  | 9                          | 6       |
| F1352-9.4   | 9,4                  | 36                   | 125                  | 9                          | 6       |
| F1352-9.5   | 9,5                  | 36                   | 125                  | 9                          | 6       |
| F1352-9.6   | 9,6                  | 38                   | 133                  | 10                         | 6       |
| F1352-9.7   | 9,7                  | 38                   | 133                  | 10                         | 6       |
| F1352-9.8   | 9,8                  | 38                   | 133                  | 10                         | 6       |
| F1352-9.9   | 9,9                  | 38                   | 133                  | 10                         | 6       |
| F1352-10    | 10                   | 38                   | 133                  | 10                         | 6       |
| F1352-10.1  | 10,1                 | 38                   | 133                  | 10                         | 6       |
| F1352-10.2  | 10,2                 | 38                   | 133                  | 10                         | 6       |
| F1352-10.3  | 10,3                 | 38                   | 133                  | 10                         | 6       |
| F1352-10.4  | 10,4                 | 38                   | 133                  | 10                         | 6       |
| F1352-10.5  | 10,5                 | 38                   | 133                  | 10                         | 6       |
| F1352-10.6  | 10,6                 | 38                   | 133                  | 10                         | 6       |
| F1352-10.7  | 10,7                 | 41                   | 142                  | 10                         | 6       |
| F1352-10.8  | 10,8                 | 41                   | 142                  | 10                         | 6       |
| F1352-10.9  | 10,9                 | 41                   | 142                  | 10                         | 6       |
| F1352-11    | 11                   | 41                   | 142                  | 10                         | 6       |
| F1352-11.5  | 11,5                 | 41                   | 142                  | 10                         | 6       |
| F1352-12    | 12                   | 44                   | 151                  | 10                         | 6       |
| F1352-12.5  | 12,5                 | 44                   | 151                  | 10                         | 6       |
| F1352-13    | 13                   | 44                   | 151                  | 10                         | 6       |
| F1352-13.5  | 13,5                 | 47                   | 160                  | 13                         | 8       |
| F1352-14    | 14                   | 47                   | 160                  | 13                         | 8       |
| F1352-14.5  | 14,5                 | 50                   | 162                  | 13                         | 8       |
| F1352-15    | 15                   | 50                   | 162                  | 13                         | 8       |
| F1352-15.5  | 15,5                 | 52                   | 170                  | 13                         | 8       |
| F1352-16    | 16                   | 52                   | 170                  | 13                         | 8       |
| F1352-16.5  | 16,5                 | 54                   | 175                  | 14                         | 8       |
| F1352-17    | 17                   | 54                   | 175                  | 14                         | 8       |
| F1352-17.5  | 17,5                 | 56                   | 182                  | 14                         | 8       |
| F1352-18    | 18                   | 56                   | 182                  | 14                         | 8       |
| F1352-18.5  | 18,5                 | 58                   | 189                  | 16                         | 8       |
| F1352-19    | 19                   | 58                   | 189                  | 16                         | 8       |
| F1352-19.5  | 19,5                 | 60                   | 195                  | 16                         | 8       |
| F1352-20    | 20                   | 60                   | 195                  | 16                         | 8       |

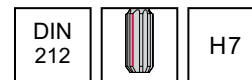
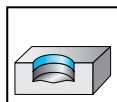
B3

# Развёртки машинные быстрорежущие

## F1342



- Стандарт Walter до  $\varnothing$  2,1 мм
- С двухсторонней центрирующей вершиной до  $\varnothing$  3,7 мм



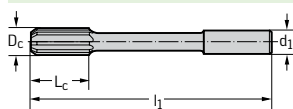
|              |    |   |    |    |   |   |    |
|--------------|----|---|----|----|---|---|----|
|              | P  | M | K  | N  | S | H | O  |
| без покрытия | ●● |   | ●● | ●● |   |   | ●● |

