ISCAR New Products

Metric Version-2-**2024**

YOU

MACHINING

INTELLIGENTLY?

Member IMC Group

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YOU MILLING INTELLIGENTLY?

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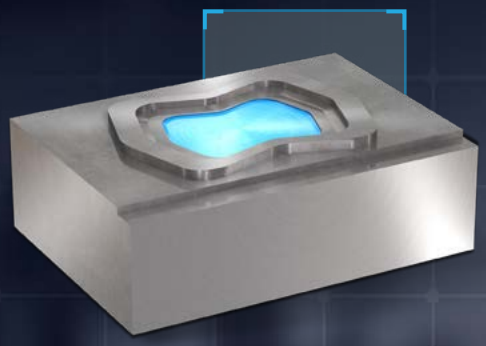
ISCAR

QUICK D MILL

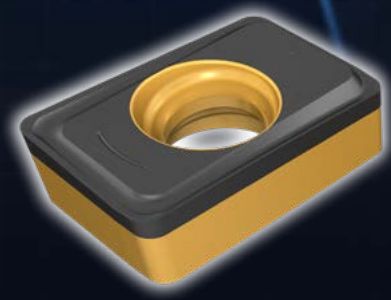
Combined Functions for Drilling and Milling In One Single Cutter for Maximum Machining Efficiency



Cutter Dia.:16mm, 20mm & 25mm

YOU Milling Intelligently?

QUICK-D-MILL Insert with 4 Cutting Edges. Two Outer Cutting Edges for Milling, 2 Center Cutting Edges for Drilling Applications. Incorporates Dovetail Clamping and Assures High Process Reliability.



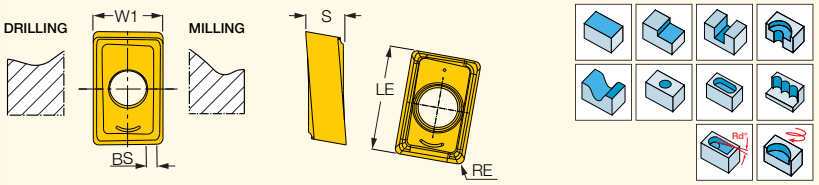
SCAN ME

LOGIQUICK
MACHINING INTELLIGENTLY

QUICKDMILL

MDR ANMU PNTR

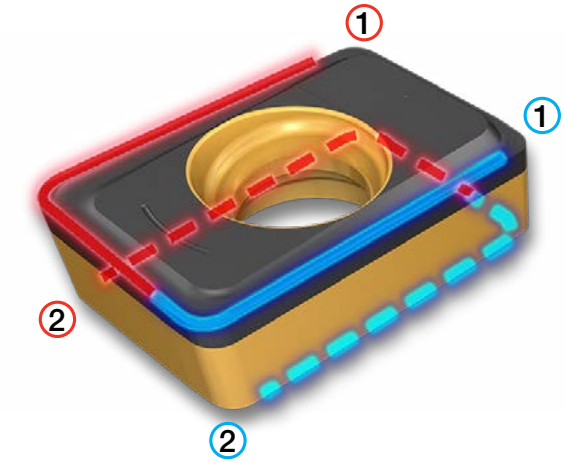
Double-Sided Rectangle Inserts with 2 Center Cutting Edges for Drilling and 2 Peripheral Cutting Edges for Milling



Designation	Dimensions W1	LE	S	BS	RE	Tough ↔ Hard IC830	IC808	IC810	Recommended Machining Data f_z (mm/t)
MDR ANMU 070304PNTR	5.20	7.80	2.70	0.80	0.40	●	●	●	0.05-0.20
MDR ANMU 090305PNTR	6.30	9.40	3.15	0.80	0.50	●	●	●	0.05-0.23
MDR ANMU 120408PNTR	7.50	12.40	4.07	0.80	0.80	●	●	●	0.05-0.23

Two center edges

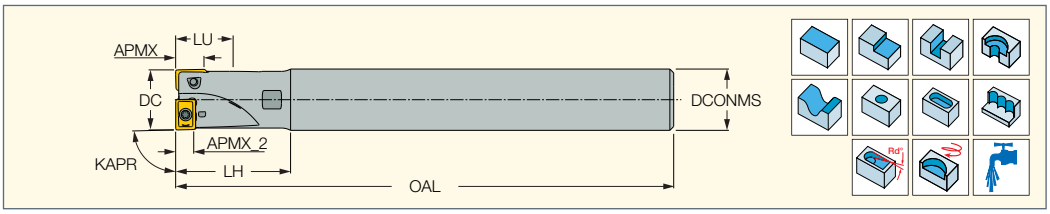
Two peripheral edges



QUICKDMILL

MDR D-C-AN

Multi-Function Endmill Cutters



Designation	DC	APMX	APMX_2	KAPR(1)	CICT(2)	LU(3)	LH	OAL	DCONMS	Shank	MDN(4)	MDX(5)	MIID(6)	kg
MDR D16-2-C16-AN07	16.00	7.30	4.70	90.0	2	12.00	30.0	130.00	16.00	C	16.80	30.80	MDR ANMU 0703...	0.14
MDR D20-2-C20-AN09	20.00	8.90	5.70	90.0	2	15.00	35.0	145.00	20.00	C	21.80	38.20	MDR ANMU 0903...	0.30
MDR D25-2-C25-AN12	25.00	11.50	6.50	90.0	2	18.50	50.0	150.00	25.00	C	26.30	47.60	MDR ANMU 1204...	0.47

- When drilling holes deeper than 5 mm, it is recommended to use the pecking method (G83)

(1) Tool cutting edge angle

(2) Number of inserts (or edges for solid tool)

(3) Max.drilling depth

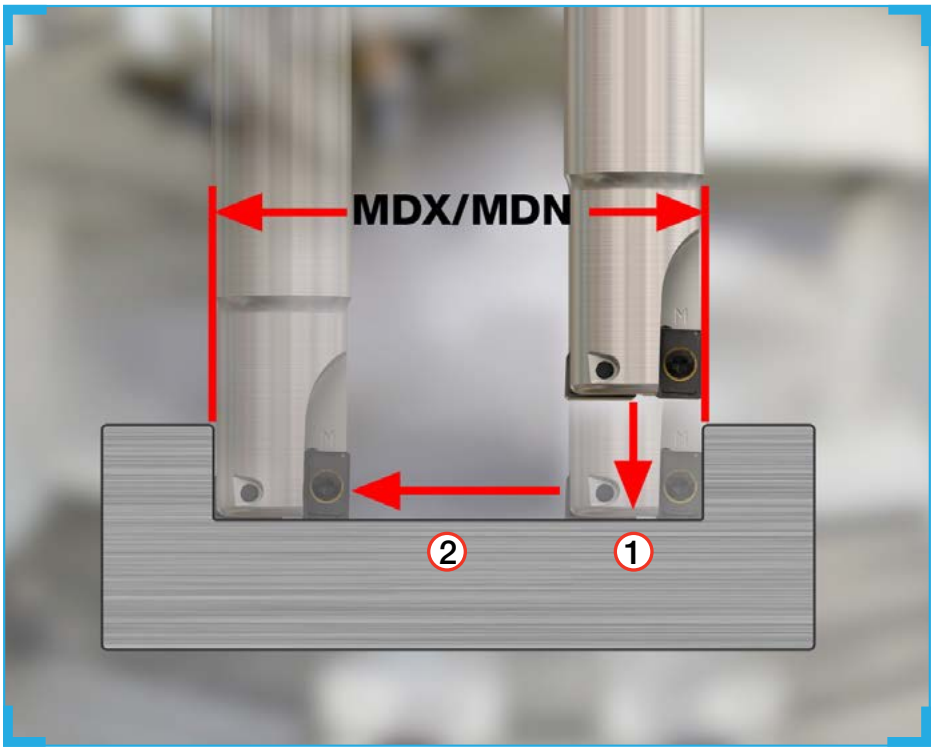
(4) Minimum diameter to obtain a flat-bottom pocket having no protrusions by use of helical or circular interpolation

(5) Maximum diameter to obtain a flat-bottom pocket having no protrusions by use of helical or circular interpolation

(6) Master insert identification

Spare Parts

Designation		
MDR D16-2-C16-AN07	SR M2.5-L6-D3.25-T7	T-7/51
MDR D20-2-C20-AN09	SR 10508082-HG	T-8/53
MDR D25-2-C25-AN12	SR 14-571	T-10/51



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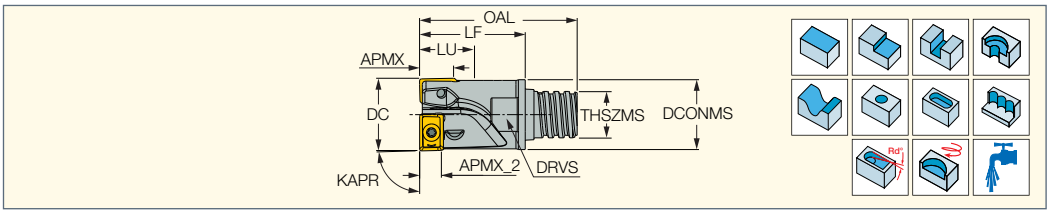
QUICKDMILL

MDR MMT-JHP

Multi-Function Modular Head for Endmill Cutters with a MULTI-MASTER Threaded Adaptation



Designation	DC	APMX	APMX_2	KAPR(1)	CICT(2)	LU(3)	LF	OAL	THSZMS	DCONMS	DRVS(4)	RMPX°(5)	MDN(6)	MDX(7)	MIID(8)	kg
MDR D16/.63-2-MMT10-07JHP	16.00	7.30	4.70	90.0	2	12.00	23.00	34.30	T10	15.20	13.0	90.0	16.80	30.80	MDR ANMU 07	0.07
MDR D20/.79-2-MMT12-09JHP	20.00	8.90	5.70	90.0	2	15.00	24.70	38.00	T12	18.30	16.0	90.0	21.80	38.20	MDR ANMU 09	0.08
MDR D25/.98-2-MMT15-12JHP	25.00	11.50	6.50	90.0	2	18.50	33.00	50.00	T15	23.90	20.0	90.0	26.30	47.60	MDR ANMU 12	0.08

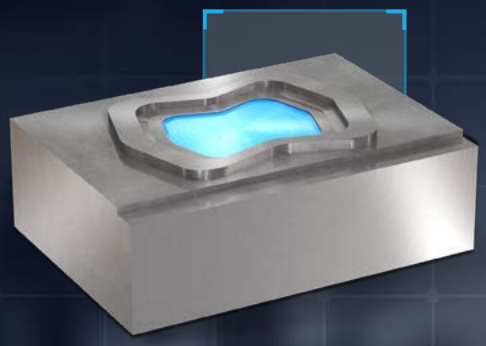
- Do not apply lubricant to the MULTI-MASTER threaded connection
- When drilling holes deeper than 5 mm, it is recommended to use the pecking method (G83)

(1) Tool cutting edge angle
(2) Number of inserts (or edges for solid tool)
(3) Max.drilling depth
(4) Torque key size
(5) Maximum ramping angle
(6) Minimum diameter to obtain a flat-bottom pocket having no protrusions by use of helical or circular interpolation
(7) Maximum diameter to obtain a flat-bottom pocket having no protrusions by use of helical or circular interpolation
(8) Master insert identification

Spare Parts

Designation		
MDR D16/.63-2-MMT10-07JHP	SR M2.5-L6-D3.25-T7	T-7/51
MDR D20/.79-2-MMT12-09JHP	SR 10508082-HG	T-8/53
MDR D25/.98-2-MMT15-12JHP	SR 14-571	T-10/51

MULTI-MASTER



New MULTI-MASTER High Feed Heads with 6 Effective Cutting Edges

Dia: 8, 10, 12, 16, 20 & 25 mm.

YOU Milling Intelligently?

The New Heads Have Ramping and Slotting Capabilities.

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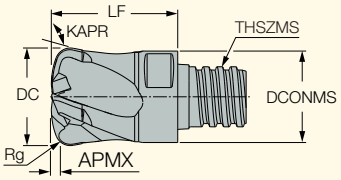
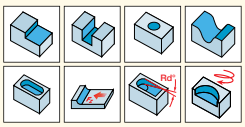
MULTI FEED MASTER

MM EFF

6 Flute Solid Carbide Heads for Milling at Very Fast Feeds and Small D.O.C.





Designation	Dimensions DC	NOF[1]	APMX	THSZMS	DCONMS	LF	RMPX°[2]	KAPR[3]	Rg[4]	CSP[5]	IC903	Recommended Machining Data f_z (mm/t)
MM EFF080S2R0.86-6T05	8.00	6	0.40	T05	7.50	10.00	5.0	97.0	0.86	0	●	0.12-0.48
MM EFF100S2R1.0-6T06	10.00	6	0.45	T06	9.50	13.00	5.0	97.0	1.00	0	●	0.16-0.57
MM EFF120S3R1.2-6T08	12.00	6	0.65	T08	11.50	16.50	5.0	97.0	1.20	0	●	0.16-0.67
MM EFF127S3R1.3-6T08	12.70	6	0.70	T08	12.70	16.50	5.0	97.0	1.30	0	●	0.16-0.67
MM EFF160S4R2.0-6T10	16.00	6	1.05	T10	15.40	20.50	5.0	97.0	2.00	0	●	0.20-0.75
MM EFF200S5R2.2-6T12	20.00	6	1.25	T12	18.45	25.50	5.0	97.0	2.20	0	●	0.20-0.90
MM EFF250S6R2.5-6T15	25.00	6	1.55	T15	23.90	25.00	5.0	97.0	2.50	0	●	0.25-1.00

- Do not apply lubricant to the threaded connection
- Heads with coolant supply are recommended for shouldering operations

[1] Number of flutes
[2] Maximum ramping angle
[3] Tool cutting edge angle
[4] Radius for programming
[5] 0 - Without coolant supply, 1 - With coolant supply

MULTI MASTER Machining Recommendations for MM EFF Heads

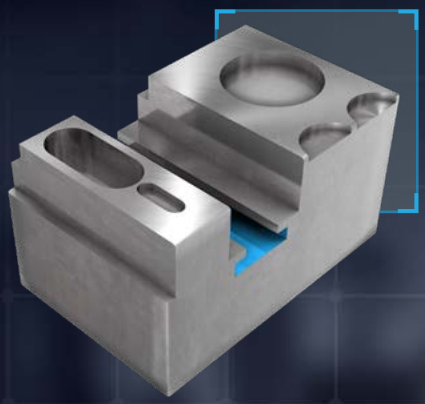
VDI 3323	Material Group[1]	v_c (m/min)	a_p	a_e	f_z (mm/t) vs. Tool Diameter (mm) 8	10	12	16	20	25
P	1	180	0.045xD	0.7xD	0.48	0.57	0.67	0.75	0.90	1.00
	2	160	0.045xD	0.7xD	0.48	0.57	0.67	0.75	0.90	1.00
	3	160	0.045xD	0.7xD	0.48	0.57	0.67	0.75	0.90	1.00
	4	160	0.045xD	0.7xD	0.48	0.57	0.67	0.75	0.90	1.00
	5	150	0.045xD	0.7xD	0.43	0.50	0.57	0.65	0.75	0.87
	6	150	0.045xD	0.7xD	0.33	0.40	0.48	0.57	0.67	0.78
	7	140	0.045xD	0.7xD	0.33	0.40	0.48	0.57	0.67	0.78
	8	140	0.045xD	0.7xD	0.30	0.35	0.43	0.52	0.60	0.70
	9	140	0.045xD	0.7xD	0.30	0.35	0.43	0.52	0.60	0.70
	10	130	0.04xD	0.6xD	0.28	0.33	0.38	0.48	0.57	0.67
	11	120	0.04xD	0.6xD	0.25	0.30	0.35	0.43	0.52	0.62
	12, 13	120	0.04xD	0.6xD	0.30	0.35	0.43	0.52	0.60	0.70
K	15-16	180	APMX	0.7xD	0.45	0.52	0.60	0.70	0.80	0.90
	17-18	160	APMX	0.7xD	0.38	0.45	0.52	0.60	0.70	0.80
H	38.1[2]	100	0.035xD	0.45xD	0.20	0.25	0.33	0.40	0.48	0.55
	38.2[3]	80	0.03xD	0.3xD	0.16	0.22	0.30	0.38	0.45	0.52
	39[4]	60	0.02xD	0.25xD	0.12	0.16	0.16	0.20	0.20	0.25

[1] ISCAR material group in accordance with VDI 3323 standard
[2] 45-49 HRC
[3] 50-55 HRC
[4] 56-63 HRC

a_p - maximum depth of cut
a_e - maximum width of cut

HELISLOT

Slotting Cutters with a Unique Helical Shaped Insert with 8 Cutting Edges



Slot Widths: 7 – 10mm
Dia. Range: 32 – 160mm

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Unique Twisted Insert with a High Positive Rake Angle. Helical Shape for Easy and Accurate Cut.

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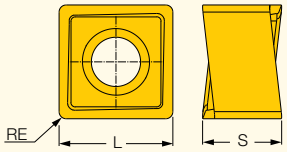
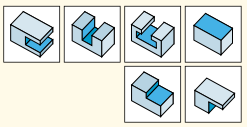
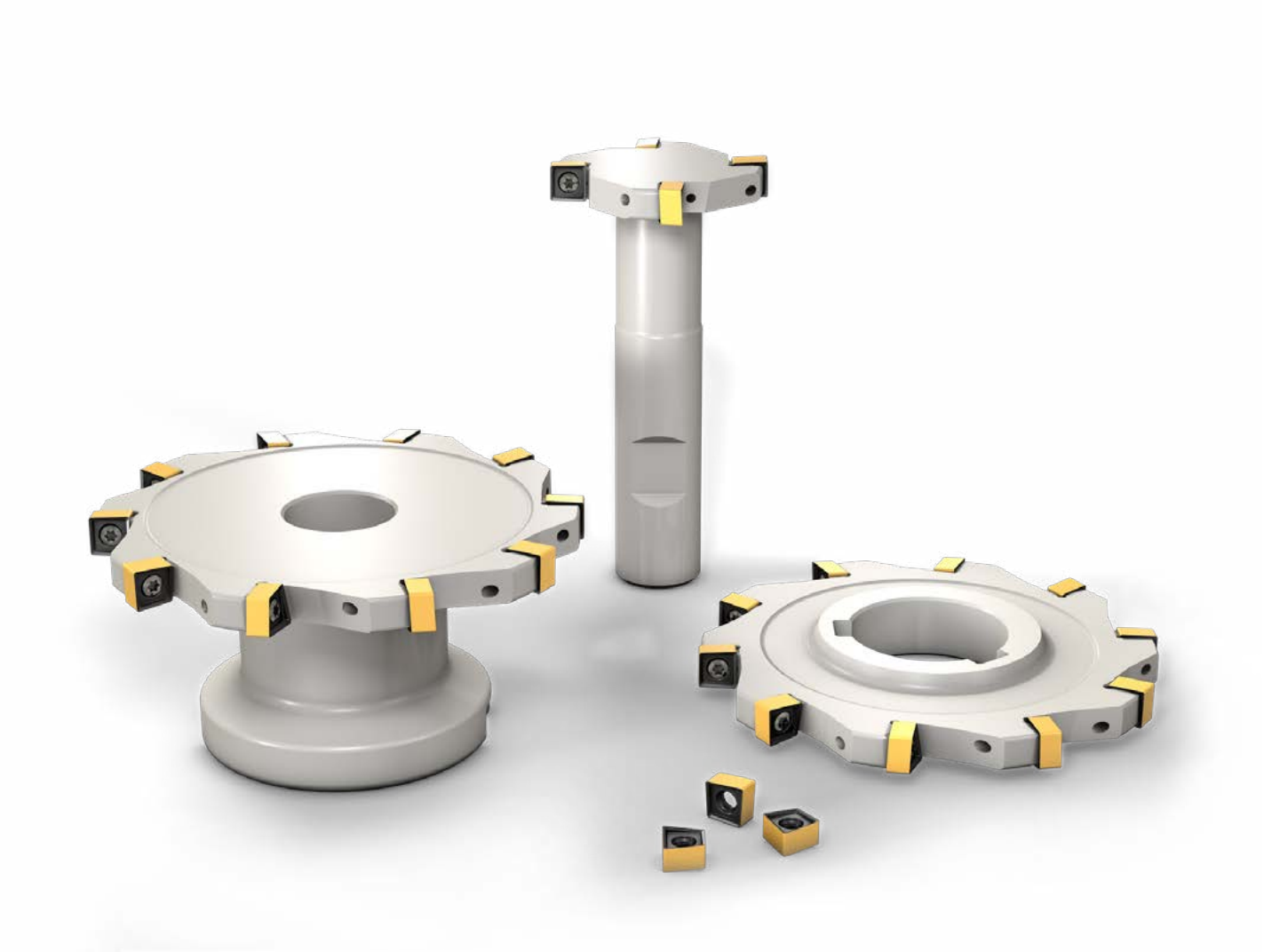
HELISLOT

XNMU 06
Square Inserts with 4 Right- and 4 Left-Hand Cutting Edges



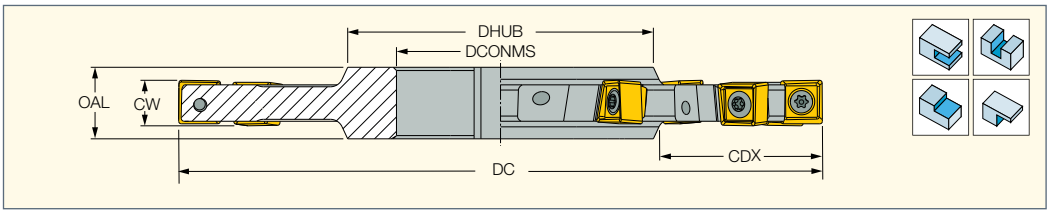


Designation	Dimensions APMX	L	S	RE	Tough ↔ Hard IC830	IC808	IC810	Recommended Machining Data f_z (mm/t)
XNMU 060304-PNTN	6.00	6.40	4.40	0.40	●	●	●	0.05-0.12



HELISLOT

SDN-XN06
Full Slot Disk Type Slotting Cutters Carrying XNMU 0603 Square Inserts with 4 Right- and 4 Left-Hand Cutting Edges



Designation	DC	CW	CICT(1)	ZEFP	CDX	DHUB	DCONMS	OAL
SDN D063-07-22-XN06	63.00	7.00	8	8	15.00	30.00	22.00	11.00
SDN D080-07-27-XN06	80.00	7.00	10	10	19.00	38.00	27.00	11.00
SDN D080-08-27-XN06	80.00	8.00	10	5	19.00	38.00	27.00	11.00
SDN D100-07-32-XN06	100.00	7.00	12	12	23.00	47.00	32.00	11.00
SDN D125-07-40-XN06	125.00	7.00	14	14	27.00	55.00	40.00	11.00

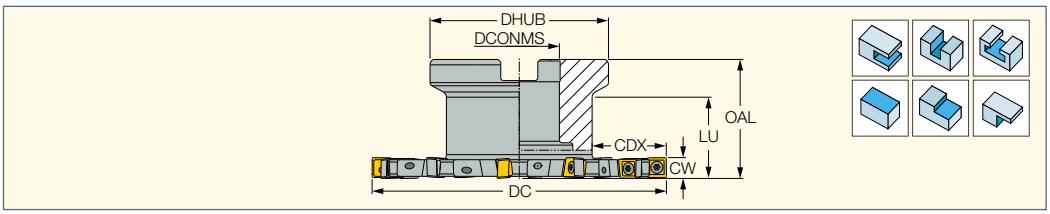
(1) Number of inserts (or edges for solid tool)

Spare Parts

Designation		
SDN-XN06	SR M2.5X6-T7-60	T-7/51

HELISLOT

FDN-XN06
Full Slot Flange Type Slotting Cutters Carrying XNMU 0603 Square Inserts with 4 Right- and 4 Left-Hand Cutting Edges

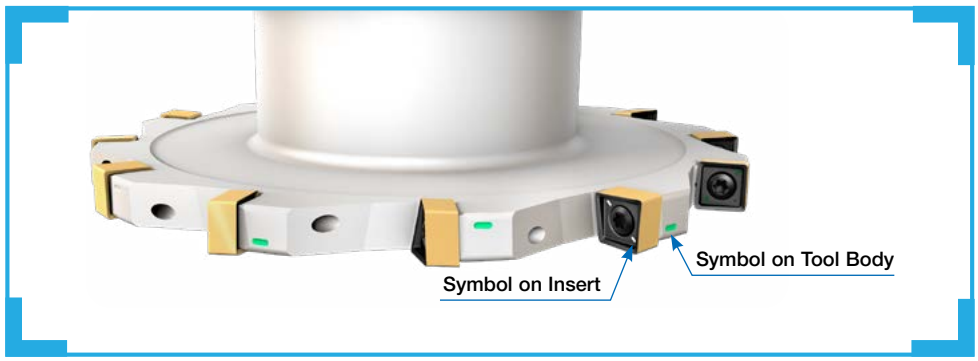


Designation	DC	CW	CICT(1)	ZEFP	CDX	DHUB	DCONMS	LU	OAL	Arbor	kg
FDN D063-07-16-XN06	63.00	7.00	8	8	17.00	38.00	16.00	28.5	40.00	A	0.18
FDN D080-07-22-XN06	80.00	7.00	10	10	20.00	48.00	22.00	28.5	40.00	A	0.55
FDN D080-08-22-XN06	80.00	8.00	10	5	20.00	48.00	22.00	28.5	40.00	A	0.39
FDN D100-07-27-XN06	100.00	7.00	12	12	23.00	60.00	27.00	28.5	40.00	B	0.18
FDN D100-08-27-XN06	100.00	8.00	12	6	23.00	60.00	27.00	28.5	40.00	B	0.64
FDN D125-07-32-XN06	125.00	7.00	14	14	27.00	65.00	32.00	31.5	45.00	B	0.00
FDN D125-09-32-XN06	125.00	9.00	14	7	27.00	65.00	32.00	31.5	45.00	B	1.04
FDN D160-10-40-XN06	160.00	10.00	18	9	30.00	80.00	40.00	45.0	60.00	B	1.99

(1) Number of inserts (or edges for solid tool)

Spare Parts

Designation			
FDN D063-07-16-XN06	SR M2.5X6-T7-60	T-7/51	SR M8X25DIN912
FDN D080-07-22-XN06	SR M2.5X6-T7-60	T-7/51	
FDN D080-08-22-XN06	SR M2.5X6-T7-60	T-7/51	SR M10X25 DIN912
FDN D100-07-27-XN06	SR M2.5X6-T7-60	T-7/51	
FDN D100-08-27-XN06	SR M2.5X6-T7-60	T-7/51	
FDN D125-07-32-XN06	SR M2.5X6-T7-60	T-7/51	
FDN D125-09-32-XN06	SR M2.5X6-T7-60	T-7/51	
FDN D160-10-40-XN06	SR M2.5X6-T7-60	T-7/51	



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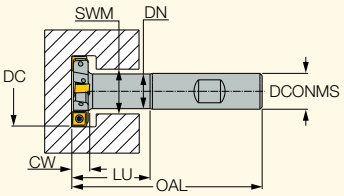
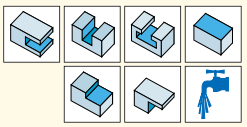
ETS-XN06

T-SLOT Endmills Carrying XNMU 0603 Square Inserts with 4 Right- and 4 Left-Hand Cutting Edges





Designation	DC	CICT(1)	ZEFP	DN	SWM	CW	LU	OAL	DCONMS	Shank(2)	kg
ETS D032-07-W16-XN06	32.00	4	4	15.50	17.00	7.00	30.00	80.00	16.00	W	0.20
ETS D032-08-W16-XN06	32.00	4	2	15.50	17.00	8.00	35.00	85.00	16.00	W	0.13
ETS D040-07-W16-XN06	40.00	4	4	15.50	17.00	7.00	30.00	80.00	16.00	W	0.14
ETS D040-08-W16-XN06	40.00	4	2	15.50	17.00	8.00	35.00	85.00	16.00	W	0.15
ETS D050-07-W20-XN06	50.00	6	6	19.50	21.00	7.00	33.00	85.00	20.00	W	0.22
ETS D050-10-W20-XN06	50.00	6	3	19.50	21.00	10.00	38.00	90.00	20.00	W	0.25

(1) Number of inserts (or edges for solid tool)
(2) W-Weldon

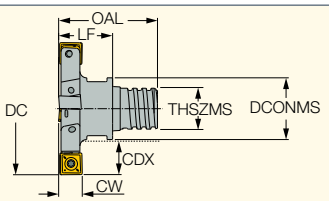
Spare Parts

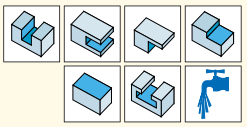
Designation		
ETS-XN06	SR M2.5X6-T7-60	T-7/51

HELISLOT

ETS-XN06-MM

T-SLOT Endmills with a MULTI-MASTER Threaded Connection, Mount XNMU 0603 Square Inserts



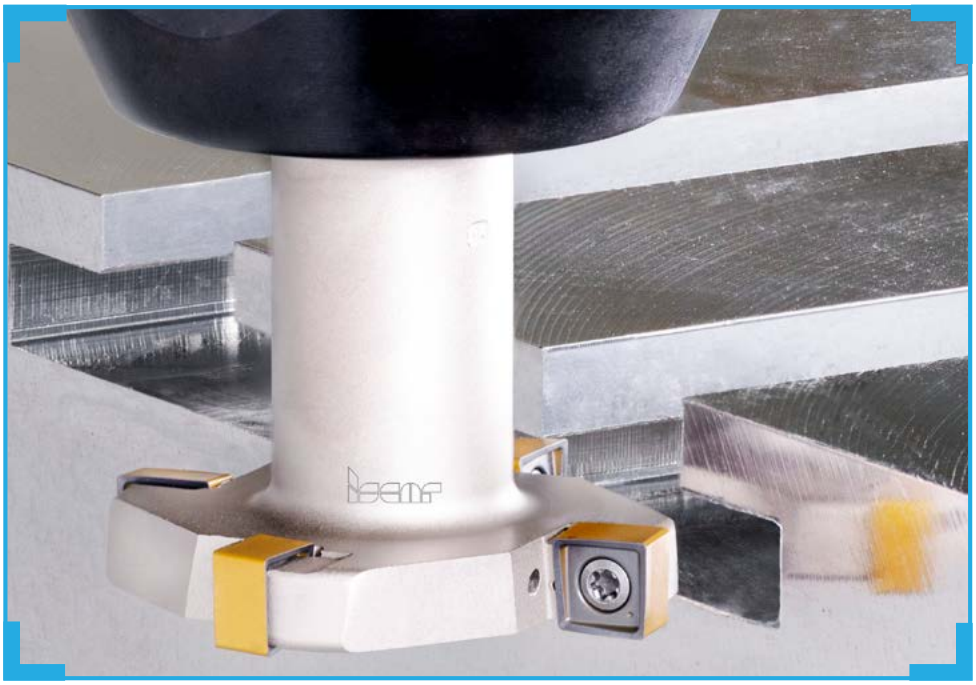


Designation	DC	CICT(1)	ZEFP	CW	CDX	DCONMS	THSZMS	LF	OAL	DRVS(2)
ETS D032-07-XN06-MMT10	31.70	4	4	7.00	7.70	15.30	T10	16.00	27.30	13.0
ETS D040-07-XN06-MMT12	39.80	4	4	7.00	10.00	18.30	T12	16.00	29.30	16.0
ETS D050-07-XN06-MMT15	49.80	6	6	7.00	12.50	23.90	T15	19.00	36.00	20.0

(1) Number of inserts (or edges for solid tool)
(2) Torque key size

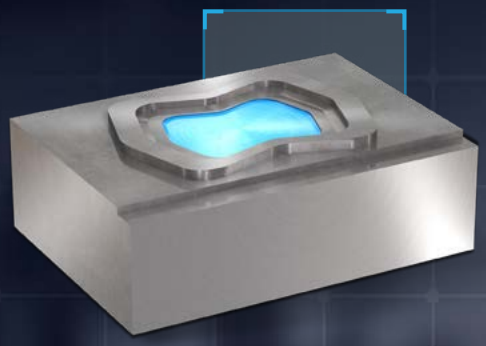
Spare Parts

Designation		
ETS-XN06-MM	SR M2.5X6-T7-60	T-7/51



MILL4FEED

Small 06 High Feed Square Inserts with 4 Positive Cutting Edges for Machining Diverse Material Types



For Machining Deep Cavities on a Wide Variety of Materials.

YOU Milling Intelligently?

Deep Cavity Machining at High Overhangs and High Feed Rates. Assures Stable Machining, No Vibrations for Fast Metal Removal.

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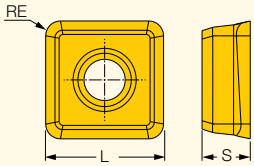
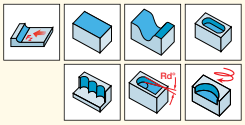
MACHINING INTELLIGENTLY

MILL4FEED

FFQ4 SOMT/W 0602

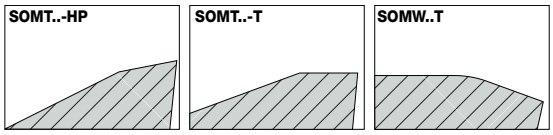
Single-Sided Square Inserts
with 4 Cutting Edges
for Fast Feed Milling





Designation	Dimensions L	S	RE	Tough ↔ Hard IC882	IC840	IC830	IC808	Recommended Machining Data a_p (mm)	f_z (mm/t)
FFQ4 SOMT 060210HP	5.50	2.00	1.00	●	●			0.20-0.70	0.20-0.90
FFQ4 SOMT 060210T	5.50	2.04	1.00			●	●	0.20-0.70	0.20-1.00
FFQ4 SOMW 060213T	5.60	2.11	1.30				●	0.20-0.60	0.20-1.00

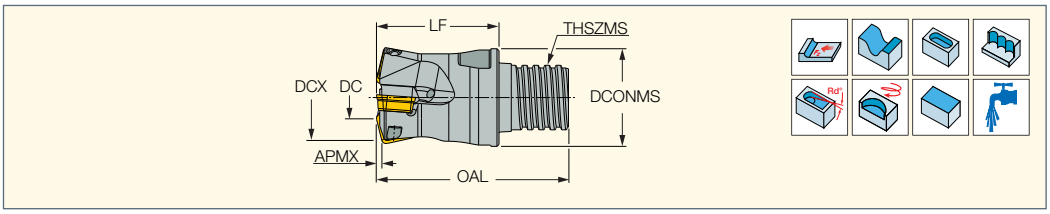
- For side plunging, the initial cutting feed is 0.1 mm/t
- T type for steel, ferritic and martensitic stainless steel and cast iron
- HP type for austenitic stainless steel and high temperature alloys
- SOMW- flat insert for hard material (up to 60 HRC) and uneven surface



MILL4FEED

FFQ4 D-MM-06

Fast Feed Endmills with MULTI-MASTER Threaded Adaptation Carrying Single-Sided Square Inserts with 4 Cutting Edges



Designation	DCX(1)	DC	APMX	AE(2)	CICT(3)	THSZMS	LF	OAL	DCONMS	DRVS(4)	RMPX°(5)	MDN	MDX	MIID(6)	kg	TQ
FFQ4 D16/.63-03-MMT10-06	16.00	7.20	0.70	4.4	3	T10	16.00	27.30	15.20	13.0	6.0	23.20	31.00	FFQ4 SOMT 060210T	0.02	0.9
FFQ4 D20-04-MMT12-06	20.00	11.20	0.70	4.4	4	T12	25.00	38.30	18.80	16.0	3.5	31.20	39.00	FFQ4 SOMT 060210T	0.05	0.9
FFQ4 D25/.98-05-MMT15-06	25.00	16.20	0.70	4.4	5	T15	30.00	47.00	24.00	20.0	2.2	41.20	49.00	FFQ4 SOMT 060210T	0.09	0.9
FFQ4 D32/1.26-07-MMT21-06	32.00	23.20	0.70	4.4	7	T21	30.00	53.10	29.40	24.0	1.4	55.20	63.00	FFQ4 SOMT 060210T	0.17	0.9

• Do not apply lubricant to the MULTI-MASTER threaded connection. • To generate a straight surface without cusps, the width of cut must not exceed DC.
• Radius for programing: for insert SOMT 1.7 mm, for insert SOMW 1.9 mm. • When mounting insert SOMW, APMX=0.6 mm • For slot milling or machining with high tool overhang, the maximum depth of cut should be reduced by 50%.

(1) Cutting diameter maximum
(2) Maximum plunging width
(3) Number of inserts (or edges for solid tool)
(4) Torque key size
(5) Maximum ramping angle
(6) Master insert identification

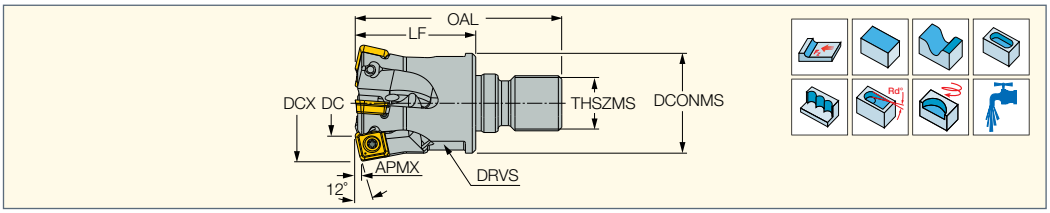
Spare Parts

Designation		
FFQ4 D-MM-06	SR 10516050-L4.6	IP-7/51

MILL4FEED

FFQ4 D-M-06

Fast Feed Endmills with FLEXFIT Threaded Adaptation Carrying Single-Sided Square Inserts with 4 Cutting Edges



Designation	DCX(1)	DC	APMX	AE(2)	CICT(3)	LF	OAL	DCONMS	THSZMS	RMPX°(4)	MDN	MDX	DRVS(5)	MIID(6)	kg	TQ	TQ_3(7)
FFQ4 D20-04-M10-06	20.00	11.20	0.70	4.4	4	25.00	45.00	18.00	M10	3.5	31.20	39.00	15.1	FFQ4 SOMT 060210T	0.04	0.9	40
FFQ4 D25-05-M12-06	25.00	16.20	0.70	4.4	5	30.00	52.00	21.00	M12	2.2	41.20	49.00	17.1	FFQ4 SOMT 060210T	0.18	0.9	40
FFQ4 D32-07-M16-06	32.00	23.20	0.70	4.4	7	30.00	55.00	29.40	M16	1.4	55.20	63.00	25.1	FFQ4 SOMT 060210T	0.16	0.9	40

• To generate a straight surface without cusps, the width of cut must not exceed DC • Radius for programming: for insert SOMT 1.7 mm, for insert SOMW 1.9 mm
• When mounting insert SOMW, APMX=0.6 mm • For slot milling or machining with high tool overhang, the maximum depth of cut should be reduced by 50%

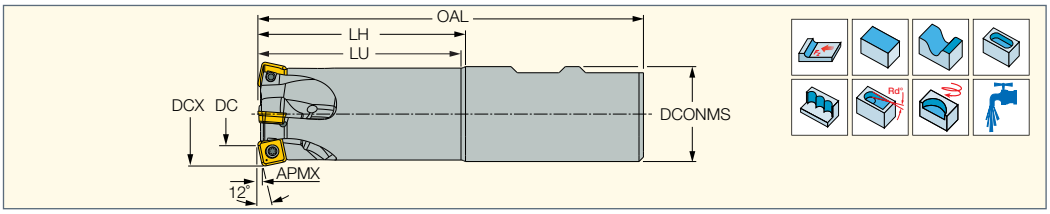
(1) Cutting diameter maximum
(2) Maximum plunging width
(3) Number of inserts (or edges for solid tool)
(4) Maximum ramping angle
(5) Torque key size
(6) Master insert identification
(7) Tool tightening torque Nxm (lbfxin)