| Инструмент               | Обозначение | D <sub>c</sub><br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | d <sub>1</sub><br>h9<br>mm | Z<br>EA |
|--------------------------|-------------|----------------------|----------------------|----------------------|----------------------------|---------|
| <p>Cylindrical shank</p> | F1342-1     | 1                    | 6                    | 34                   | 1                          | 3       |
|                          | F1342-1.1   | 1,1                  | 7                    | 36                   | 1                          | 3       |
|                          | F1342-1.2   | 1,2                  | 7                    | 36                   | 1                          | 3       |
|                          | F1342-1.3   | 1,3                  | 8                    | 38                   | 1                          | 3       |
|                          | F1342-1.4   | 1,4                  | 8                    | 40                   | 1                          | 3       |
|                          | F1342-1.5   | 1,5                  | 8                    | 40                   | 1                          | 3       |
|                          | F1342-1.6   | 1,6                  | 9                    | 43                   | 2                          | 3       |
|                          | F1342-1.7   | 1,7                  | 9                    | 43                   | 2                          | 3       |
|                          | F1342-1.8   | 1,8                  | 10                   | 46                   | 2                          | 4       |
|                          | F1342-1.9   | 1,9                  | 10                   | 46                   | 2                          | 4       |
|                          | F1342-2     | 2                    | 11                   | 49                   | 2                          | 4       |
|                          | F1342-2.1   | 2,1                  | 11                   | 49                   | 2                          | 4       |
|                          | F1342-2.2   | 2,2                  | 12                   | 53                   | 2                          | 4       |
|                          | F1342-2.3   | 2,3                  | 12                   | 53                   | 2                          | 4       |
|                          | F1342-2.4   | 2,4                  | 14                   | 57                   | 2                          | 4       |
|                          | F1342-2.5   | 2,5                  | 14                   | 57                   | 3                          | 4       |
|                          | F1342-2.6   | 2,6                  | 14                   | 57                   | 3                          | 4       |
|                          | F1342-2.7   | 2,7                  | 15                   | 61                   | 3                          | 6       |
|                          | F1342-2.8   | 2,8                  | 15                   | 61                   | 3                          | 6       |
|                          | F1342-2.9   | 2,9                  | 15                   | 61                   | 3                          | 6       |
|                          | F1342-3     | 3                    | 15                   | 61                   | 3                          | 6       |
|                          | F1342-3.1   | 3,1                  | 16                   | 65                   | 3                          | 6       |
|                          | F1342-3.2   | 3,2                  | 16                   | 65                   | 3                          | 6       |
|                          | F1342-3.3   | 3,3                  | 16                   | 65                   | 3                          | 6       |
|                          | F1342-3.4   | 3,4                  | 18                   | 70                   | 3                          | 6       |
|                          | F1342-3.5   | 3,5                  | 18                   | 70                   | 4                          | 6       |
|                          | F1342-3.6   | 3,6                  | 18                   | 70                   | 4                          | 6       |
|                          | F1342-3.7   | 3,7                  | 18                   | 70                   | 4                          | 6       |
|                          | F1342-3.8   | 3,8                  | 19                   | 75                   | 4                          | 6       |
|                          | F1342-3.9   | 3,9                  | 19                   | 75                   | 4                          | 6       |
|                          | F1342-4     | 4                    | 19                   | 75                   | 4                          | 6       |
|                          | F1342-4.1   | 4,1                  | 19                   | 75                   | 4                          | 6       |
|                          | F1342-4.2   | 4,2                  | 19                   | 75                   | 4                          | 6       |
|                          | F1342-4.3   | 4,3                  | 21                   | 80                   | 5                          | 6       |
|                          | F1342-4.4   | 4,4                  | 21                   | 80                   | 5                          | 6       |
| F1342-4.5                | 4,5         | 21                   | 80                   | 5                    | 6                          |         |

B3

**WALTER  
SELECT**

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условий обработки

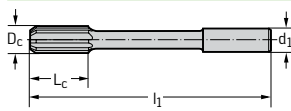
**Инструмент**


Cylindrical shank

| Обозначение | D <sub>c</sub><br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | d <sub>1</sub><br>h9<br>mm | Z<br>EA |
|-------------|----------------------|----------------------|----------------------|----------------------------|---------|
| F1342-4.6   | 4,6                  | 21                   | 80                   | 5                          | 6       |
| F1342-4.7   | 4,7                  | 21                   | 80                   | 5                          | 6       |
| F1342-4.8   | 4,8                  | 23                   | 86                   | 5                          | 6       |
| F1342-4.9   | 4,9                  | 23                   | 86                   | 5                          | 6       |
| F1342-5     | 5                    | 23                   | 86                   | 5                          | 6       |
| F1342-5.1   | 5,1                  | 23                   | 86                   | 5                          | 6       |
| F1342-5.2   | 5,2                  | 23                   | 86                   | 5                          | 6       |
| F1342-5.3   | 5,3                  | 23                   | 86                   | 5                          | 6       |
| F1342-5.4   | 5,4                  | 26                   | 93                   | 6                          | 6       |
| F1342-5.5   | 5,5                  | 26                   | 93                   | 6                          | 6       |
| F1342-5.6   | 5,6                  | 26                   | 93                   | 6                          | 6       |
| F1342-5.7   | 5,7                  | 26                   | 93                   | 6                          | 6       |
| F1342-5.8   | 5,8                  | 26                   | 93                   | 6                          | 6       |
| F1342-5.9   | 5,9                  | 26                   | 93                   | 6                          | 6       |
| F1342-6     | 6                    | 26                   | 93                   | 6                          | 6       |
| F1342-6.1   | 6,1                  | 28                   | 101                  | 6                          | 6       |
| F1342-6.2   | 6,2                  | 28                   | 101                  | 6                          | 6       |
| F1342-6.3   | 6,3                  | 28                   | 101                  | 6                          | 6       |
| F1342-6.4   | 6,4                  | 28                   | 101                  | 6                          | 6       |
| F1342-6.5   | 6,5                  | 28                   | 101                  | 6                          | 6       |
| F1342-6.6   | 6,6                  | 28                   | 101                  | 6                          | 6       |
| F1342-6.7   | 6,7                  | 28                   | 101                  | 6                          | 6       |
| F1342-6.8   | 6,8                  | 31                   | 109                  | 7                          | 6       |
| F1342-6.9   | 6,9                  | 31                   | 109                  | 7                          | 6       |
| F1342-7     | 7                    | 31                   | 109                  | 7                          | 6       |
| F1342-7.1   | 7,1                  | 31                   | 109                  | 7                          | 6       |
| F1342-7.2   | 7,2                  | 31                   | 109                  | 7                          | 6       |
| F1342-7.3   | 7,3                  | 31                   | 109                  | 7                          | 6       |
| F1342-7.4   | 7,4                  | 31                   | 109                  | 7                          | 6       |
| F1342-7.5   | 7,5                  | 31                   | 109                  | 7                          | 6       |
| F1342-7.6   | 7,6                  | 33                   | 117                  | 8                          | 6       |
| F1342-7.7   | 7,7                  | 33                   | 117                  | 8                          | 6       |
| F1342-7.8   | 7,8                  | 33                   | 117                  | 8                          | 6       |
| F1342-7.9   | 7,9                  | 33                   | 117                  | 8                          | 6       |
| F1342-8     | 8                    | 33                   | 117                  | 8                          | 6       |
| F1342-8.1   | 8,1                  | 33                   | 117                  | 8                          | 6       |
| F1342-8.2   | 8,2                  | 33                   | 117                  | 8                          | 6       |
| F1342-8.3   | 8,3                  | 33                   | 117                  | 8                          | 6       |
| F1342-8.4   | 8,4                  | 33                   | 117                  | 8                          | 6       |
| F1342-8.5   | 8,5                  | 33                   | 117                  | 8                          | 6       |
| F1342-8.6   | 8,6                  | 36                   | 125                  | 9                          | 6       |
| F1342-8.7   | 8,7                  | 36                   | 125                  | 9                          | 6       |
| F1342-8.8   | 8,8                  | 36                   | 125                  | 9                          | 6       |
| F1342-8.9   | 8,9                  | 36                   | 125                  | 9                          | 6       |
| F1342-9     | 9                    | 36                   | 125                  | 9                          | 6       |
| F1342-9.1   | 9,1                  | 36                   | 125                  | 9                          | 6       |

B3

## Инструмент



Cylindrical shank

| Обозначение | D <sub>c</sub><br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | d <sub>1</sub><br>h9<br>mm | Z<br>EA |
|-------------|----------------------|----------------------|----------------------|----------------------------|---------|
| F1342-9.2   | 9,2                  | 36                   | 125                  | 9                          | 6       |
| F1342-9.3   | 9,3                  | 36                   | 125                  | 9                          | 6       |
| F1342-9.4   | 9,4                  | 36                   | 125                  | 9                          | 6       |
| F1342-9.5   | 9,5                  | 36                   | 125                  | 9                          | 6       |
| F1342-9.6   | 9,6                  | 38                   | 133                  | 10                         | 6       |
| F1342-9.7   | 9,7                  | 38                   | 133                  | 10                         | 6       |
| F1342-9.8   | 9,8                  | 38                   | 133                  | 10                         | 6       |
| F1342-9.9   | 9,9                  | 38                   | 133                  | 10                         | 6       |
| F1342-10    | 10                   | 38                   | 133                  | 10                         | 6       |
| F1342-10.1  | 10,1                 | 38                   | 133                  | 10                         | 6       |
| F1342-10.2  | 10,2                 | 38                   | 133                  | 10                         | 6       |
| F1342-10.3  | 10,3                 | 38                   | 133                  | 10                         | 6       |
| F1342-10.4  | 10,4                 | 38                   | 133                  | 10                         | 6       |
| F1342-10.5  | 10,5                 | 38                   | 133                  | 10                         | 6       |
| F1342-10.6  | 10,6                 | 38                   | 133                  | 10                         | 6       |
| F1342-10.7  | 10,7                 | 41                   | 142                  | 10                         | 6       |
| F1342-10.8  | 10,8                 | 41                   | 142                  | 10                         | 6       |
| F1342-10.9  | 10,9                 | 41                   | 142                  | 10                         | 6       |
| F1342-11    | 11                   | 41                   | 142                  | 10                         | 6       |
| F1342-11.5  | 11,5                 | 41                   | 142                  | 10                         | 6       |
| F1342-12    | 12                   | 44                   | 151                  | 10                         | 6       |
| F1342-12.5  | 12,5                 | 44                   | 151                  | 10                         | 6       |
| F1342-13    | 13                   | 44                   | 151                  | 10                         | 6       |
| F1342-13.5  | 13,5                 | 47                   | 160                  | 13                         | 6       |
| F1342-14    | 14                   | 47                   | 160                  | 13                         | 8       |
| F1342-14.5  | 14,5                 | 50                   | 162                  | 13                         | 8       |
| F1342-15    | 15                   | 50                   | 162                  | 13                         | 8       |
| F1342-15.5  | 15,5                 | 52                   | 170                  | 13                         | 8       |
| F1342-16    | 16                   | 52                   | 170                  | 13                         | 8       |
| F1342-16.5  | 16,5                 | 54                   | 175                  | 14                         | 8       |
| F1342-17    | 17                   | 54                   | 175                  | 14                         | 8       |
| F1342-17.5  | 17,5                 | 56                   | 182                  | 14                         | 8       |
| F1342-18    | 18                   | 56                   | 182                  | 14                         | 8       |
| F1342-18.5  | 18,5                 | 58                   | 189                  | 16                         | 8       |
| F1342-19    | 19                   | 58                   | 189                  | 16                         | 8       |
| F1342-19.5  | 19,5                 | 60                   | 195                  | 16                         | 8       |
| F1342-20    | 20                   | 60                   | 195                  | 16                         | 8       |