Spare Parts

Designation		
FFQ4 D-M-06	SR 10516050-L4.6	IP-7/51

MILL4FEED

FFQ4 D-C/W-06
Fast Feed Endmills Carrying Single-Sided Square Inserts with 4 Cutting Edges



Designation	DCX[1]	DC	APMX	AE[2]	CICT[3]	LU	LH	DCONMS	OAL	Shank	RMPX°[4]	MDN	MDX	MIID[5]	kg	TQ
FFQ4 D16-03-C16-06	16.00	7.20	0.70	4.4	3	24.50	26.0	16.00	90.00	C	6.0	23.20	31.00	FFQ4 SOMT 060210T	0.11	0.9
FFQ4 D20-04-C20-06	20.00	11.20	0.70	4.4	4	40.00	42.0	20.00	130.00	C	3.5	31.20	39.00	FFQ4 SOMT 060210T	0.27	0.9
FFQ4 D25-05-W25-06	25.00	16.20	0.70	4.4	5	50.00	52.0	25.00	110.00	W	2.2	41.20	49.00	FFQ4 SOMT 060210T	0.33	0.9
FFQ4 D32-07-W32-06	32.00	23.20	0.70	4.4	7	64.00	66.0	32.00	130.00	W	1.4	55.20	63.00	FFQ4 SOMT 060210T	0.68	0.9

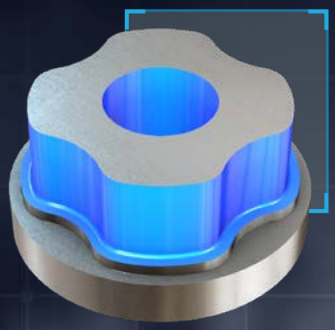
- To generate a straight surface without cusps, the width of cut must not exceed DC • Radius for programming: for insert SOMT 1.7 mm, for insert SOMW 1.9 mm
- When mounting insert SOMW, APMX=0.6 mm • For slot milling or machining with high tool overhang, the maximum depth of cut should be reduced by 50%

(1) Cutting diameter maximum
(2) Maximum plunging width
(3) Number of inserts (or edges for solid tool)
(4) Maximum ramping angle
(5) Master insert identification

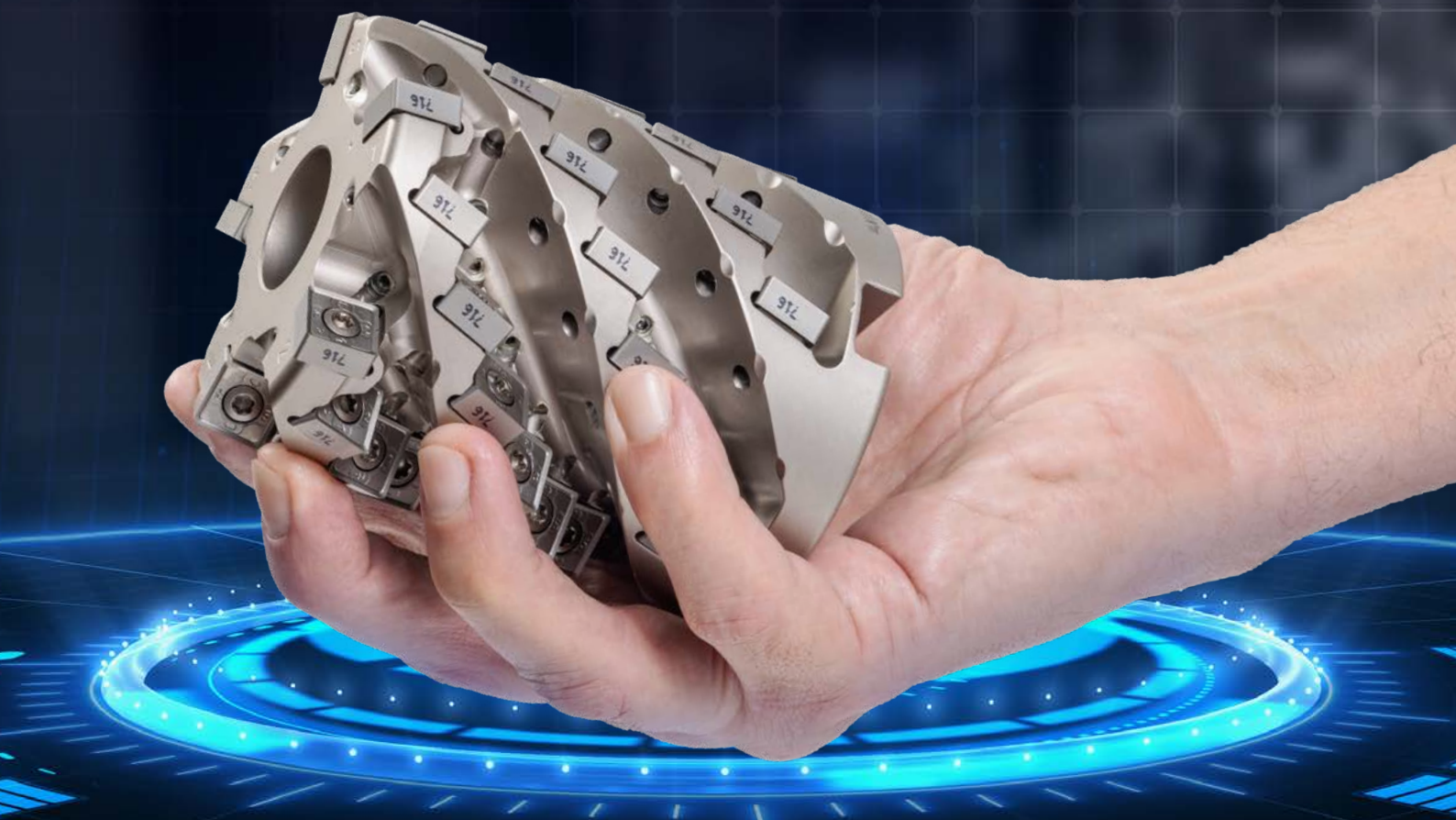
Spare Parts

Designation		
FFQ4 D-C/W-06	SR 10516050-L4.6	IP-7/51

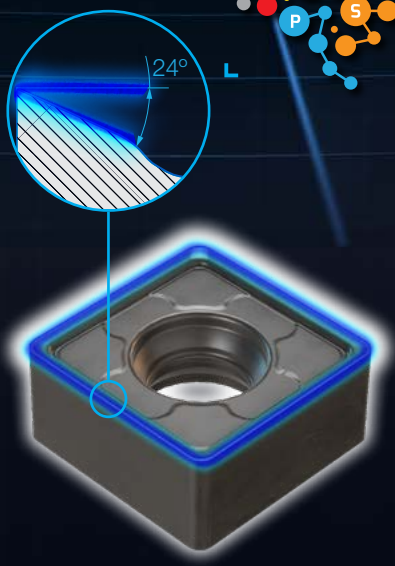
QUICKXFLUTE



Innovative Extended Flute Cutters Optimized for Efficient and Cost-effective Roughing at High Material Removal Rates



Shellmill Diameter: 63 and 80mm.
Direct Coolant to Each Insert.



YOU Milling Intelligently?

Economical Double-sided Square 13mm Inserts for High-Strength Steel, Stainless Steel, and Aerospace Materials.

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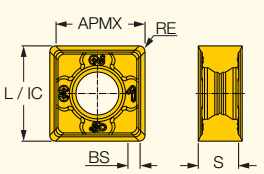
MACHINING INTELLIGENTLY

QUICKXFLUTE

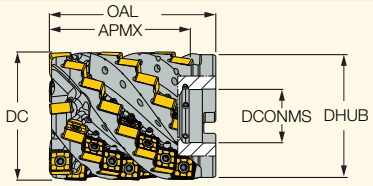
S890 SNMU 1306HP
Double-Sided Square Inserts
with 8 Cutting Edges



Designation	Dimensions IC	S	APMX	BS	RE	Tough ↔ Hard IC882	IC716	IC840	IC830	IC5820	Recommended Machining Data a_p (mm)	f_z (mm/t)
S890 SNMU 130608HP	13.00	5.00	12.20	11.40	0.80	•	•	•	•	•	1.00-12.20	0.07-0.20
S890 SNMU 130632HP	13.00	5.00	12.20	9.00	3.20		•	•			3.40-12.20	0.07-0.20
S890 SNMU 130640HP	13.00	5.00	12.20	8.20	4.00		•	•			4.20-12.20	0.07-0.20

QUICKXFLUTE

S890 SM
Extended Flute Cutters Carrying
Double-Sided Square Inserts
with 8 Cutting Edges

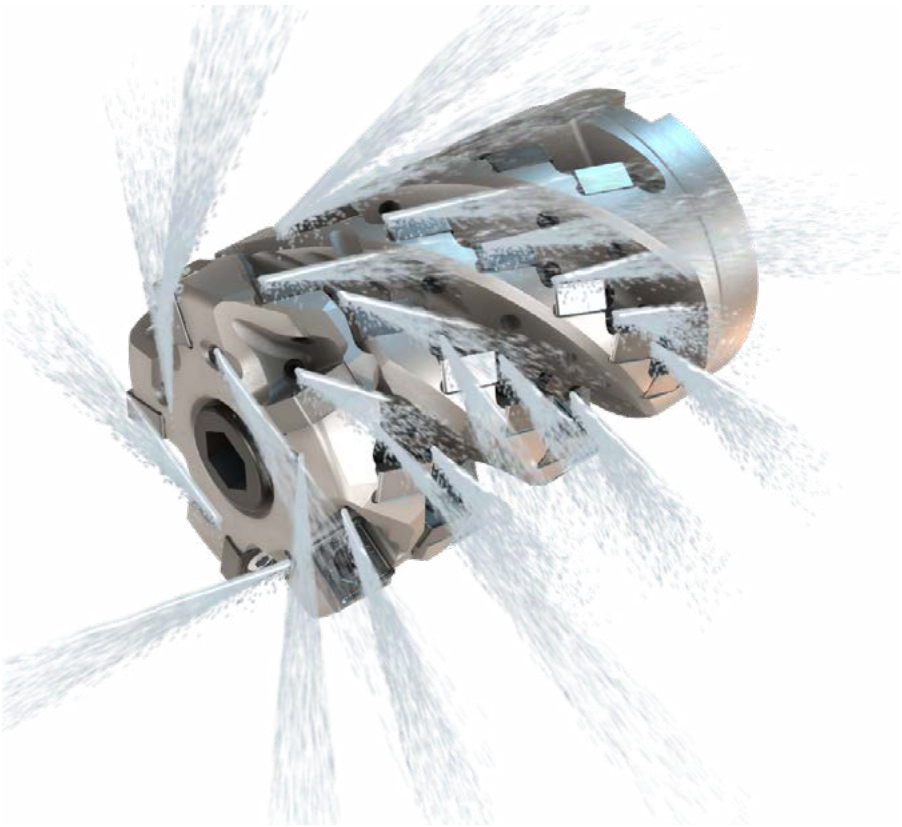


Designation	DC	APMX	NOF(1)	DCONMS	CICT(2)	OAL	DHUB	Arbor	kg
S890 SM D63-71-4-27-13	63.00	71.00	4	27.00	32	92.00	60.00	A	1.50
S890 SM D80-83-5-32-13	80.00	83.00	5	32.00	40	100.00	78.00	A	1.89

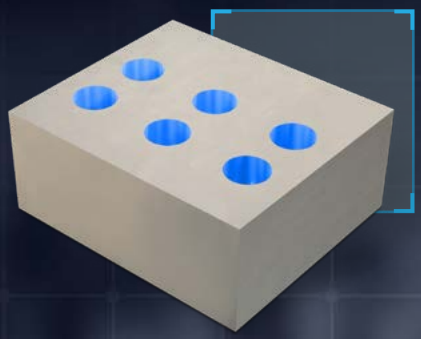
• When using inserts with a corner radius of above 3.2mm, the pockets in the first row of the tool body should be modified to accommodate larger insert corners.
(1) Number of flutes
(2) Number of inserts

Spare Parts

Designation					
S890 SM D63-71-4-27-13	SR 10513105-L10.5	BLD IP20/S7-4MM	SW6-T-SH	SR M12X80DIN912	NOZZLE 1.2 569102604 L5.5
S890 SM D80-83-5-32-13	SR 10513105-L10.5	BLD IP20/S7-4MM	SW6-T-SH	SR M16X84DIN912	NOZZLE 1.2 569102604 L5.5



MULTI-MASTER



Modular MULTI-MASTER Drill Head with 3 Effective Cutting Edges

Smooth Cut with Less Vibrations Due to the Solid Core.

YOU Drilling Intelligently?

The New Drilling Head Can be Mounted on All MULTI-MASTER Holders. Recommended for Shallow Depths and High Overhangs.

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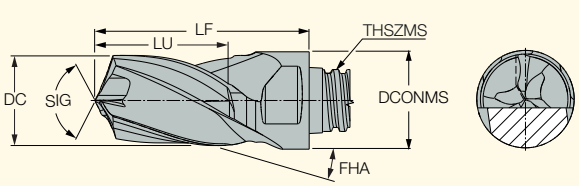
MACHINING INTELLIGENTLY

MULTI-MASTER
INDEXABLE SOLID CARBIDE LINE

MM SPD-3T
Three-Flute Exchangeable
Solid Carbide Drilling Heads

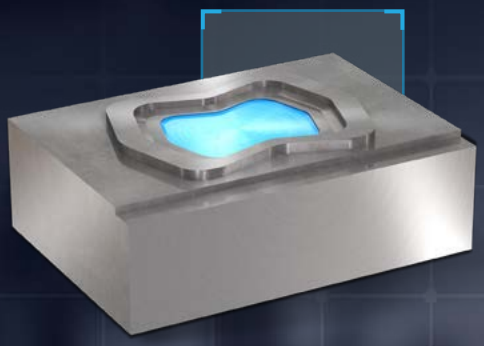


Designation	Dimensions							IC908
	DC	LU	LF	THSZMS	DCONMS	SIG	FHA	
MM SPD080-08-3T06	8.00	12.10	22.00	T06	10.00	142	15.0	●
MM SPD085-09-3T06	8.50	12.20	22.00	T06	10.00	142	15.0	●
MM SPD090-09-3T06	9.00	12.30	22.00	T06	10.00	142	15.0	●
MM SPD0925-10-3T06	9.25	13.80	22.00	T06	10.00	142	15.0	●
MM SPD095-10-3T06	9.50	13.90	22.00	T06	10.00	142	15.0	●
MM SPD100-10-3T08	10.00	15.00	27.00	T08	12.00	142	15.0	●
MM SPD105-11-3T08	10.50	15.00	27.00	T08	12.00	142	15.0	●
MM SPD1075-11-3T08	10.75	15.10	27.00	T08	12.00	142	15.0	●
MM SPD110-11-3T08	11.00	15.10	27.00	T08	12.00	142	15.0	●
MM SPD1125-12-3T08	11.25	16.20	27.00	T08	12.00	142	15.0	●
MM SPD115-12-3T08	11.50	16.20	27.00	T08	12.00	142	15.0	●
MM SPD120-12-3T08	12.00	16.60	27.00	T08	12.70	142	15.0	●
MM SPD125-13-3T08	12.50	16.60	27.00	T08	12.70	142	15.0	●
MM SPD1275-13-3T10	12.75	20.00	33.50	T10	16.00	142	15.0	●
MM SPD130-13-3T10	13.00	20.00	33.50	T10	16.00	142	15.0	●
MM SPD140-14-3T10	14.00	19.70	33.50	T10	16.00	142	15.0	●
MM SPD145-15-3T10	14.50	20.80	33.50	T10	16.00	142	15.0	●
MM SPD150-15-3T10	15.00	20.40	33.50	T10	16.00	142	15.0	●
MM SPD1525-16-3T10	15.25	20.50	33.50	T10	16.00	142	15.0	●
MM SPD155-16-3T10	15.50	20.50	33.50	T10	16.00	142	15.0	●
MM SPD160-16-3T12	16.00	25.10	41.00	T12	18.43	142	15.0	●

- Do not apply lubricant to the threaded connection.

MULTI-MASTER

Double-Sided Steel Shanks For Center Drilling and General Endmill Applications



Double-Sided Shank Dia.:
6mm-20mm

YOU Milling Intelligently?

Double Ended Shank Concept with a Variety of Diameters Assures Lower Production Costs, Reduced Stock. Two-In-One Conept for Center Drilling and Milling.

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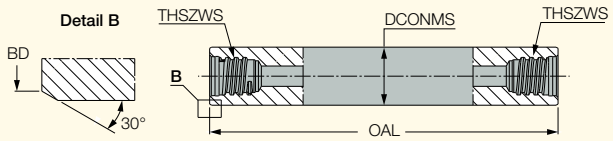
MULTI-MASTER

MM TS2-A
Double-Sided Cylindrical Shanks
for Interchangeable Heads

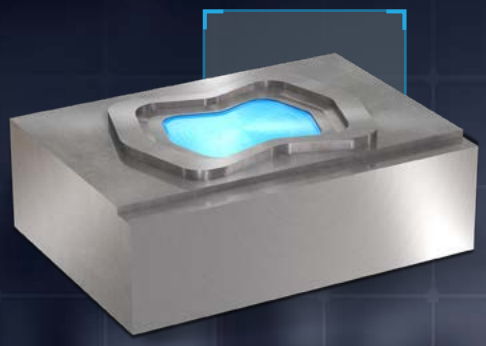


Designation	THSZWS	DCONMS	BD	OAL	Shank m.	kg
MM TS2-A-L050-C06-T04-CH	T04	6.00	5.80	50.00	S	0.02
MM TS2-A-L050-C08-T05-CH	T05	8.00	7.60	50.00	S	0.03
MM TS2-A-L060-C10-T06-CH	T06	10.00	9.60	60.00	S	0.04
MM TS2-A-L070-C12-T08-CH	T08	12.00	11.60	70.00	S	0.06
MM TS2-A-L080-C16-T10-CH	T10	16.00	15.30	80.00	S	0.10
MM TS2-A-L090-C20-T12-CH	T12	20.00	18.30	90.00	S	0.18

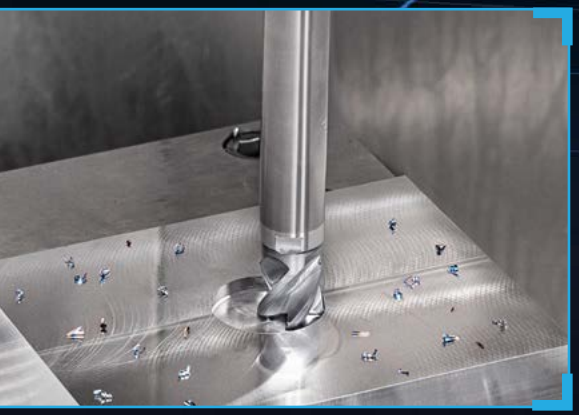
- Do not apply lubricant to the threaded connection

MULTI-MASTER

Anti-Vibration WHISPERLINE Features an Internal Shank Absorber



Tool Range Diameter:
20mm, 25mm



Ø20 Ø25

YOU Milling Intelligently?

Ultimate Solution for Machining Deep Cavities with High Overhangs. Damping Mechanism Suppresses the Vibrations and Ensures Quiet and Safe Machining.