B3

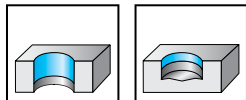
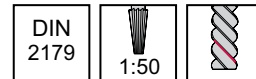
WALTER  
SELECT

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = 😐 → неблагоприятных = ☹ условий обработки

# Развёртки машинные конические быстрорежущие F3234

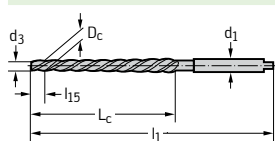


– Для конических штифтов по DIN EN 28736/ 28737/ 28744  
 – Для конических штифтов по DIN 258 / 1447 / 7977 / 7978



|              |    |   |    |    |   |   |    |
|--------------|----|---|----|----|---|---|----|
|              | P  | M | K  | N  | S | H | O  |
| без покрытия | ●● |   | ●● | ●● |   |   | ●● |

## Инструмент



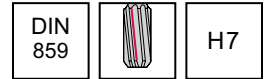
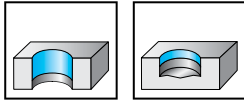
Cylindrical shank

| Обозначение | D <sub>c</sub><br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>15</sub><br>mm | d <sub>1</sub><br>h9<br>mm | d <sub>3</sub><br>mm | Z<br>EA |
|-------------|----------------------|----------------------|----------------------|-----------------------|----------------------------|----------------------|---------|
| F3234-1     | 1                    | 33                   | 60                   | 5                     | 1,4                        | 0,9                  | 2       |
| F3234-1.5   | 1,5                  | 42                   | 70                   | 5                     | 2,1                        | 1,4                  | 2       |
| F3234-2     | 2                    | 48                   | 86                   | 5                     | 3,2                        | 1,9                  | 3       |
| F3234-2.5   | 2,5                  | 48                   | 86                   | 5                     | 3,2                        | 2,4                  | 3       |
| F3234-3     | 3                    | 58                   | 100                  | 5                     | 4                          | 2,9                  | 3       |
| F3234-4     | 4                    | 68                   | 112                  | 5                     | 5                          | 3,9                  | 3       |
| F3234-5     | 5                    | 73                   | 122                  | 5                     | 6,3                        | 4,9                  | 3       |
| F3234-6     | 6                    | 105                  | 160                  | 5                     | 8                          | 5,9                  | 3       |
| F3234-8     | 8                    | 145                  | 207                  | 5                     | 10                         | 7,9                  | 3       |
| F3234-10    | 10                   | 175                  | 245                  | 5                     | 12,5                       | 9,9                  | 3       |
| F3234-12    | 12                   | 210                  | 290                  | 10                    | 16                         | 11,8                 | 3       |

# Регулируемые ручные развёртки быстрорежущие F1231



– Диапазон регулировки: 0,01 x D<sub>c</sub>



|              |    |   |    |    |   |   |    |
|--------------|----|---|----|----|---|---|----|
|              | P  | M | K  | N  | S | H | O  |
| без покрытия | ●● |   | ●● | ●● |   |   | ●● |

| Инструмент            |          | D <sub>c</sub><br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | Z<br>EA |
|-----------------------|----------|----------------------|----------------------|----------------------|---------|
| <p>Parallel shank</p> | F1231-8  | 8                    | 42                   | 115                  | 9       |
|                       | F1231-9  | 9                    | 46                   | 124                  | 9       |
|                       | F1231-10 | 10                   | 50                   | 133                  | 9       |
|                       | F1231-11 | 11                   | 51                   | 142                  | 9       |
|                       | F1231-12 | 12                   | 56                   | 152                  | 9       |
|                       | F1231-13 | 13                   | 56                   | 152                  | 9       |
|                       | F1231-14 | 14                   | 61                   | 163                  | 9       |
|                       | F1231-15 | 15                   | 61                   | 163                  | 9       |
|                       | F1231-16 | 16                   | 67                   | 175                  | 9       |
|                       | F1231-17 | 17                   | 67                   | 175                  | 9       |
|                       | F1231-18 | 18                   | 68                   | 188                  | 9       |
|                       | F1231-19 | 19                   | 68                   | 188                  | 9       |
|                       | F1231-20 | 20                   | 75                   | 201                  | 9       |
|                       | F1231-22 | 22                   | 82                   | 215                  | 12      |
|                       | F1231-24 | 24                   | 85                   | 231                  | 12      |
|                       | F1231-25 | 25                   | 85                   | 231                  | 12      |
|                       | F1231-26 | 26                   | 85                   | 231                  | 12      |
|                       | F1231-28 | 28                   | 94                   | 247                  | 12      |
|                       | F1231-30 | 30                   | 94                   | 247                  | 12      |

B3

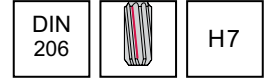
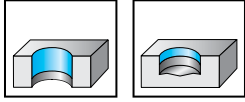
●● Основная область применения    ● Возможная область применения  
 Оптимально подходит для → хороших = 😊 → нормальных = 😐 → неблагоприятных = ☹️ условий обработки

# Ручные развёртки быстрорежущие

## F1131

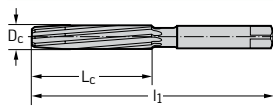


– Длинный заборный конус



|              |    |   |    |    |   |   |    |
|--------------|----|---|----|----|---|---|----|
|              | P  | M | K  | N  | S | H | O  |
| без покрытия | ●● |   | ●● | ●● |   |   | ●● |

### Инструмент



Cylindrical shank

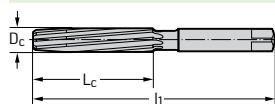
| Обозначение | D <sub>c</sub><br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | Z<br>EA |
|-------------|----------------------|----------------------|----------------------|---------|
| F1131-1     | 1                    | 13                   | 34                   | 3       |
| F1131-1.2   | 1.2                  | 17                   | 38                   | 3       |
| F1131-1.4   | 1.4                  | 20                   | 41                   | 3       |
| F1131-1.5   | 1.5                  | 20                   | 41                   | 3       |
| F1131-1.6   | 1.6                  | 21                   | 44                   | 3       |
| F1131-1.7   | 1.7                  | 21                   | 44                   | 3       |
| F1131-1.8   | 1.8                  | 23                   | 47                   | 4       |
| F1131-1.9   | 1.9                  | 23                   | 47                   | 4       |
| F1131-2     | 2                    | 25                   | 50                   | 4       |
| F1131-2.1   | 2.1                  | 25                   | 50                   | 4       |
| F1131-2.2   | 2.2                  | 27                   | 54                   | 4       |
| F1131-2.3   | 2.3                  | 27                   | 54                   | 4       |
| F1131-2.4   | 2.4                  | 29                   | 58                   | 4       |
| F1131-2.5   | 2.5                  | 29                   | 58                   | 4       |
| F1131-2.6   | 2.6                  | 29                   | 58                   | 4       |
| F1131-2.7   | 2.7                  | 31                   | 62                   | 6       |
| F1131-2.8   | 2.8                  | 31                   | 62                   | 6       |
| F1131-2.9   | 2.9                  | 31                   | 62                   | 6       |
| F1131-3     | 3                    | 31                   | 62                   | 6       |
| F1131-3.1   | 3.1                  | 33                   | 66                   | 6       |
| F1131-3.2   | 3.2                  | 33                   | 66                   | 6       |
| F1131-3.3   | 3.3                  | 33                   | 66                   | 6       |
| F1131-3.4   | 3.4                  | 35                   | 71                   | 6       |
| F1131-3.5   | 3.5                  | 35                   | 71                   | 6       |
| F1131-3.6   | 3.6                  | 35                   | 71                   | 6       |
| F1131-3.7   | 3.7                  | 35                   | 71                   | 6       |
| F1131-3.8   | 3.8                  | 38                   | 76                   | 6       |
| F1131-3.9   | 3.9                  | 38                   | 76                   | 6       |
| F1131-4     | 4                    | 38                   | 76                   | 6       |
| F1131-4.1   | 4.1                  | 38                   | 76                   | 6       |
| F1131-4.2   | 4.2                  | 38                   | 76                   | 6       |
| F1131-4.3   | 4.3                  | 41                   | 81                   | 6       |
| F1131-4.4   | 4.4                  | 41                   | 81                   | 6       |
| F1131-4.5   | 4.5                  | 41                   | 81                   | 6       |
| F1131-4.6   | 4.6                  | 41                   | 81                   | 6       |
| F1131-4.7   | 4.7                  | 41                   | 81                   | 6       |

**WALTER  
SELECT**

 ●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = 😐 → неблагоприятных = ☹ условий обработки