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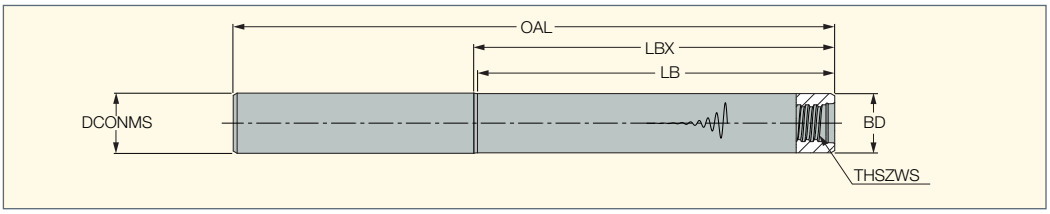
MACHINING INTELLIGENTLY

MULTI-MASTER

MM S-A-AV
Anti-Vibration Cylindrical Shanks mount Interchangeable Milling Heads

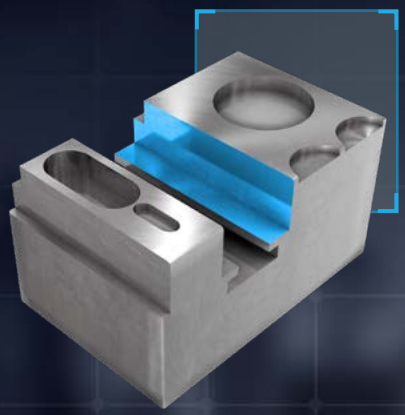


Designation	THSZWS	OAL	LBX	LB	DCONMS	BD
MM S-A-L175/120-C20-T12AV	T12	175.00	120.00	118.80	20.00	19.70
MM S-A-L200/145-C20-T12AV	T12	200.00	145.00	143.80	20.00	19.70
MM S-A-L210/150-C25-T15AV	T15	210.00	150.00	148.60	25.00	24.60
MM S-A-L250/190-C25-T15AV	T15	250.00	190.00	188.60	25.00	24.60

- Do not apply lubricant to the threaded connection

HELITANG

Milling Tools Carrying Small Tangentially Mounted Inserts with 4 Helical Cutting Edges for Effective Square-Sholder Milling



Endmill Dia.: 10mm - 25mm
SD Face Mill Dia.: 25mm - 50mm

YOU Milling Intelligently?

Insert with Positive Cutting Edges Ensures Soft, Easy Cut with Smooth Chip Flow. Unique Pocket Design, Prevents Insert Pull-out.

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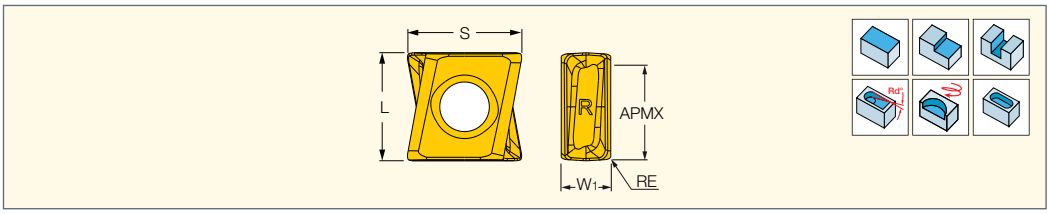
MACHINING INTELLIGENTLY

HELITANG T490 LINE

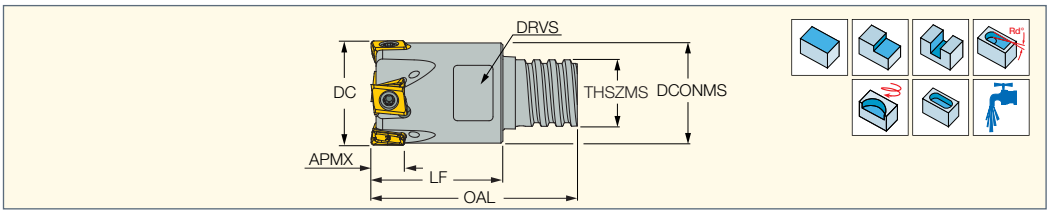
T490 LNMT 0502
Tangentially Clamped Inserts with 4 Helical Cutting Edges



Designation	Dimensions W1	L	APMX	RE	S	Tough ↔ Hard IC830	IC808	IC810	IC5600	Recommended Machining Data f_z (mm/t)
T490 LNMT 0502PNR-RD	2.30	5.00	4.60	0.40	5.30	•	•	•	•	0.08-0.12

HELITANG T490 LINE

T490 ELN-MM-05
90° Endmills with a MULTI-MASTER Threaded Adaptation Carrying Tangentially Clamped Inserts

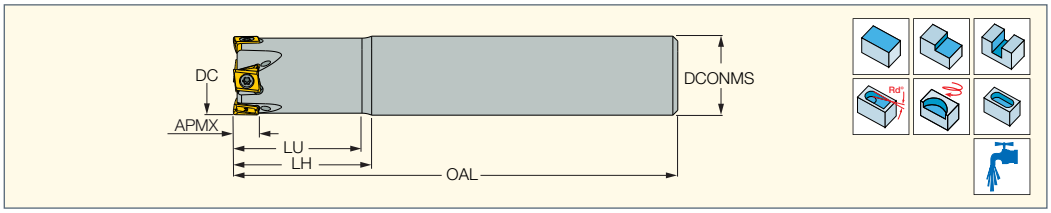


Designation	DC	CICT(1)	APMX	DCONMS	LF	OAL	THSZMS	DRVS(2)	RMPX°(3)	kg	MIID(4)		
T490 ELN D10-2-MMT06-05	10.00	2	4.60	9.20	13.00	19.30	T06	8.0	1.3	0.01	T490 LNMT 0502PNR-RD	SR M2X0.4-3.8 IP6	T-6IP/51
T490 ELN D12-3-MMT08-05	12.00	3	4.60	11.00	14.50	22.00	T08	10.0	0.9	0.01	T490 LNMT 0502PNR-RD	SR M2X0.4-4.8 IP6	T-6IP/51
T490 ELN D16-4-MMT10-05	16.00	4	4.60	15.20	20.00	31.30	T10	13.0	0.6	0.03	T490 LNMT 0502PNR-RD	SR M2X0.4-4.8 IP6	T-6IP/51
T490 ELN D20-5-MMT12-05	20.00	5	4.60	19.20	22.00	35.30	T12	16.0	0.5	0.05	T490 LNMT 0502PNR-RD	SR M2X0.4-4.8 IP6	T-6IP/51

• Do not apply lubricant to the MULTI-MASTER threaded connection
(1) Number of inserts (or edges for solid tool)
(2) Torque key size
(3) Maximum ramping angle
(4) Master insert identification

HELITANG T490 LINE

T490 ELN-05
90° Endmills Carrying Tangentially Clamped Inserts with 4 Helical, 4.6 mm Long Cutting Edges

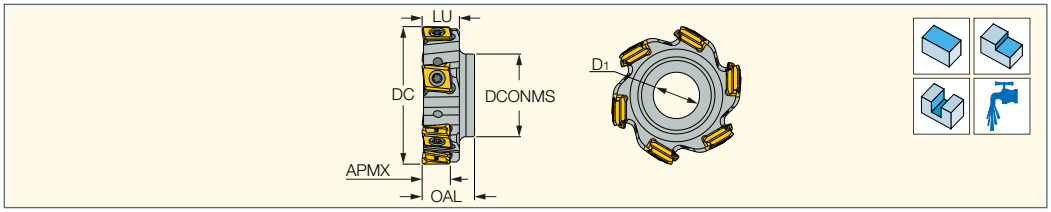


Designation	DC	CICT(1)	OAL	LH	LU	APMX	DCONMS	Shank	RMPX°(2)	MIID(3)		
T490 ELN D10-2-C10-05	10.00	2	80.00	21.0	20.1	4.60	10.00	C	1.3	T490 LNMT 0502PNR-RD	SR M2X0.4-3.8 IP6	T-6IP/51
T490 ELN D12-3-C12-05	12.00	3	80.00	25.5	23.3	4.60	12.00	C	0.9	T490 LNMT 0502PNR-RD	SR M2X0.4-4.8 IP6	T-6IP/51
T490 ELN D16-4-C16-05	16.00	4	90.00	28.0	26.0	4.60	16.00	C	0.6	T490 LNMT 0502PNR-RD	SR M2X0.4-4.8 IP6	T-6IP/51
T490 ELN D20-5-C20-05	20.00	5	110.00	27.0	25.5	4.60	20.00	C	0.5	T490 LNMT 0502PNR-RD	SR M2X0.4-4.8 IP6	T-6IP/51
T490 ELN D25-6-C25-05	25.00	6	120.00	30.0	28.5	4.60	25.00	C	0.4	T490 LNMT 0502PNR-RD	SR M2X0.4-4.8 IP6	T-6IP/51

(1) Number of inserts (or edges for solid tool)
(2) Maximum ramping angle
(3) Master insert identification

HELITANG T490 LINE

T490 FM-05
90° Face Mills with a SP Connection Carrying Tangentially Clamped Inserts with 4 Helical 4.6 mm Long Cutting Edges



Designation	DC	CICT(1)	APMX	OAL	LU	DCONMS	D1	MIID(2)
T490 FM D025-06-SP15-05	25.00	6	4.60	9.50	6.75	15.00	8.40	T490 LNMT 0502PNR-RD
T490 FM D032-08-SP17-05	32.00	8	4.60	10.50	6.75	17.00	9.80	T490 LNMT 0502PNR-RD
T490 FM D040-10-SP19-05	40.00	10	4.60	14.10	6.75	19.00	9.80	T490 LNMT 0502PNR-RD
T490 FM D050-12-SP19-05	50.00	12	4.60	14.10	6.75	19.00	9.80	T490 LNMT 0502PNR-RD

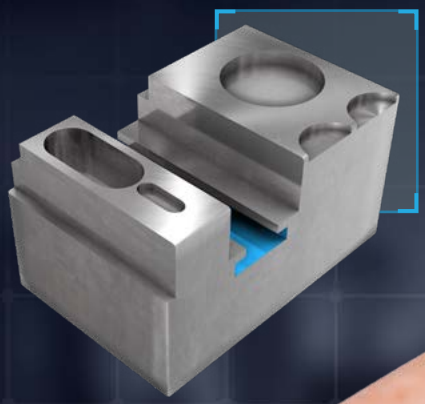
(1) Number of inserts (or edges for solid tool)
(2) Master insert identification

Spare Parts

Designation		
T490 FM-05	SR M2X0.4-4.8 IP6	T-6IP/51

TANGDISC

Small Diameter Slotting Cutters with Highly Effective Tangentially Mounted Inserts



Endmill Dia.: 16mm-32mm.
SD Dia.: 25mm-50mm.

YOU Milling Intelligently?

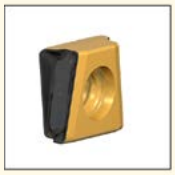
Precise Slotting with Powerful Clamping Geometry, Simplifies Head Change and Minimizes Setup Time.

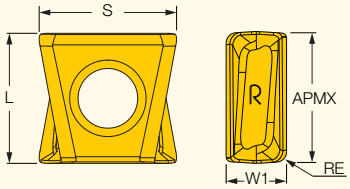
SCAN ME

LOGIQUICK
MACHINING INTELLIGENTLY

TANGDISC

T490 LNHT 05-PNTN
HELITANG - Tangentially Clamped Inserts for Slotting and Precision Grooving

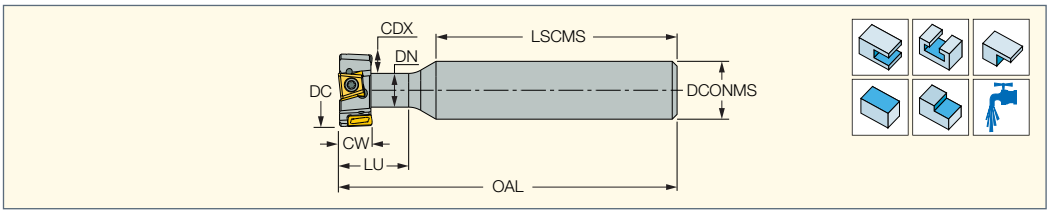




Designation	Dimensions					Tough ↔ Hard		
	W1	L	APMX	RE	S	IC830	IC808	IC810
T490 LNHT 0502-PNTN	2.30	5.00	4.60	0.40	5.30	●	●	●

TANGDISC

ETS-T490
T-SLOT Endmills Sloting Cutters Carrying T490 0502 PNTN Inserts with 2 Right- and 2 Left-Hand Cutting Edges



Designation	DC	NOF(1)	ZEFP	DN	LSCMS	CW	CDX	LU	OAL	DCONMS	Shank	MIID(2)
ETS D016-07-C12-T490-05	15.70	4	2	8.00	50.00	7.00	3.50	11.5	65.00	12.00	C	T490 LNHT 0502-PNTN
ETS D020-07-C12-T490-05	19.70	4	2	10.00	50.00	7.00	4.50	12.8	65.00	12.00	C	T490 LNHT 0502-PNTN
ETS D025-07-C16-T490-05	24.70	6	3	14.00	60.00	7.00	5.20	13.2	75.00	16.00	C	T490 LNHT 0502-PNTN
ETS D032-07-C16-T490-05	31.70	8	4	15.70	60.00	7.00	7.80	19.0	80.00	16.00	C	T490 LNHT 0502-PNTN

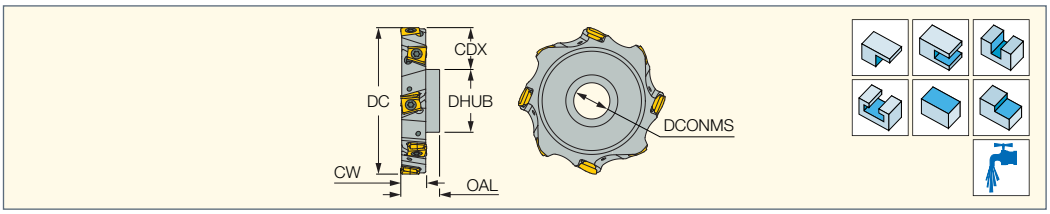
(1) Number of flutes
(2) Master insert identification

Spare Parts

Designation		
ETS-T490	SR M2X0.4-4.8 IP6	T-6IP/51

TANGDISC

SD-T490
Interchangeable T-SLOT with SP Connection Carrying T490 0502 PNTN Inserts with 2 Right- and 2 Left-Hand Cutting Edges



Designation	DC	DHUB	CW	NOF(1)	ZEFP	CDX(2)	DCONMS	OAL	MIID(3)
SD D025-07-SP13-T490-05	24.70	13.00	7.00	6	3	5.75	7.50	8.25	T490 LNHT 0502-PNTN
SD D032-07-SP15-T490-05	31.70	15.00	7.00	8	4	8.25	8.40	9.50	T490 LNHT 0502-PNTN
SD D040-07-SP17-T490-05	39.70	17.00	7.00	10	5	11.25	9.80	10.50	T490 LNHT 0502-PNTN
SD D050-07-SP19-T490-05	49.70	19.00	7.00	12	6	15.25	9.80	14.10	T490 LNHT 0502-PNTN

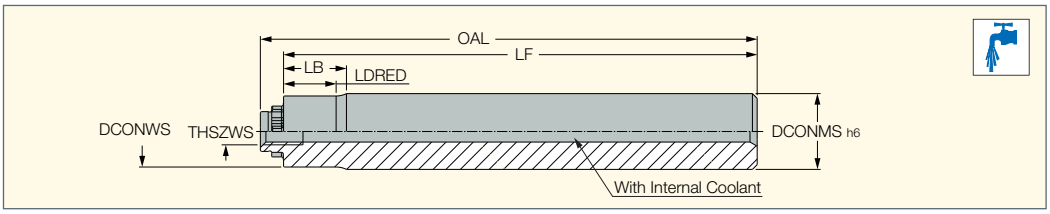
(1) Number of flutes
(2) Cutting depth maximum
(3) Master insert identification

Spare Parts

Designation		
SD-T490	SR M2X0.4-4.8 IP6	T-6IP/51

TANGDISC

SD S-A-C-SP
Stepped Cylindrical Shanks for Interchangeable Milling Cutter Heads.

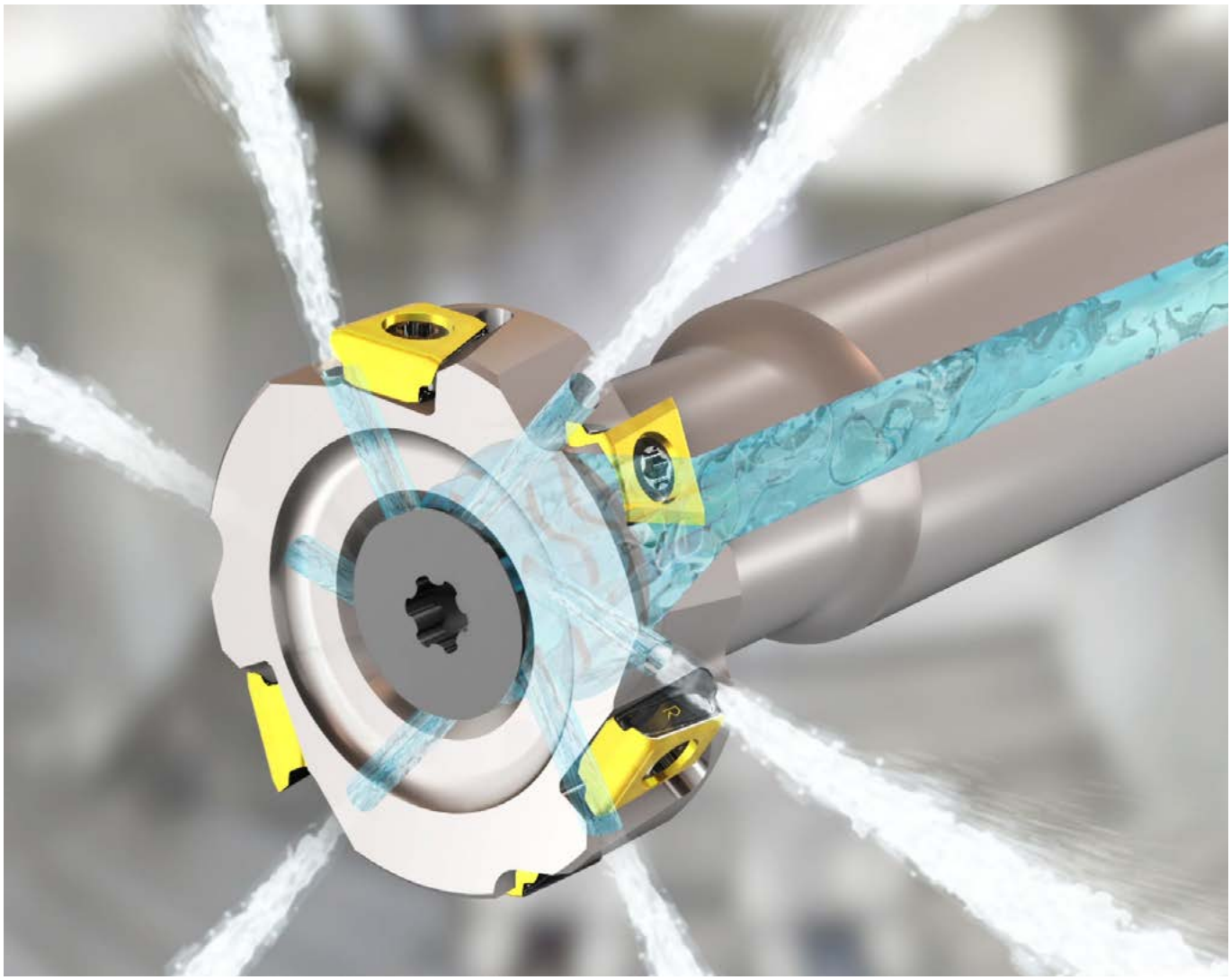


Designation	DCONMS	DCONWS	THSZWS	LDRED	LB	LF	OAL	Shank m.
SD S-A-L090-C16-CH-SP13	16.00	13.00	M4x0.5	13.00	16.6	90.00	94.00	S
SD S-A-L090-C16-CH-SP15	16.00	15.00	M5x0.5	16.00	18.2	90.00	94.00	S
SD S-A-L130-C20-CH-SP17	20.00	17.00	M6x0.5	20.20	23.8	13.00	13.00	S
SD S-A-L150-C25-CH-SP19	25.00	19.00	M6x0.5	20.00	27.9	15.00	15.00	S

- Apply lubricant to the clamping screw

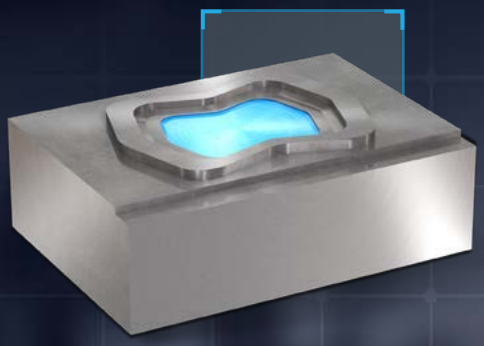
Spare Parts

Designation			
SD S-A-L090-C16-CH-SP13	SR M4X0.5-SP13-IP15-HG	BLD IP15/S7	SW6-T-SH
SD S-A-L090-C16-CH-SP15	SR M5X0.5-SP15-IP20-HG	BLD IP20/S7	SW6-T-SH
SD S-A-L130-C20-CH-SP17	SR M6X0.5-SP1719-IP25-HG	BLD IP25/S7	SW6-T
SD S-A-L150-C25-CH-SP19	SR M6X0.5-SP1719-IP25-HG	BLD IP25/S7	SW6-T



CERMILL

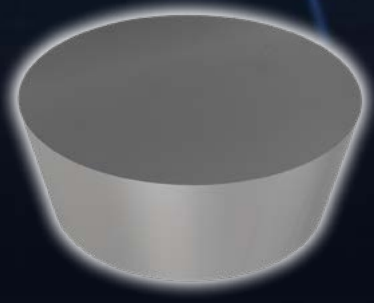
Innovative Endmill Cutters with a Smart Locking Mechanism for Round Ceramic Inserts



Diameter Range:
16mm, 20mm, 25mm

YOU Milling Intelligently?