## Инструмент



Cylindrical shank

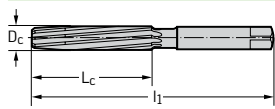
| Обозначение | D <sub>c</sub><br>мм | L <sub>c</sub><br>мм | l <sub>1</sub><br>мм | Z<br>EA |
|-------------|----------------------|----------------------|----------------------|---------|
| F1131-4.8   | 4,8                  | 44                   | 87                   | 6       |
| F1131-4.9   | 4,9                  | 44                   | 87                   | 6       |
| F1131-5     | 5                    | 44                   | 87                   | 6       |
| F1131-5.1   | 5,1                  | 44                   | 87                   | 6       |
| F1131-5.2   | 5,2                  | 44                   | 87                   | 6       |
| F1131-5.4   | 5,4                  | 47                   | 93                   | 6       |
| F1131-5.5   | 5,5                  | 47                   | 93                   | 6       |
| F1131-5.6   | 5,6                  | 47                   | 93                   | 6       |
| F1131-5.7   | 5,7                  | 47                   | 93                   | 6       |
| F1131-5.8   | 5,8                  | 47                   | 93                   | 6       |
| F1131-5.9   | 5,9                  | 47                   | 93                   | 6       |
| F1131-6     | 6                    | 47                   | 93                   | 6       |
| F1131-6.1   | 6,1                  | 50                   | 100                  | 6       |
| F1131-6.2   | 6,2                  | 50                   | 100                  | 6       |
| F1131-6.3   | 6,3                  | 50                   | 100                  | 6       |
| F1131-6.4   | 6,4                  | 50                   | 100                  | 6       |
| F1131-6.5   | 6,5                  | 50                   | 100                  | 6       |
| F1131-6.6   | 6,6                  | 50                   | 100                  | 6       |
| F1131-6.7   | 6,7                  | 50                   | 100                  | 6       |
| F1131-6.8   | 6,8                  | 54                   | 107                  | 6       |
| F1131-6.9   | 6,9                  | 54                   | 107                  | 6       |
| F1131-7     | 7                    | 54                   | 107                  | 6       |
| F1131-7.1   | 7,1                  | 54                   | 107                  | 6       |
| F1131-7.2   | 7,2                  | 54                   | 107                  | 6       |
| F1131-7.3   | 7,3                  | 54                   | 107                  | 6       |
| F1131-7.4   | 7,4                  | 54                   | 107                  | 6       |
| F1131-7.5   | 7,5                  | 54                   | 107                  | 6       |
| F1131-7.7   | 7,7                  | 58                   | 115                  | 6       |
| F1131-7.8   | 7,8                  | 58                   | 115                  | 6       |
| F1131-7.9   | 7,9                  | 58                   | 115                  | 6       |
| F1131-8     | 8                    | 58                   | 115                  | 6       |
| F1131-8.1   | 8,1                  | 58                   | 115                  | 6       |
| F1131-8.2   | 8,2                  | 58                   | 115                  | 6       |
| F1131-8.3   | 8,3                  | 58                   | 115                  | 6       |
| F1131-8.4   | 8,4                  | 58                   | 115                  | 6       |
| F1131-8.5   | 8,5                  | 58                   | 115                  | 6       |
| F1131-8.7   | 8,7                  | 62                   | 124                  | 6       |
| F1131-8.8   | 8,8                  | 62                   | 124                  | 6       |
| F1131-8.9   | 8,9                  | 62                   | 124                  | 6       |
| F1131-9     | 9                    | 62                   | 124                  | 6       |
| F1131-9.1   | 9,1                  | 62                   | 124                  | 6       |
| F1131-9.2   | 9,2                  | 62                   | 124                  | 6       |
| F1131-9.3   | 9,3                  | 62                   | 124                  | 6       |
| F1131-9.4   | 9,4                  | 62                   | 124                  | 6       |
| F1131-9.5   | 9,5                  | 62                   | 124                  | 6       |
| F1131-9.6   | 9,6                  | 66                   | 133                  | 6       |

B3

WALTER  
SELECT

●● Основная область применения ● Возможная область применения  
 Оптимально подходит для → хороших = ☺ → нормальных = ☹ → неблагоприятных = ☹ условия обработки