Side Locking Mechanism for Maximum Tightening and High Machining Stability Intended for High Temperature Alloys.



SCAN ME

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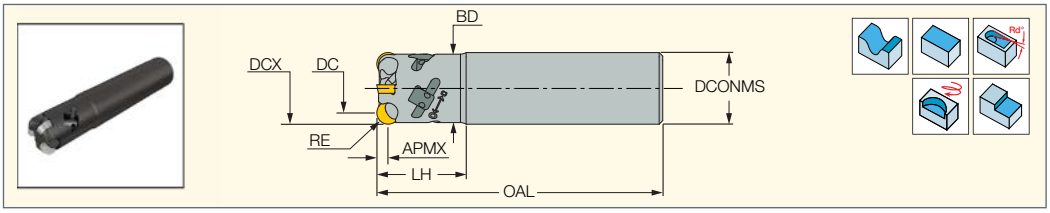
MACHINING INTELLIGENTLY

CERMILL

ERP
Endmills Carrying Single-Sided Ceramic Round Inserts



Designation	DCX[1]	DC	RE	APMX	CICT[2]	LH	OAL	BD	DCONMS	RMPX°[3]	Shank[4]	MIID[5]
ERP D010A016-03-C16-06	16.00	9.65	3.18	3.17	3	25.0	80.00	15.00	16.00	2.5	C	RPGN 06
ERP D014A020-04-C20-06	20.00	13.65	3.18	3.17	4	30.0	80.00	19.00	20.00	4.0	C	RPGN 06
ERP D019A025-05-C25-06	25.00	18.65	3.18	3.17	5	40.0	100.00	24.00	25.00	3.5	C	RPGN 06

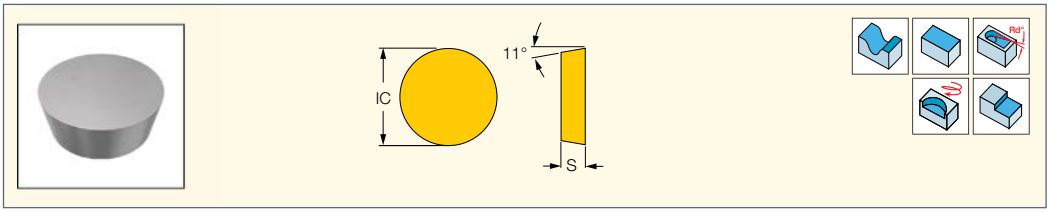
(1) Cutting diameter maximum
(2) Number of inserts (or edges for solid tool)
(3) Maximum ramping angle
(4) C-Cylindrical
(5) Master insert identification

Spare Parts

Designation			
ERP	CL-D4-L9-M3X0.5	NUT-D4.5-L6-M3X0.5	CW 1.7-L20

ISCAR CER LINE

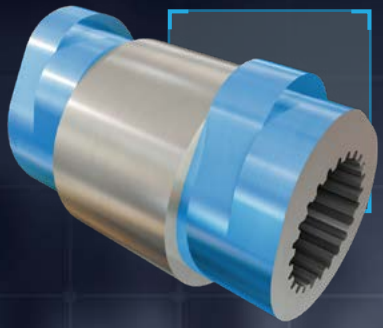
RPGN (CER)
Positive Round Ceramic Inserts for Machining Cast Iron and Heat-Resistant Alloys



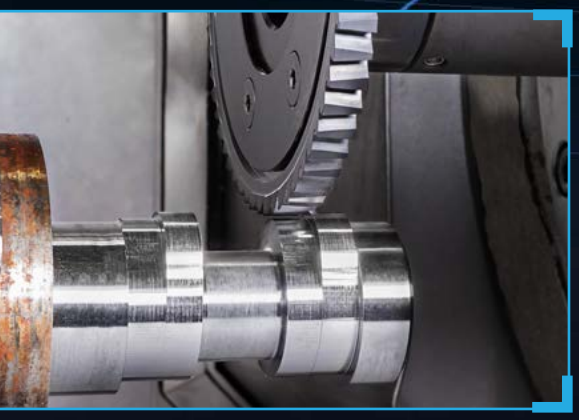
Designation	Dimensions		Tough ↔ Hard			Recommended Machining Data	
	IC	S	IS45	IS15	IS14	a_p (mm)	f_z (mm/tooth)
RPGN 060200 E004	6.35	2.38	●	●	●	1.00-1.50	0.08-0.15
RPGN 060200 T00520	6.35	2.38	●			1.00-1.50	0.08-0.15
RPGN 060200 T01020	6.35	2.38	●	●	●	1.00-1.50	0.08-0.15

DISCMILL

High-Precision Carbide Ring for Machining Mass Production Automotive Parts



Diameter Range: 125mm
Width of Cut: 8.85mm



YOU Milling Intelligently?

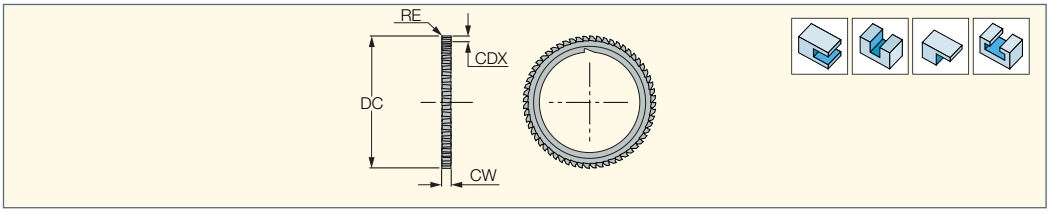
A Carbide Ring with a High Number of Teeth for Increased Productivity & Stability. High Clamping Rigidity Guarantees Stable Mechining. The Same Ring Can Be Clamped on the Same Tool Body for Right or Left Hand Machining.

SCAN ME

LOGIQUICK
MACHINING INTELLIGENTLY

DISCMILL

SD-P
Interchangeable Solid Carbide
T-Slot Milling Rings

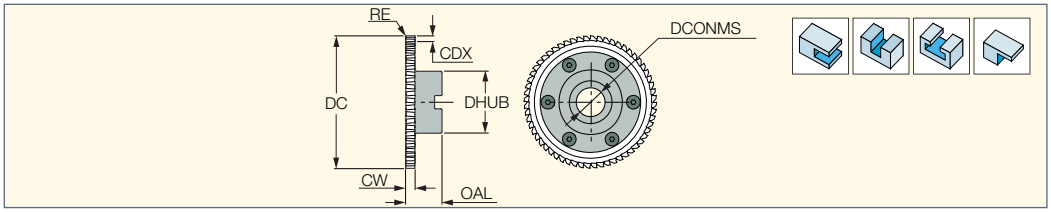


Designation	DC	CDX	CW	RE	CICT(1)	ZEFP
SD D125-8.85-R0.3-C100-P	125.00	5.50	8.85	0.30	60	60

(1) Number of inserts (or edges for solid tool)

DISCMILL

MP F
Driver Holder for T-Slot Ring



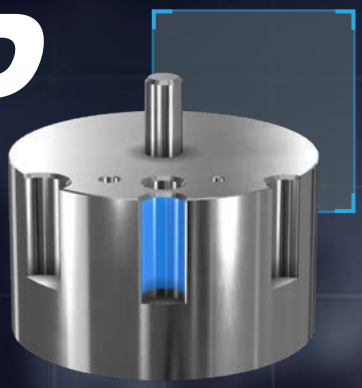
Designation	DC	CW	CDX	OAL	DHUB	DCONMS	Arbor	kg
MP F-D125-27-C100	125.00	8.85	5.50	33.85	58.00	27.00	B	0.87

Spare Parts

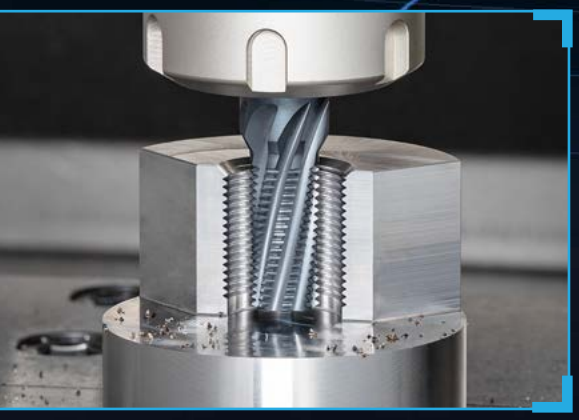
Designation			
MP F	CAP D125-C100	SR M3X5.5	HW 4.0

SOLID M THREAD

High Performance Solid Carbide Thread-Mills The New Alternative to Tapping Tools



Dia. Range: 4.8mm-16.0mm



YOU Milling Intelligently?

Threading Large Diameters, Short Chips for Easy Machining of Thin Walls. Coolant-Through the Tool, Ideal for Blind-Hole Applications and Improved Chip Evacuation.

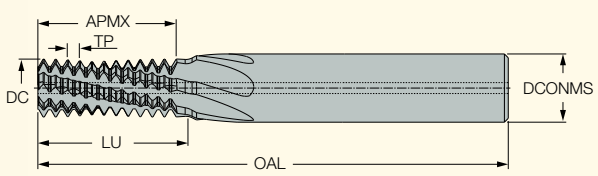
SCAN ME

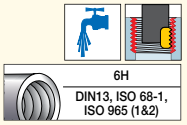
LOGIQUICK
MACHINING INTELLIGENTLY

SOLIDMTHREAD

MTECBF-ISO

Solid Carbide Internal Threading Endmills with a Coolant Hole. Intended for ISO Thread Profiles.





Designation	Dimensions									IC908
	TP[1]	M Coarse	M Fine	DCONMS	DC	NOF[2]	APMX	OAL	Shank	
MTECBF06048F10 1.0ISO	1.000	M6	=>7	6.00	4.80	6	10.20	58.00	C	●
MTECBF08064G14 1.25ISO	1.250	M8	=>10	8.00	6.40	7	14.00	64.00	C	●
MTECBF 1008G16 1.5ISO	1.500	M10	=>12	10.00	8.00	7	16.70	73.00	C	●
MTECBF12095G20 1.75ISO	1.750	M12	=>12	12.00	9.50	7	20.00	84.00	C	●

- Internal & External tolerance: ISO 228-1 - Medium class

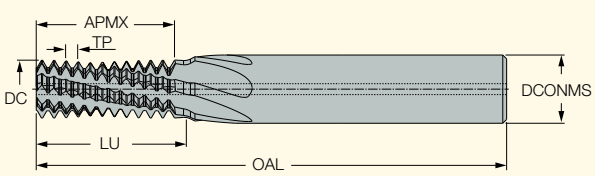
(1) Thread pitch

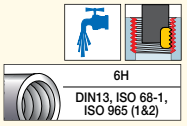
(2) Number of flutes

SOLIDMTHREAD

MTECBF-UN

Solid Carbide Internal Threading Endmills with a Coolant Hole. Intended for UN Thread Profile.





Designation	Dimensions										IC908
	TPI[1]	UNC	UNF	UNEF	DCONMS	DC	NOF[2]	APMX	OAL	Shank	
MTECBF 16116F26 12UN	12.0	5/8	1/1-1/2	-	16.00	11.60	6	26.40	105.00	C	●
MTECBF 12098F24 13UN	13.0	1/2	-	-	12.00	9.80	6	24.30	84.00	C	●
MTECBF 10085F20 14UN	14.0	7/16	-	-	10.00	8.50	6	20.80	73.00	C	●
MTECBF 10074F16 16UN	16.0	3/8	-	-	10.00	7.40	6	16.60	73.00	C	●
MTECBF 16125H26 18UN	18.0	-	9/16, 5/8	11/16	16.00	12.50	8	26.00	105.00	C	●
MTECBF 0806F14 18UN	18.0	5/16	-	-	8.00	6.00	6	14.70	64.00	C	●
MTECBF 10092H21 20UN	20.0	-	7/16	-	10.00	9.20	8	20.90	73.00	C	●
MTECBF 12092H21 20UN	20.0	-	7/16	-	12.00	9.20	8	20.90	84.00	C	●
MTECBF 06048E12 20UN	20.0	1/4	-	-	6.00	4.80	5	12.00	58.00	C	●
MTECBF 08066G14 24UN	24.0	-	5/16	-	8.00	6.60	7	14.20	64.00	C	●
MTECBF 10066G14 24UN	24.0	-	5/16	-	10.00	6.60	7	14.20	73.00	C	●

- Internal & External tolerance: ISO 228-1 - Medium class

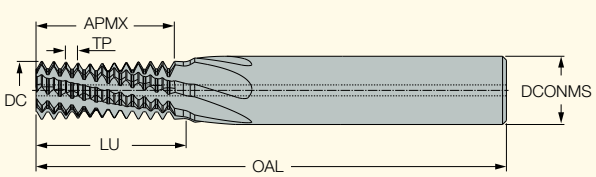
(1) Threads per inch

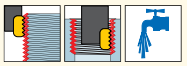
(2) Number of flutes

SOLIDMTHREAD

MTECBF-W

Solid Carbide Internal or External Threading Endmills with a Coolant Hole. Intended for BSF/BSP Thread Profiles.





Designation	Dimensions									IC908
	TPI[1]	TDZ	DCONMS	DC	NOF[2]	APMX	LU	OAL	Shank	
MTECBF 1616H38 11W	11.0	7/18	16.00	16.00	8	37.90	36.90	105.00	C	●
MTECBF 1614H26 14W	14.0	1/2-7/8	16.00	14.00	8	26.20	25.40	105.00	C	●
MTECBF 1010G16 19W	19.0	1/4-3/8	10.00	10.00	7	16.00	16.00	73.00	C	●
MTECBF 08078H14 28W	28.0	1/8	8.00	7.80	8	14.00	13.60	64.00	C	●

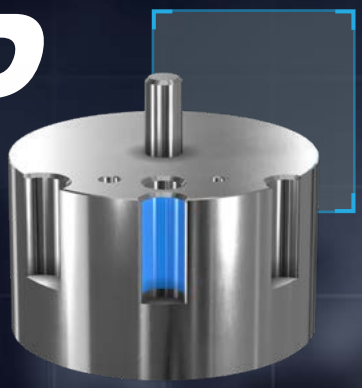
- Internal & External tolerance: B.S.84 - Medium class

(1) Threads per inch

(2) Number of flutes

SOLID M THREAD

High Performance Solid Carbide Thread-Mills



Dia. Range: 3.1mm- 13.1mm

YOU Milling Intelligently?

Threading Large, Short Chips for Easy Machining Thin Walls. Coolant-Through the Tool Ideal for Blind-Hole Applications and Improved Chip Evacuation.

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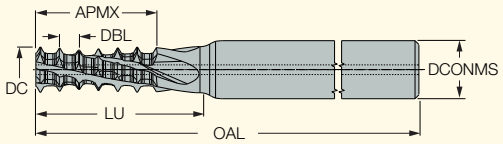
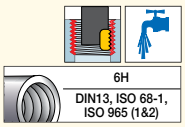
LOGIQUICK
MACHINING INTELLIGENTLY

SOLIDMTHREAD

MTECK-ISO

Solid Carbide Internal Threading Endmill Step Release, Lead x2 With Coolant Hole, Used for ISO Thread Profile.





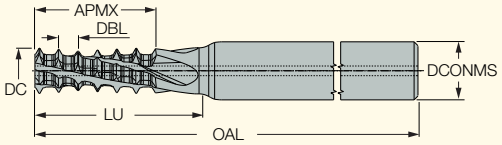
Designation	Dimensions											IC908
	Pitch	M Coarse	M Fine	DBL	APMX	LU	OAL	NOF(1)	DCONMS	DC	Shank	
MTECK 06032D8 0.5ISO	0.500	-	M4	1.00	8.20	16.60	58.00	4	6.00	3.20	C	●
MTECK 06031C9 0.7ISO	0.700	M4	-	1.40	8.70	14.00	58.00	3	6.00	3.10	C	●
MTECK 06039C10 0.8ISO	0.800	M5	-	1.60	10.80	16.00	58.00	3	6.00	3.90	C	●
MTECK 06047D12 1.0ISO	1.000	M6	-	2.00	12.50	17.50	58.00	4	6.00	4.70	C	●
MTECK 08063D16 1.25ISO	1.250	M8	-	2.50	16.90	22.50	64.00	4	8.00	6.30	C	●
MTECK 08079D21 1.5ISO	1.500	M11	-	3.00	21.70	-	64.00	4	8.00	7.90	C	●
MTECK 120117E28 1.5ISO	1.500	-	M16	3.00	29.30	-	94.00	5	12.00	11.70	C	●
MTECK 160125F33 1.5ISO	1.500	-	M16	3.00	33.70	40.00	93.00	6	16.00	12.50	C	●
MTECK10098E24 1.5ISO	1.500	-	M13	3.00	24.80	24.10	73.00	5	10.00	9.80	C	●
MTECK 10096D24 1.75ISO	1.750	M12	-	3.50	25.30	30.50	73.00	4	10.00	9.60	C	●
MTECK 12112D28 2.0ISO	2.000	M16	-	4.00	28.90	36.50	84.00	4	12.00	11.20	C	●

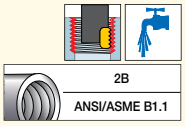
(1) Number of flutes

SOLIDMTHREAD

MTECK-UN

Solid Carbide Internal Threading Endmill Step Release, Lead x2 With Coolant Hole, Used for UN Thread Profiles.





Designation	Dimensions											IC908
	TPI(1)	UNC	UNF	DBL	APMX	LU	OAL	DCONMS	DC	Shank	NOF(2)	
MTECK 1298D25 13UN	13.0	1/2		3.91	26.30	34.50	84.00	12.00	9.80	C	4	●
MTECK 08074D19 16UN	16.0	3/8		3.17	19.80	24.50	64.00	8.00	7.40	C	4	●
MTECK 12011E29 18UN	18.0		9/16	2.82	30.40	34.90	84.00	12.00	11.00	C	5	●
MTECK 0250D67 18UN	18.0	5/16		2.82	17.60	17.60	63.50	6.35	6.10	C	4	●
MTECK 08061D17 18UN	18.0	5/16		2.82	17.60	23.50	64.00	8.00	6.10	C	4	●
MTECK 08061D22 18UN	18.0	5/16		2.82	23.20	30.90	76.00	8.00	6.10	C	4	●
MTECK 0250C50 20UN	20.0	1/4		2.54	13.30	19.50	63.50	6.35	4.70	C	3	●
MTECK 06035C10 24UN	24.0	#10		2.12	11.00	15.50	58.00	6.00	3.50	C	3	●
MTECK 0250D50 28UN	28.0		1/4	1.81	13.10	18.80	63.50	6.35	5.00	C	4	●
MTECK 0250C34 32UN	32.0	#8		1.59	9.10	15.00	63.50	6.35	3.10	C	3	●

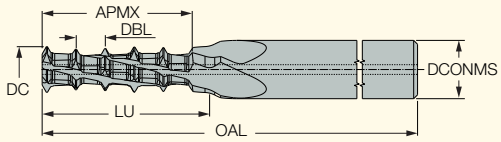
(1) Threads per inch

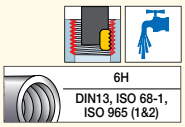
(2) Number of flutes

SOLIDMTHREAD

MTECM-ISO

Solid Carbide Internal Threading Endmill Step Release, Lead x3 With Coolant Holes, Used for ISO Thread Profile.





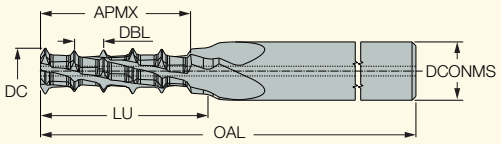
Designation	Dimensions											IC908
	Pitch	M Coarse	M Fine	DBL	APMX	LU	OAL	NOF(1)	DCONMS	DC	Shank	
MTECM 06031C11 0.7ISO	0.700	M4	-	2.10	10.80	16.00	58.00	3	6.00	3.10	C	●
MTECM 06039C12 0.8ISO	0.800	M5	-	2.40	13.20	19.00	58.00	3	6.00	3.90	C	●
MTECM 06047D14 1.0ISO	1.000	M6	-	3.00	15.40	17.20	58.00	4	6.00	4.70	C	●
MTECM 08079E21 1.0ISO	1.000	-	M10	3.00	21.40	-	64.00	5	8.00	7.90	C	●
MTECM 10096D32 1.75ISO	1.750	M12	-	5.25	32.30	39.20	81.00	4	10.00	9.60	C	●
MTECM 16131E32 2.0ISO	2.000	M16	-	6.00	32.90	41.50	93.00	5	16.00	13.10	C	●
MTECM 16131E42 2.0ISO	2.000	M16	-	6.00	42.90	53.00	105.00	5	16.00	13.10	C	●

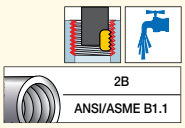
(1) Number of flutes

SOLIDMTHREAD

MTECM-UN

Solid Carbide Internal Threading Endmill Step Release, Lead x3 With Coolant Hole, Used for UN Thread Profiles.

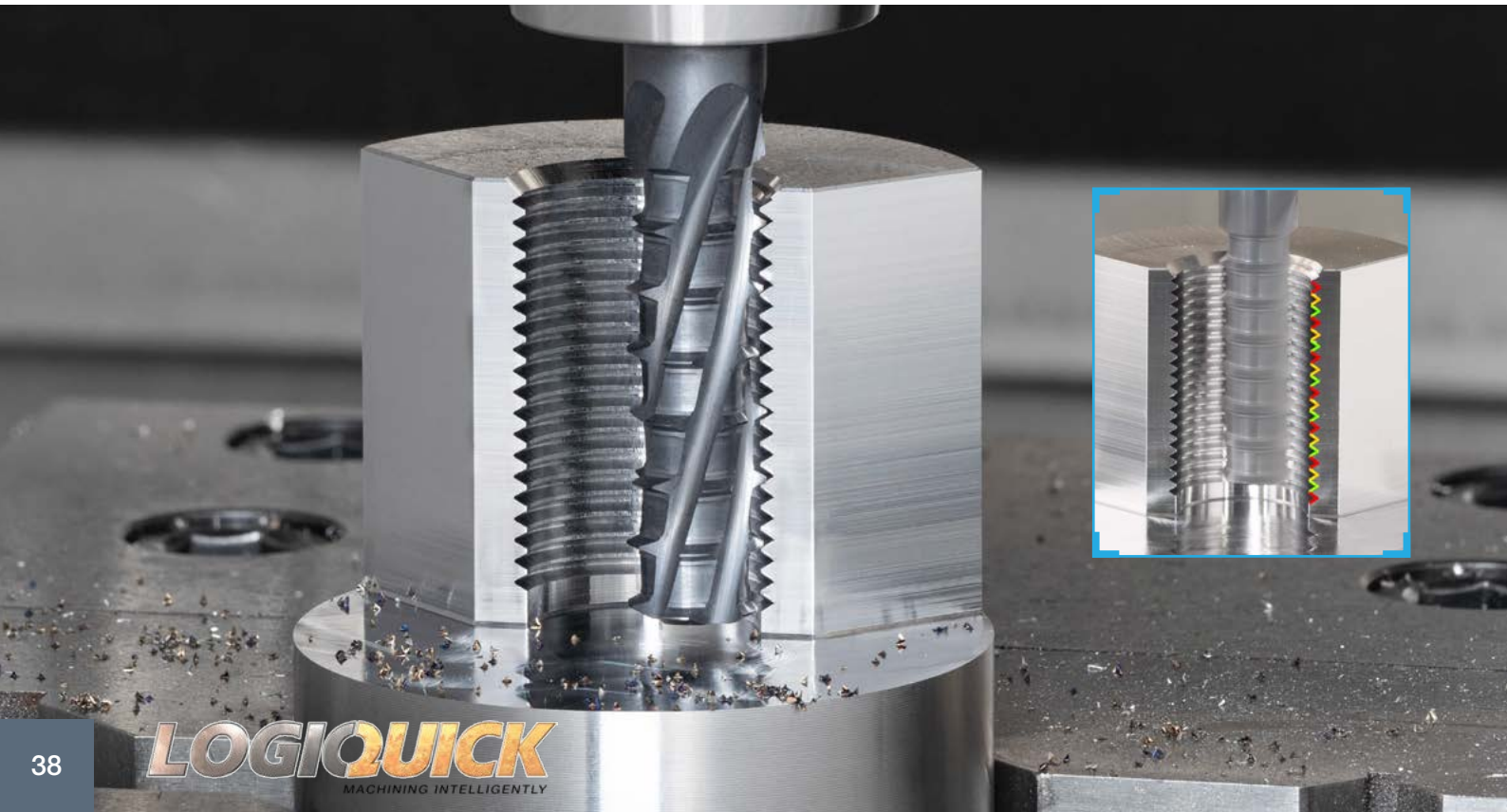




Designation	Dimensions												IC908
	TPI(1)	UNC	UNF	UNEF	DBL	APMX	LU	OAL	DCONMS	DC	Shank	NOF(2)	
MTECM 0312D09 16UN	16.0	3/8	-	-	4.76	24.50	25.50	63.50	7.94	7.40	C	4	●
MTECM 0250C65 20UN	20.0	1/4	-	-	3.81	17.10	25.90	63.50	6.35	4.70	C	3	●
MTECM 06047C16 20UN	20.0	1/4	-	-	3.81	17.10	25.90	58.00	6.00	4.70	C	3	●
MTECM 0250C50 24UN	24.0	#10	-	-	3.17	13.20	17.00	63.50	6.35	3.50	C	3	●
MTECM 0250C28 32UN	32.0	#8	-	-	2.38	7.50	13.40	63.50	6.35	3.10	C	3	●

(1) Threads per inch

(2) Number of flutes



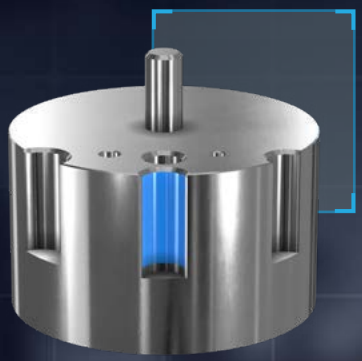
Cutting Conditions

Recommended initial cutting conditions are shown in the tables below.
Use the **ISCAR** MillThread Advisor, for correct process and cutting condition re-considerations (https://www.iscar.com/mts/).
See machining data for solid carbide threading endmills with small diameters and short solid carbide thread mills.

ISO	Material		Condition	Tensile Strength [N/mm²]	Hardness HB	Material Group No.	Cutting Speed [m/min]	Feed [mm/tooth] for Diameter [mm]												
								Ø1.5	Ø2	Ø3	Ø4	Ø5	Ø6	Ø7	Ø8	Ø9	Ø10	Ø12	Ø14	Ø15
P	non-alloy steel and cast steel, free cutting steel	<0.25% C	annealed	420	125	1	70-120	0.05	0.05	0.07	0.09	0.11	0.13	0.14	0.15	0.16	0.16	0.17	0.18	0.18
		≥0.25% C	annealed	650	190	2	65-115	0.05	0.05	0.07	0.09	0.11	0.13	0.14	0.15	0.16	0.16	0.17	0.18	0.18
		<0.55% C	quenched and tempered	850	250	3	60-110	0.05	0.05	0.07	0.09	0.11	0.13	0.14	0.15	0.16	0.16	0.17	0.18	0.18
		≥0.55% C	annealed	750	220	4	70-90	0.04	0.05	0.06	0.08	0.09	0.1	0.12	0.13	0.14	0.14	0.16	0.17	0.18
			quenched and tempered	1000	300	5	60-85	0.04	0.05	0.06	0.08	0.09	0.1	0.12	0.13	0.14	0.14	0.16	0.17	0.18
	low alloy and cast steel (less than 5% of alloying elements)		annealed	600	200	6	60-80	0.04	0.04	0.05	0.05	0.06	0.07	0.07	0.08	0.09	0.1	0.12	0.13	0.14
			quenched and tempered	930	275	7	60-75	0.04	0.04	0.05	0.05	0.06	0.07	0.07	0.08	0.09	0.1	0.12	0.13	0.14
				1000	300	8	55-75	0.04	0.04	0.05	0.05	0.06	0.07	0.07	0.08	0.09	0.1	0.12	0.13	0.14
				1200	350	9	55-70	0.04	0.04	0.05	0.05	0.06	0.07	0.07	0.08	0.09	0.1	0.12	0.13	0.14
	high alloyed steel, cast steel and tool steel		annealed	680	200	10	50-65	0.04	0.04	0.05	0.05	0.06	0.07	0.07	0.08	0.09	0.1	0.12	0.13	0.14
			quenched and tempered	1100	325	11	50-63	0.04	0.04	0.05	0.05	0.06	0.07	0.07	0.08	0.09	0.1	0.12	0.13	0.14
	stainless steel and cast steel		ferritic / martensitic	680	200	12	50-60	0.04	0.04	0.05	0.05	0.06	0.07	0.07	0.08	0.09	0.1	0.12	0.13	0.14
			martensitic	820	240	13	50-70	0.04	0.04	0.05	0.05	0.06	0.07	0.07	0.08	0.09	0.1	0.12	0.13	0.14
M	stainless steel and cast steel		austenitic, duplex	600	180	14	60-90	0.03	0.03	0.04	0.05	0.06	0.06	0.07	0.08	0.09	0.1	0.11	0.12	0.13
K	gray cast iron (GG)		ferritic / pearlitic		180	15	60-80	0.05	0.05	0.07	0.09	0.11	0.13	0.14	0.15	0.16	0.16	0.17	0.18	0.18
			pearlitic / martensitic		260	16	60-75	0.05	0.05	0.07	0.09	0.11	0.13	0.14	0.15	0.16	0.16	0.17	0.18	0.18
	nodular cast iron (GGG)		ferritic		160	17	50-70	0.05	0.05	0.07	0.09	0.11	0.13	0.14	0.15	0.16	0.16	0.17	0.18	0.18
			pearlitic		250	18	40-65	0.05	0.05	0.07	0.09	0.11	0.13	0.14	0.15	0.16	0.16	0.17	0.18	0.18
	malleable cast iron		ferritic		130	19	50-70	0.05	0.05	0.07	0.09	0.11	0.13	0.14	0.15	0.16	0.16	0.17	0.18	0.18
			pearlitic		230	20	40-65	0.05	0.05	0.07	0.09	0.11	0.13	0.14	0.15	0.16	0.16	0.17	0.18	0.18
N	aluminum-wrought alloys		not hardenable		60	21	120-150	0.05	0.05	0.07	0.09	0.11	0.13	0.14	0.15	0.16	0.16	0.17	0.18	0.18
			hardenable		100	22	110-130	0.05	0.05	0.07	0.09	0.11	0.13	0.14	0.15	0.16	0.16	0.17	0.18	0.18
	aluminum-cast alloys	≤12% Si	not hardenable		75	23	120-150	0.05	0.05	0.07	0.09	0.11	0.13	0.14	0.15	0.16	0.16	0.17	0.18	0.18
			hardenable		90	24	120-160	0.05	0.05	0.07	0.09	0.11	0.13	0.14	0.15	0.16	0.16	0.17	0.18	0.18
		>12% Si	high temperature		130	25	80-110	0.05	0.05	0.07	0.09	0.11	0.13	0.14	0.15	0.16	0.16	0.17	0.18	0.18
	copper alloys	>1% Pb	free cutting		110	26	85-120	0.05	0.05	0.07	0.09	0.11	0.13	0.14	0.15	0.16	0.16	0.17	0.18	0.18
			brass		90	27	85-120	0.05	0.05	0.07	0.09	0.11	0.13	0.14	0.15	0.16	0.16	0.17	0.18	0.18
			electrolytic copper		100	28	70-100	0.05	0.05	0.07	0.09	0.11	0.13	0.14	0.15	0.16	0.16	0.17	0.18	0.18
	non metallic		duroplastics, fiber plastics		70 Shore D	29	120-200	0.1	0.11	0.12	0.14	0.16	0.18	0.19	0.19	0.19	0.19	0.19	0.2	0.2
			hard rubber		55 Shore D	30	120-200	0.1	0.11	0.12	0.14	0.16	0.18	0.19	0.19	0.19	0.19	0.19	0.2	0.2
S	high temperature alloys	Fe based	annealed		200	31	40-60	0.03	0.03	0.04	0.04	0.05	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.08
			hardened		280	32	30-50	0.03	0.03	0.04	0.04	0.05	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.08
		Ni or Co based	annealed		250	33	25-40	0.03	0.03	0.04	0.04	0.05	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.08
			hardened		350	34	20-35	0.03	0.03	0.04	0.04	0.05	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.08
			cast		320	35	20-40	0.03	0.03	0.04	0.04	0.05	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.08
	titanium alloys		pure	400	190	36	30-45	0.03	0.03	0.04	0.04	0.05	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.08
			alpha+beta alloys, hardened	1050	310	37	30-40	0.03	0.03	0.04	0.04	0.05	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.08

QUICK M THREAD

Endmill Thread-Milling Cutters with Indexable Inserts for High Productivity



Cutter Range:
20mm, 25mm, 30mm, 36mm, 42mm.

YOU Milling Intelligently?

Inserts with 3 Cutting Edges for Various Profiles and Pitches. Pocket Design with Robust Clamping Area. Thread Pitch Range from 2 to 6mm. Each QUICK-M-THREAD Pocket with Pin-Pointed Coolant Outlet.

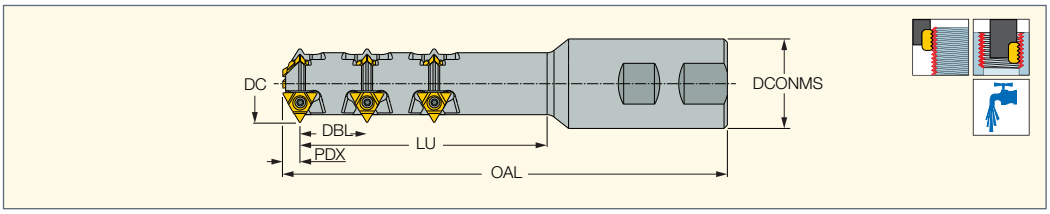
SCAN ME

LOGIQUICK
MACHINING INTELLIGENTLY

QUICKMTHREAD

MTET Step Release

Indexable Threading Endmills
with Cylindrical Shanks
for Single Point Inserts



Designation	DC	PDX	NOF(1)	CICT(2)	DBL	DCONMS	OAL	LU	Shank(3)	MIID(4)
MTET D20-1-12-5-W25-11U	20.00	5.20	1	5	12.00	25.00	115.10	60.00	W	MT TNCT 11U
MTET D25-3-21-3-W25-11U	25.00	5.20	3	9	21.00	25.00	144.60	79.50	W	MT TNCT 11U
MTET D30-3-36-3-W32-11U	30.00	5.20	3	9	36.00	32.00	179.70	110.00	W	MT TNCT 11U
MTET D36-3-30-3-W40-16U	36.00	7.90	3	9	30.00	40.00	192.90	110.50	W	MT TNCT 16U
MTET D42-3-60-2-W40-16U	42.00	7.90	3	6	60.00	40.00	212.20	127.00	W	MT TNCT 16U

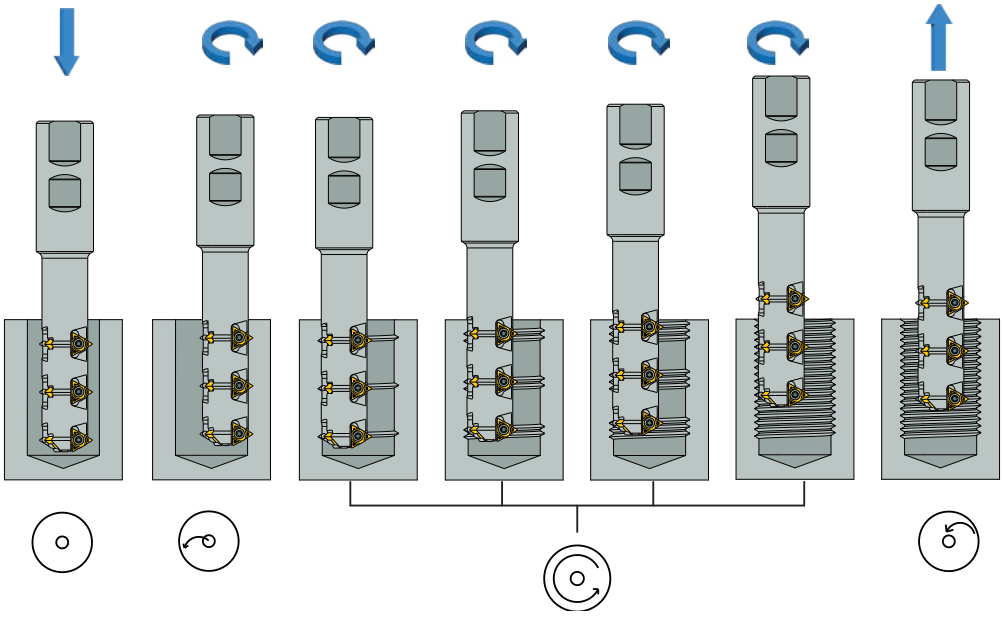
- Tool cutting diameter should not exceed 2/3 of thread bore diameter

(1) Number of flutes
(2) Number of inserts (or edges for solid tool)
(3) W-Weldon
(4) Master insert identification