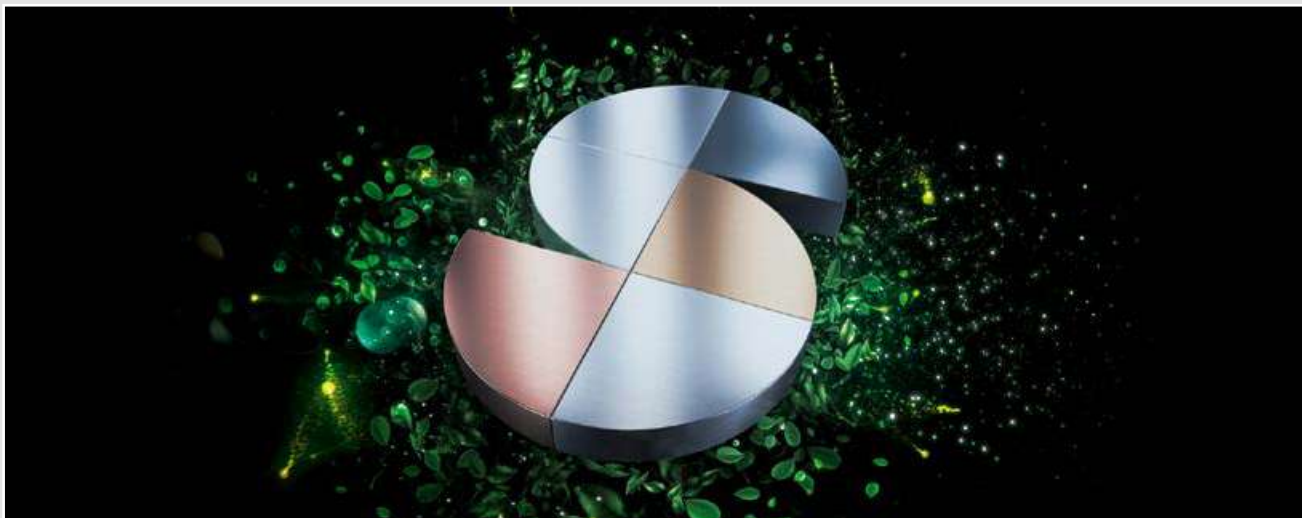
## Инструмент



Cylindrical shank

| Обозначение | D <sub>c</sub><br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | Z<br>EA |
|-------------|----------------------|----------------------|----------------------|---------|
| F1131-9.7   | 9,7                  | 66                   | 133                  | 6       |
| F1131-9.8   | 9,8                  | 66                   | 133                  | 6       |
| F1131-10    | 10                   | 66                   | 133                  | 6       |
| F1131-10.5  | 10,5                 | 66                   | 133                  | 6       |
| F1131-11    | 11                   | 71                   | 142                  | 6       |
| F1131-11.5  | 11,5                 | 71                   | 142                  | 6       |
| F1131-12    | 12                   | 76                   | 152                  | 6       |
| F1131-12.5  | 12,5                 | 76                   | 152                  | 6       |
| F1131-13    | 13                   | 76                   | 152                  | 6       |
| F1131-13.5  | 13,5                 | 81                   | 163                  | 8       |
| F1131-14    | 14                   | 81                   | 163                  | 8       |
| F1131-14.5  | 14,5                 | 81                   | 163                  | 8       |
| F1131-15    | 15                   | 81                   | 163                  | 8       |
| F1131-16    | 16                   | 87                   | 175                  | 8       |
| F1131-16.5  | 16,5                 | 87                   | 175                  | 8       |
| F1131-17    | 17                   | 87                   | 175                  | 8       |
| F1131-18    | 18                   | 93                   | 188                  | 8       |
| F1131-18.5  | 18,5                 | 93                   | 188                  | 8       |
| F1131-19    | 19                   | 93                   | 188                  | 8       |
| F1131-19.5  | 19,5                 | 100                  | 201                  | 8       |
| F1131-20    | 20                   | 100                  | 201                  | 8       |
| F1131-20.5  | 20,5                 | 100                  | 201                  | 8       |
| F1131-21    | 21                   | 100                  | 201                  | 8       |
| F1131-21.5  | 21,5                 | 100                  | 201                  | 8       |
| F1131-22    | 22                   | 107                  | 215                  | 8       |
| F1131-23    | 23                   | 107                  | 215                  | 8       |
| F1131-25    | 25                   | 115                  | 231                  | 8       |
| F1131-26    | 26                   | 115                  | 231                  | 8       |
| F1131-28    | 28                   | 124                  | 247                  | 10      |
| F1131-30    | 30                   | 124                  | 247                  | 10      |
| F1131-32    | 32                   | 133                  | 265                  | 10      |

B3



## Производство инструментов и оказание услуг с заботой об окружающей среде — полная прозрачность и сертифицированная комплексная система контроля

Walter — это компания, которая берет на себя ответственность за защиту здоровья людей и охрану окружающей среды. Забота об окружающей среде является главной составляющей общей стратегии нашей компании. Эта концепция реализуется как в производимой продукции, так и работе подразделений компании, она регулярно проверяется и сертифицируется независимыми третьими сторонами.

### Производство в соответствии с высокими стандартами

Все используемые нами процессы, процедуры, методы и ресурсы проверяются и оцениваются независимым органом на основе строгих критериев. Примерами этого являются безопасность труда, обеспечение качества и экологическая безопасность (например, за счет компенсации выбросов CO<sub>2</sub> при использовании нашей энергии). Наши социальные программы наглядно подтверждают, насколько трепетно Walter относится к взятым на себя обязательствам.

### Прозрачность всей производственной цепочки — для вашей уверенности

Walter реализует это в равной мере как в форме рационального использования ресурсов и средств производства, так и при постоянном взаимодействии со своими заказчиками, партнерами и сотрудниками. Чтобы вы могли быть уверены, что вся наша продукция соответствует этим требованиям по всей производственной цепочке, мы также применяем наши фирменные стандарты к своим субпоставщикам.

### Сертификаты

Интегрированная система менеджмента Walter сертифицирована в соответствии с требованиями следующих стандартов:

- ISO 9001 (менеджмент качества)
- ISO 14001 (менеджмент в области охраны окружающей среды)
- ISO 45001 (система управления охраной труда)
- ISO 50001 (энергоменеджмент)
- Сертифицирован по стандарту Ecovadis Gold Standard и рейтингу NQC

Подробную информацию о сертификатах Walter см. здесь:



### Охрана труда и здоровья

Walter защищает своих сотрудников от ущерба для их здоровья. Чтобы избежать несчастных случаев на производстве, мы постоянно проверяем наши процессы и принимаем соответствующие меры по предотвращению опасных ситуаций.



### Забота об окружающей среде и экономия энергоресурсов

Защита окружающей среды является важной корпоративной целью Walter. Мы заботимся об обеспечении энергоэффективности и стремимся к сокращению расхода энергии, воды и ценных ресурсов в нашей работе.



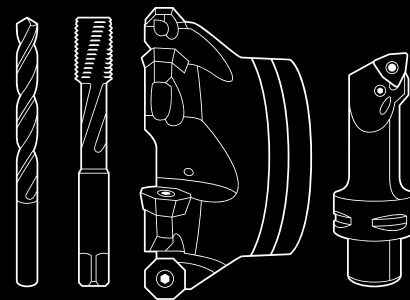
### Менеджмент качества

Walter постоянно улучшает свою продукцию и оптимизирует применяемые технологии. Мы обеспечиваем высокое качество своей продукции путем эффективных мер и процедур — и регулярно проверяем его с помощью нашей комплексной системы контроля.

# Walter AG

Derendinger Straße 53, 72072 Tübingen  
Postfach 2049, 72010 Tübingen  
Germany

walter-tools.com



## Europe

### Walter Austria GmbH

Wien, Österreich  
+43 1 5127300-0, service.at@walter-tools.com

### Walter Benelux N.V./S.A.

Zaventem, Belgique  
(B) +32 (02) 7258500  
(NL) +31 (0) 900 26585-22  
service.benelux@walter-tools.com

### Walter (Schweiz) AG

Solothurn, Schweiz  
+41 (0) 32 617 40 72, service.ch@walter-tools.com

### Walter CZ s.r.o

Kurim, Czech Republic  
+420 (0) 541 423352, service.cz@walter-tools.com

### Walter Deutschland GmbH

Tübingen, Deutschland  
+49 (0) 7071 701-400, service.de@walter-tools.com

### Walter France

Soultz-sous-Forêts, France  
+33 (0) 3 88 80 20 00, service.fr@walter-tools.com

### Walter Hungária Kft.

Budapest, Magyarország  
+36 1 464 7160, service.hu@walter-tools.com

### Walter Tools Ibérica S.A.U.

El Prat de Llobregat, España  
+34 934 796760, service.iberica@walter-tools.com

### Walter Italia s.r.l.

Via Volta, s.n.c., 22071 Cadorago - CO, Italia  
+39 031 926-111, service.it@walter-tools.com

### Walter Norden AB

Halmstad, Sweden  
+46 (0) 35 16 53 00, service.norden@walter-tools.com

### Walter Polska Sp. z o.o.

Warszawa, Polska  
+48 (0) 22 8520495, service.pl@walter-tools.com

### Walter Tools SRL

Timișoara, România  
+40 (0) 256 406218, service.ro@walter-tools.com

### Walter Tools d.o.o.

Maribor, Slovenija  
+386 (2) 629 01 30, service.si@walter-tools.com

### Walter Slovakia, s.r.o.

Nitra, Slovakia  
+421 (0) 37 3260 910, service.sk@walter-tools.com

### Walter Kesici Takımlar Sanayi ve Ticaret Ltd. Şti.

Bursa, Türkiye  
+90 (0) 224 909 5000 Pbx, service.tr@walter-tools.com

### Walter GB Ltd.

Bromsgrove, England  
+44 (1527) 839 450, service.uk@walter-tools.com

## Asia

### Walter Wuxi Co. Ltd.

Wuxi, Jiangsu, P.R. China  
+86 (510) 853 72199, service.cn@walter-tools.com

### Walter Wuxi Co. Ltd.

中国江苏省无锡市新区新畅南路 3 号  
电话 : +86-510-8537 2199 邮编 : 214028  
客服热线 : 400 1510 510  
邮箱 : service.cn@walter-tools.com

### Walter Tools India Pvt. Ltd.

Pune, India  
+91 (20) 6773 7300, service.in@walter-tools.com

### Walter Japan K.K.

Nagoya, Japan  
+81 (52) 533 6135, service.jp@walter-tools.com

### ワルタージャパン株式会社

名古屋市中村区名駅二丁目 45 番 7 号  
+81 (0) 52 533 6135, service.jp@walter-tools.com

### Walter Korea Ltd.

Anyang-si Gyeonggi-do, Korea  
+82 (31) 337 6100, service.wkr@walter-tools.com

### 한국발터(주)

경기도 안양시 동안구 학의로 282  
금강펜테리움 106호 14056  
+82 (0) 31 337 6100, service.wkr@walter-tools.com

### Walter Malaysia Sdn. Bhd.

Selangor D.E., Malaysia  
+60(3)-5624 4265, service.my@walter-tools.com

### Walter AG Singapore Pte. Ltd.

+65 6773 6180, service.sg@walter-tools.com

### Walter (Thailand) Co., Ltd.

Bangkok, 10120, Thailand  
+66 2 687 0388, service.th@walter-tools.com

## America

### Walter do Brasil Ltda.

Sorocaba – SP, Brasil  
+55 15 32245700, service.br@walter-tools.com

### Walter Canada

Mississauga, Canada  
service.ca@walter-tools.com

### Walter Tools S.A. de C.V.

El Marqués, Querétaro, México  
+52 (442) 478-3500, service.mx@walter-tools.com

### Walter USA, LLC

Greer, SC, USA  
+1 800-945-5554, service.us@walter-tools.com