Spare Parts

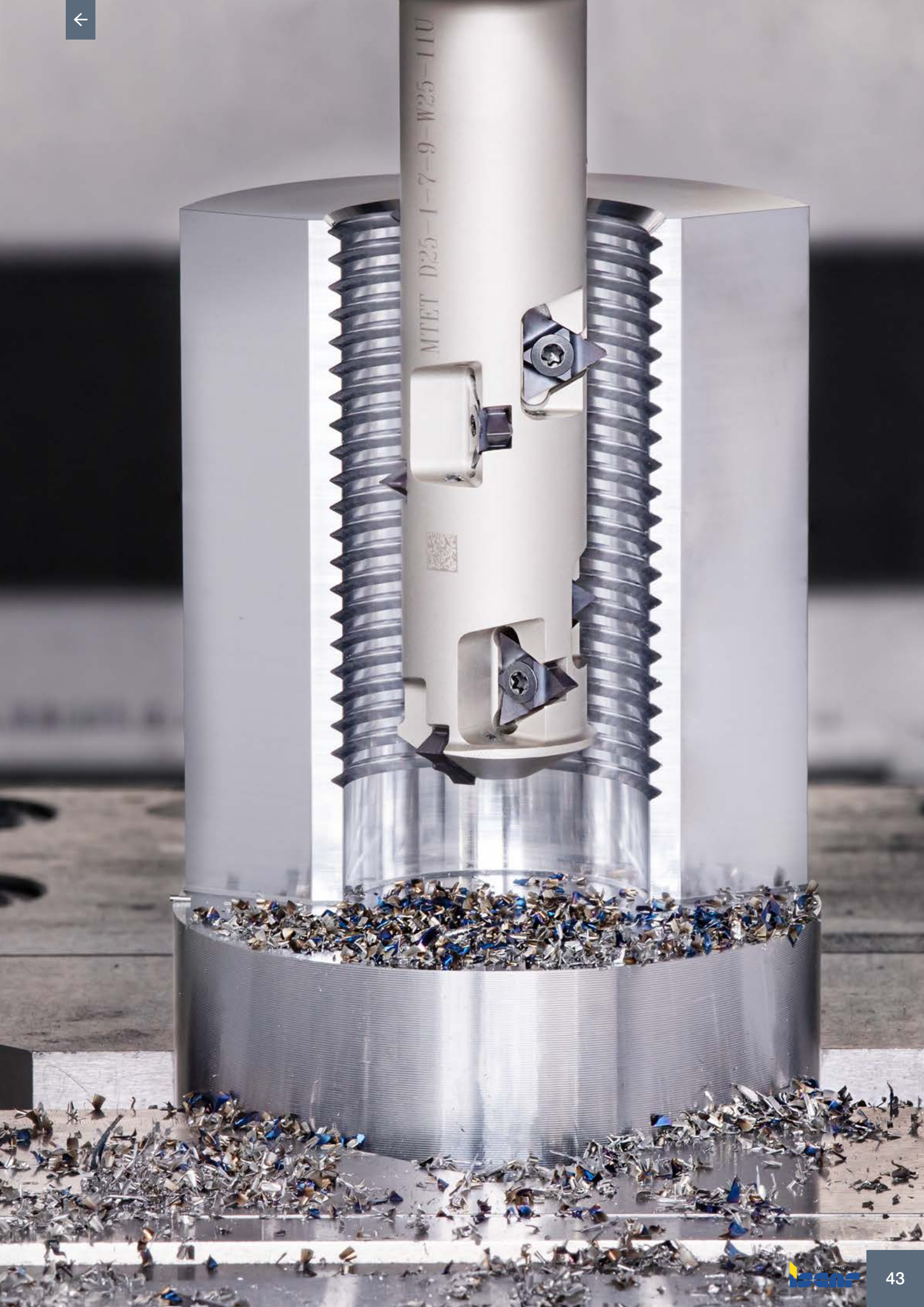
Designation		
MTET D20-1-12-5-W25-11U	SR M2.6-L6.7-S11	T-8/5
MTET D25-3-21-3-W25-11U	SR M2.6-L6.7-S11	T-8/5
MTET D30-3-36-3-W32-11U	SR M2.6-L6.7-S11	T-8/5
MTET D36-3-30-3-W40-16U	SR 14-562	T-10/5
MTET D42-3-60-2-W40-16U	SR 14-562	T-10/5

Tool with Inserts	Suitable Pitches INT [mm]			Suitable Pitches EXT [mm]		
MTET D20-1-12-5-W25-11U+MT TNCT 11U 60D	3			2	3	
MTET D25-3-21-3-W25-11U+MT TNCT 11U 60D	3	3.5		3		
MTET D30-3-36-3-W32-11U+MT TNCT 11U 60D	3	4		2	3	
MTET D36-3-30-3-W40-16U+MT TNCT 16U 60D	5	6		3	5	
MTET D42-3-60-2-W40-16U+MT TNCT 16U 60D	4	5	6	3	4	5



Cutting conditions for MTET Step Release

ISO	Material		Condition	Hardness HB	Tensile Strength [N/mm²]	Material Group No.	Cutting conditions		
								F_z mm/tooth	
								Insert designation	
							v_c (m/min)	MT TNCT 11U	MT TNCT 16U
P	non-alloy steel and cast steel, free cutting steel	<0.25% C	annealed	125	428	1	200	0.3	0.4
		≥0.25% C	annealed	190	639	2	200	0.3	0.4
		<0.55% C	quenched and tempered	210	708	3	200	0.3	0.4
		≥0.55% C	annealed	190	639	4	200	0.3	0.4
			quenched and tempered	300	1013	5	200	0.3	0.4
	low alloy and cast steel (less than 5% of alloying elements)		annealed	220	745	6	200	0.3	0.4
			quenched and tempered	175	591	7	200	0.3	0.4
				285	960	8	200	0.3	0.4
				380	1282	9	150	0.35	0.35
	high alloyed steel, cast steel and tool steel		annealed	430	1477	10	100	0.2	0.3
			quenched and tempered	200	675	11	200	0.3	0.4
	stainless steel and cast steel		ferritic / martensitic	200	675	12	200	0.25	0.35
			martensitic	330	1114	13	150	0.25	0.35
M	stainless steel and cast steel		austenitic, duplex	230	778	14	80	0.2	0.3
K	gray cast iron (GG)		ferritic / pearlitic	200	400	19	200	0.3	0.4
			pearlitic / martensitic	260	700	20	200	0.3	0.4
	nodular cast iron (GGG)		ferritic	180	200	17	250	0.3	0.4
			pearlitic	245	350	18	200	0.3	0.4
	malleable cast iron		ferritic	155	400	15	200	0.3	0.4
			pearlitic	265	700	16	200	0.3	0.4
N	aluminum-wrought alloys		not hardenable	30	–	21	–	–	–
			hardenable	100	343	22	–	–	–
	aluminum-cast alloys	≤12% Si	not hardenable	75	260	23	–	–	–
			hardenable	130	447	24	300	0.3	0.4
		>12% Si	high temperature	70	250	27	250	0.3	0.4
	copper alloys	>1% Pb	free cutting	100	343	28	–	–	–
			brass	90	314	27	–	–	–
			Cu-alloys, short-chipping	110	382	28	–	–	–
	non metallic		high-strength, ampco	300	1013	28	–	–	–
			duroplastics, fiber plastics	70 Shore D		29	300	0.4	0.5
			hard rubber	55 Shore D		30	300	0.35	0.45
S	high temperature alloys	Fe based	annealed	200	675	31	40	0.25	0.25
			hardened	280	943	32	25	0.15	0.15
		Ni or Co based	annealed	250	839	33	40	0.25	0.25
			hardened	350	1177	34	25	0.15	0.15
			cast	320	1076	35	30	0.2	0.2
	titanium alloys		Pure titanium	200	675	36	40	0.25	0.25
			α and β alloys, hardened	375	1262	37	40	0.25	0.25
			β alloys	410	1396	38	30	0.2	0.2
H	hardened steel		hardened	50 HRC	–	38	45	0.2	0.3
			hardened	55 HRC	–	39	–	–	–
	chilled cast iron		cast	60 HRC	–	40	–	–	–
	cast iron		hardened	55 HRC	–	41	45	0.2	0.3


MTET D25-1-7-9-W25-11U

QUICKCLAMP

Adaptor Mechanism Clamps Small Solid Carbide Round Shank Tools with Maximum Tightening Force

Cylindrical Carbide Drills or Endmills Dia: 3-6mm.

YOU Milling Intelligently?

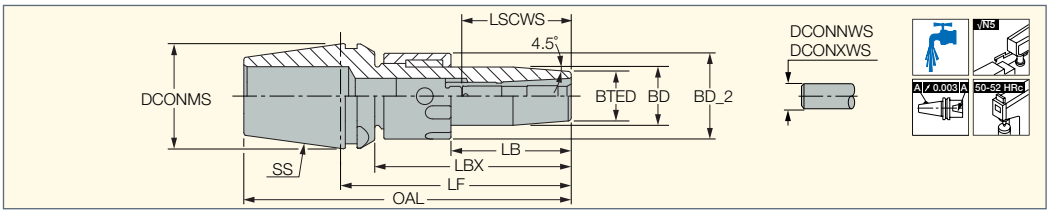
Unique Mechanism with ER 32 Collet Holder for High Rigidity and Strong Clamping Forces. Effective Pinpointed Coolant to the Cutting Edge for Ultimate Chip Evacuation and Longer Tool Life.

SCAN ME

LOGIQUICK
MACHINING INTELLIGENTLY

QUICKCLAMP

ER-MS
QuickClamp System for Small Cutting Tools with Integral Solid ER Shank

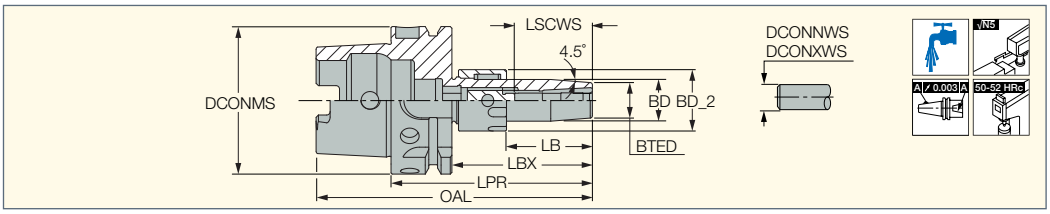


Designation	DCONNWS(1)	DCONXWS(2)	SS	BD	BD_2	LB	LBX	LF	OAL	DCONMS
ER32 MS6X60	3.00	6.00	ER32	17.80	26.20	36.00	60.00	70.00	100.00	32.00

(1) Minimum diameter
(2) Maximum diameter

QUICKCLAMP

HSK-A-MS
QuickClamp System for Small Cutting Tools with HSK ISO12164-1 Shank

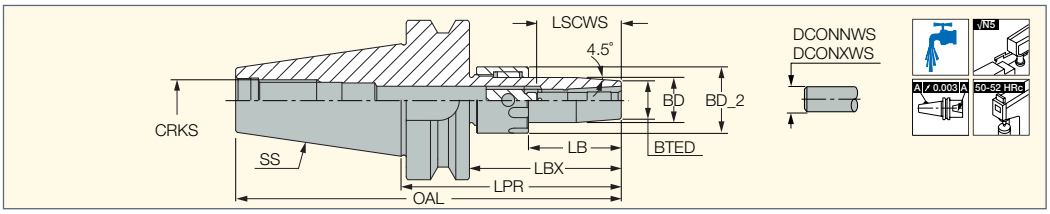


Designation	DCONNWS(1)	DCONXWS(2)	BTED	BD	BD_2	LB	LBX	LPR	OAL	DCONMS	LSCWS	DCP(3)
HSK A63 MS6X60	3.00	6.00	15.00	17.80	26.20	36.00	60.00	86.00	118.00	63.00	33.00	1

(1) Minimum diameter
(2) Maximum diameter
(3) 1 - Slot for data chip, 0 - Without slot for data chip

QUICKCLAMP

BT-MS
QuickClamp System for
Small Cutting Tools with BT
MAS-403 Form AD Shank

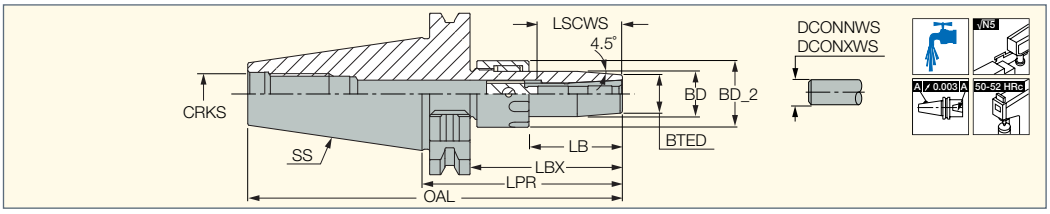


Designation	DCONNWS(1)	DCONXWS(2)	SS	BTED	BD	BD_2	LPR	LB	LBX	OAL	LSCWS	CRKS	DCP(3)
BT40 MS6X60	3.00	6.00	BT40	15.00	17.80	26.20	87.00	36.00	60.00	152.40	33.00	M16	0

(1) Minimum diameter
(2) Maximum diameter
(3) 1 - Slot for data chip, 0 - Without slot for data chip

QUICKCLAMP

DIN69871-MS
QuickClamp System for
Small Cutting Tools with
DIN69871 Form AD Shank

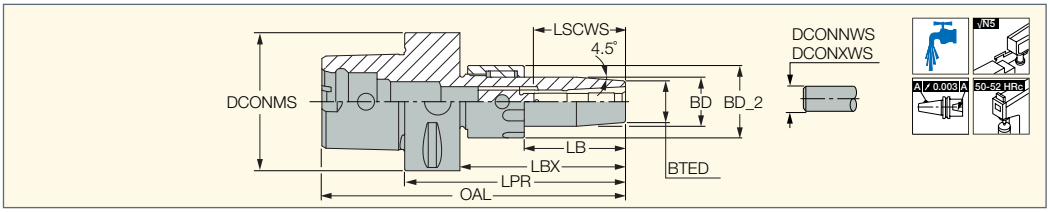


Designation	DCONNWS(1)	DCONXWS(2)	SS	BTED	BD	BD_2	LPR	LBX	LB	OAL	LSCWS	CRKS	DCP(3)
DIN69871 40 MS6X60	3.00	6.00	40	15.00	17.80	26.20	79.10	60.00	36.00	147.50	33.00	M16	0

(1) Minimum diameter
(2) Maximum diameter
(3) 1 - Slot for data chip, 0 - Without slot for data chip

QUICKCLAMP

C#-MS
QuickClamp System for
Small Cutting Tools with
Camfix ISO26623-1 Shank

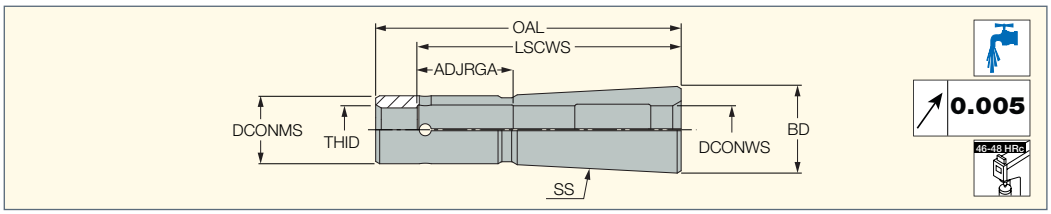


Designation	DCONNWS(1)	DCONXWS(2)	BTED	BD	BD_2	LPR	LBX	LB	DCONMS	LSCWS	OAL	DCP(3)
C5 MS6X60	3.00	6.00	15.00	17.80	26.20	80.00	60.00	36.00	50.00	33.00	110.00	1
C6 MS6X60	3.00	6.00	15.00	17.80	26.20	82.00	60.00	36.00	63.00	33.00	120.00	1

(1) Minimum diameter
(2) Maximum diameter
(3) 1 - Slot for data chip, 0 - Without slot for data chip

QUICKCLAMP

MS-COLLET
Collet for QuickClamp System

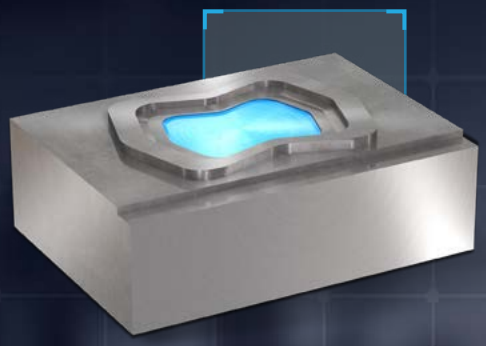


Designation	DCONWS	DCONMS	THID	ADJRGA	LSCWS	SS	BD	OAL
MS6-3 COLLET	3.00	8.50	M6	12.00	33.00	MS6	10.90	38.00
MS6-4 COLLET	4.00	8.50	M6	12.00	33.00	MS6	10.90	38.00
MS6-5 COLLET	5.00	8.50	M6	12.00	33.00	MS6	10.90	38.00
MS6-6 COLLET	6.00	8.50	M6	12.00	33.00	MS6	10.90	38.00


7114664

WHISPERLINE

Anti-Vibration Damping System for Shellmill Cutters to Machine Deep Cavities and Long Overhangs



Shell-Mill Cutters Diameter:
50mm, 63mm.

YOU Milling Intelligently?

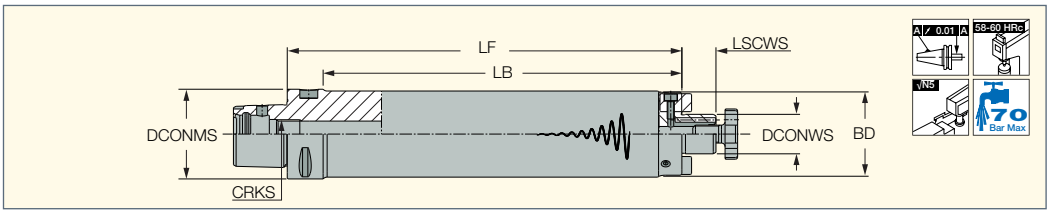
Long Reach of up to 6XD with Range of CAMFIX 5-6 Connections. Internal Coolant Directed to the Cutting Edge for Deep Milling Applications.

SCAN ME

LOGIQUICK
MACHINING INTELLIGENTLY

WHISPERLINE

AV C#-SEM
Anti-Vibration Shell Mill Holders with Coolant Holes and CAMFIX (ISO 26623-1) Shanks



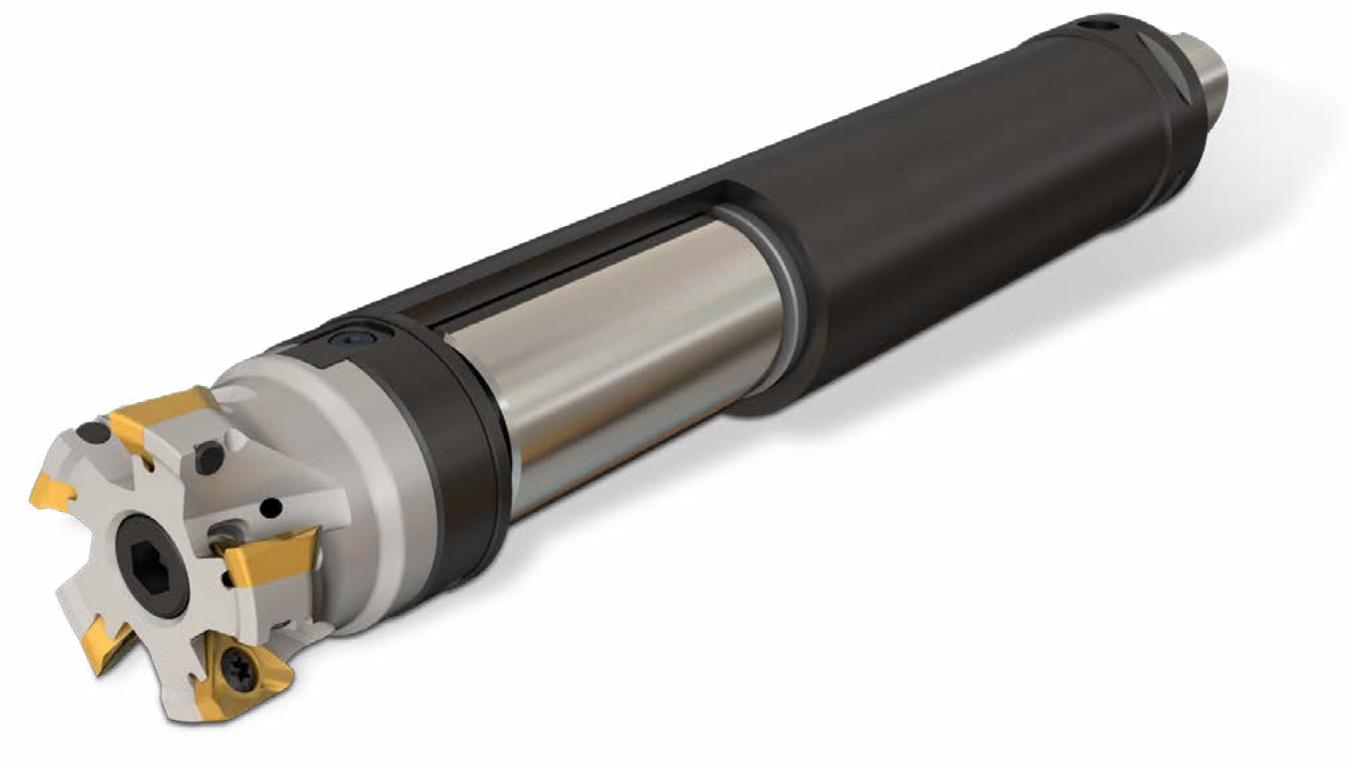
Designation	DCONMS	DCONWS	BD	LSCWS	LB	LF	CRKS	DCP(1)	kg
AV C5 SEM22 48X220	50.00	22.00	48.00	19.00	200.0	220.00	M16	1	3.80
AV C5 SEM22 48X270	50.00	22.00	48.00	19.00	250.0	270.00	M16	1	4.70
AV C6 SEM22 48X270	63.00	22.00	48.00	19.00	248.0	270.00	M20	1	4.60
AV C6 SEM22 61X260	63.00	22.00	61.00	19.00	238.0	260.00	M20	1	7.50
AV C6 SEM22 61X310	63.00	22.00	61.00	19.00	288.0	310.00	M20	1	8.70
AV C6 SEM27 61X250	63.00	27.00	61.00	21.00	228.0	250.00	M20	1	7.40
AV C6 SEM27 61X300	63.00	27.00	61.00	21.00	278.0	300.00	M20	1	8.50

(1) 1 - Slot for data chip, 0 - Without slot for data chip

Spare Parts

Designation						
AV C5 SEM22 48X220	SR M4X10DIN912	DR.DOG 10S	M10 CLAMP SCREW SEM22	COOLING TUBE C5*	WRENCH COOL TUBE C5*	WRENCH M10 SEMC 22*
AV C5 SEM22 48X270	SR M4X10DIN912	DR.DOG 10S	M10 CLAMP SCREW SEM22	COOLING TUBE C5*	WRENCH COOL TUBE C5*	WRENCH M10 SEMC 22*
AV C6 SEM22 48X270	SR M4X10DIN912	DR.DOG 10S	M10 CLAMP SCREW SEM22	COOLING TUBE C6*	WRENCH COOL TUBE C6*	WRENCH M10 SEMC 22*
AV C6 SEM22 61X260	SR M4X10DIN912	DR.DOG 10S	M10 CLAMP SCREW SEM22	COOLING TUBE C6*	WRENCH COOL TUBE C6*	WRENCH M10 SEMC 22*
AV C6 SEM22 61X310	SR M4X10DIN912	DR.DOG 10S	M10 CLAMP SCREW SEM22	COOLING TUBE C6*	WRENCH COOL TUBE C6*	WRENCH M10 SEMC 22*
AV C6 SEM27 61X250	SR M5X14DIN912	DR.DOG 12S	M12 CLAMP SCREW SEM27	COOLING TUBE C6*	WRENCH COOL TUBE C6*	WRENCH M12 SEMC 27*
AV C6 SEM27 61X300	SR M5X14DIN912	DR.DOG 12S	M12 CLAMP SCREW SEM27	COOLING TUBE C6*	WRENCH COOL TUBE C6*	WRENCH M12 SEMC 27*

* Optional, to be ordered separately

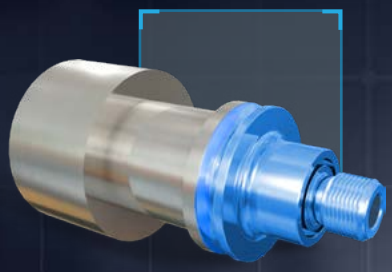


YOU TURNING INTELLIGENTLY?

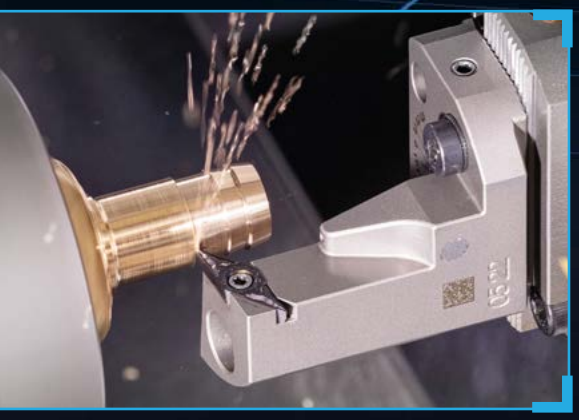
Member IMC Group

QUICKSWISS

Modular Tooling System for Back Machining on Swiss Type Machines



QUICK-SWISS Modular Tools are Designed with Coolant Nozzles Directed to the Cutting Edge.



YOU Turning Intelligently?

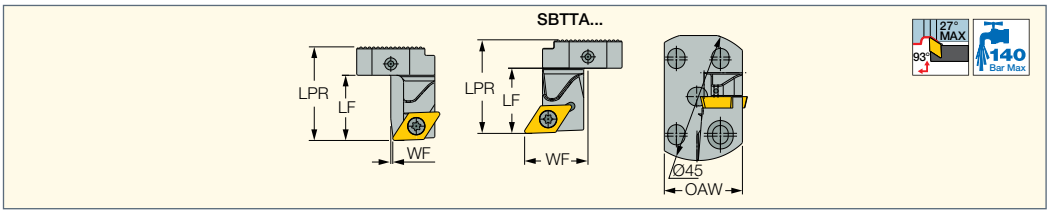
The Quick-Swiss System for Turning, Threading and Drilling.

SCAN ME

LOGIQUICK
MACHINING INTELLIGENTLY

QUICKSWISS

SBTT#-SDJCR/L-JHP
Screw Lock JETCUT Modular Heads Mount 7° Clearance 55° Rhombic Inserts for Back-End Machining on Swiss-Type Machines

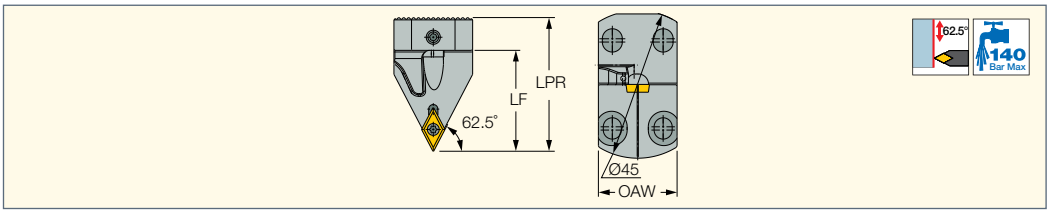


Designation	LF	LPR	OAW	WF	MIID(1)			
SBTT-SDJCR/L07-JHP	23.00	33.00	27.50	0.17	DCGT 070202	SR 14-548	T-7/5	SR M5X30 DIN7984
SBTT-SDJCR/L11-JHP	23.00	33.00	27.50	0.70	DCGT 11T302	SR 16-236	T-15/5	SR M5X30 DIN7984
SBTTA-SDJCR/L11-JHP	23.00	33.00	28.00	22.30	DCGT 11T302	SR 16-236	T-15/5	SR M5X30 DIN7984
SBTTL-SDJCR/L07-JHP	40.00	50.00	27.50	0.17	DCGT 070202	SR 14-548	T-7/5	SR M5X45 DIN7984
SBTTL-SDJCR/L11-JHP	40.00	50.00	27.50	0.70	DCGT 11T302	SR 16-236	T-15/5	SR M5X45 DIN7984

(1) Master insert identification

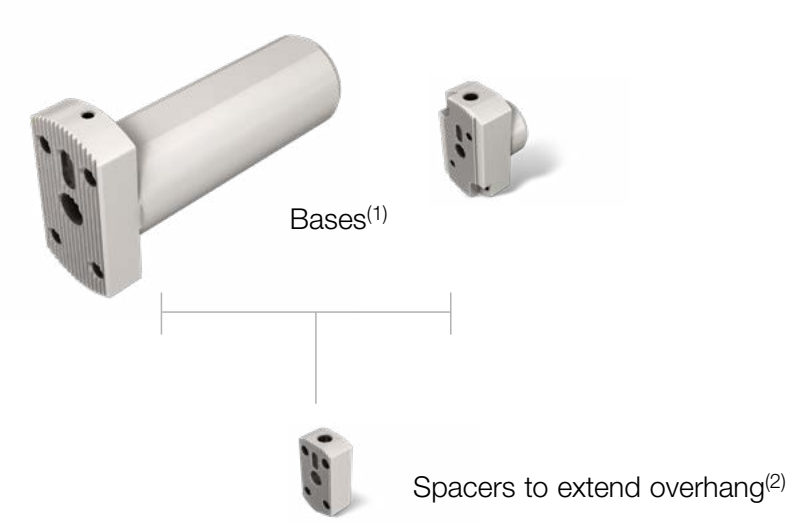
QUICKSWISS

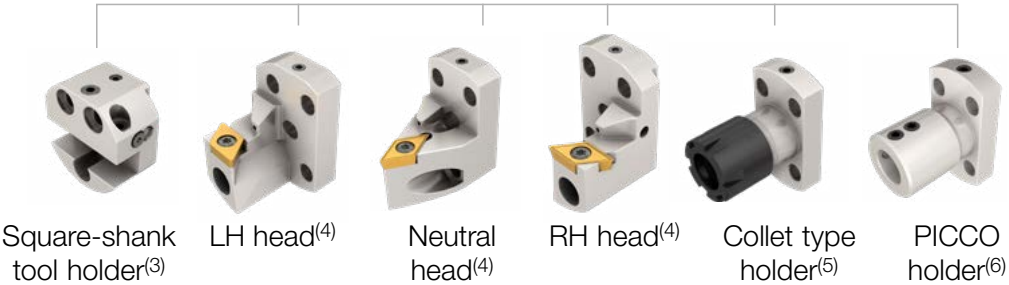
SBTT-SDNCN-JHP
Screw Lock JETCUT Modular Heads Mount 7° Clearance 55° Rhombic Inserts for Back-End Machining on Swiss-Type Machines



Designation	LF	LPR	OAW	MIID(1)			
SBTT-SDNCN07-JHP	31.00	41.00	24.00	DCGT 070204	SR 14-548	SR M5X25 DIN7984	T-7/5
SBTT-SDNCN11-JHP	31.00	41.00	24.00	DCGT 11T302	SR 16-236	SR M5X25 DIN7984	T-15/5

(1) Master insert identification

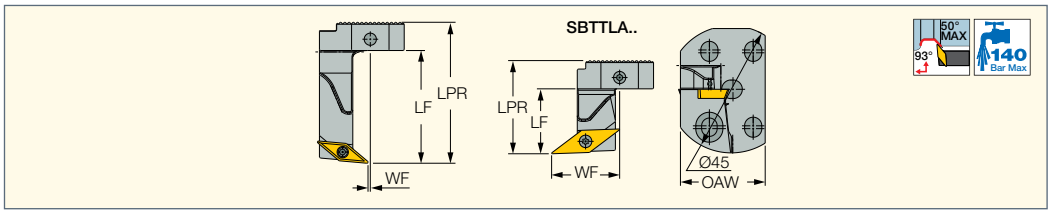




1 The bases are available in different shanks diameters and suitable for a variety of different Swiss-Type machine interfaces.
2 Spacers are available in different thicknesses from 10mm up to 30mm, extending the overhang and coolant option through the base.
3 The holder is suitable for size 10 and 12 square shanks.
4 A large variety of heads are available for different insert types, with short and long head overhangs.
5 Collet type holder for ER11 and ER16 collet sizes.
6 Holders for PICCO-CUT inserts

QUICKSWISS

SBTT#-SVJCR/L-JHP
Screw Lock JETCUT Modular Heads Mount 7° Clearance 35° Rhombic Inserts for Back-End Machining on Swiss-Type Machines

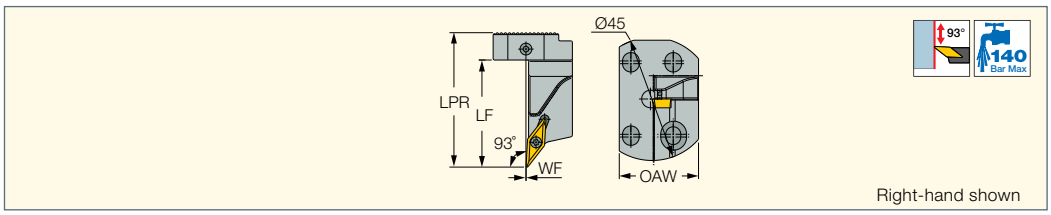


Designation	LF	LPR	OAW	WF	MIID(2)			
SBTT-SVJCR/L11-JHP	23.00	33.00	30.00	0.80	VCMT 110302-F3P	SR 14-560	T-8/5	SR M5X30 DIN7984
SBTTA-SVJCR13-JHP (1)	23.00	33.00	27.00	24.00	VCGT 130302-PF	SR 14-513	T-8/5	SR M5X30 DIN7984
SBTTL-SVJCR/L11-JHP	40.00	50.00	30.00	0.80	VCMT 110302-F3P	SR 14-560	T-8/5	SR M5X45 DIN7984

(1) Available on request
(2) Master insert identification

QUICKSWISS

SBTT#-SVUCR/L-JHP
Screw Lock JETCUT Modular Heads Mount 7° Clearance 35° Rhombic Inserts for Back-End Machining on Swiss-Type Machines

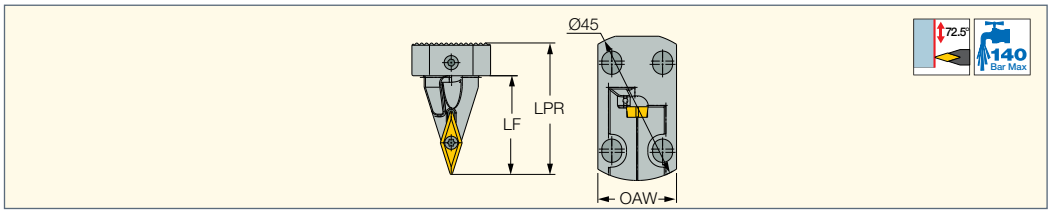


Designation	LF	LPR	OAW	WF	MIID(2)			
SBTT-SVUCR/L11-JHP	23.00	33.00	29.00	0.00	VCMT 110302-F3M	SR 14-560	T-8/5	SR M5X25 DIN7984
SBTTL-SVUCR11-JHP (1)	40.00	50.00	29.00	0.00	VCMT 110302-F3M	SR 14-560	T-8/5	SR M5X40 DIN7984

(1) Available on request
(2) Master insert identification

QUICKSWISS

SBTT-SVVCN-JHP
Screw Lock JETCUT Modular Heads Mount 7° Clearance 35° Rhombic Inserts for Back-End Machining on Swiss-Type Machines

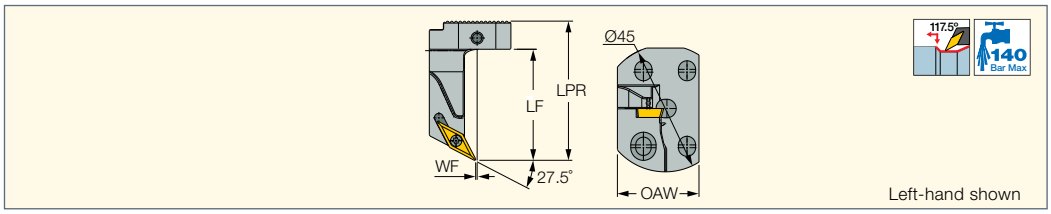


Designation	LF	LPR	OAW	MIID(1)		
SBTT-SVVCN11-JHP	30.00	40.00	24.00	VCMT 110302-F3P	SR 14-560	T-8/5

(1) Master insert identification

QUICKSWISS

SBTT#-SVQCR/L-JHP
Screw Lock JETCUT Modular Heads Mount 7° Clearance 35° Rhombic Inserts for Back-End Machining on Swiss-Type Machines

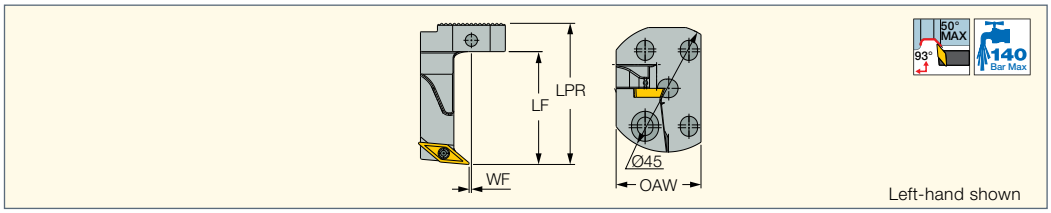


Designation	LF	LPR	OAW	WF	MIID(2)			
SBTT-SVQCR/L11-JHP	23.00	33.00	29.00	0.50	VCMT 110302-F3P	SR 14-560	T-8/5	SR M5X30 DIN7984
SBTTL-SVQCR/L11-JHP (1)	40.00	50.00	29.00	0.50	VCMT 110302-F3P	SR 14-560	T-8/5	SR M5X45 DIN7984

(1) Available on request
(2) Master insert identification

QUICKSWISS

SBTT#-SVJBR/L-JHP
Screw Lock JETCUT Modular Heads Mount 5° Clearance 35° Rhombic Inserts for Back-End Machining on Swiss-Type Machines

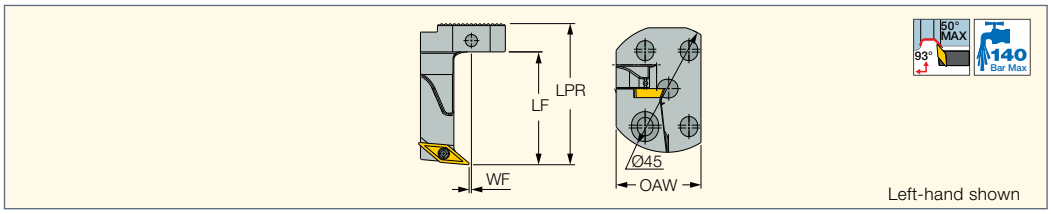


Designation	LF	LPR	OAW	WF	MIID(2)			
SBTT-SVJBR/L11-JHP (1)	23.00	33.00	30.00	0.80	VBGW 110304-F2	SO 250651	T-7/5	SR M5X30 DIN7984
SBTTM-SVJBR/L11-JHP (1)	31.00	41.00	30.00	0.80	VBGW 110304-F2	SO 250651	T-7/5	SR M5X35 DIN7984
SBTTM-SVJBR1102-JHP (1)	31.00	41.00	30.00	0.80	VBGW 110204-F	SO 250651	T-7/5	SR M5X35 DIN7984
SBTTL-SVJBR/L11-JHP (1)	40.00	50.00	30.00	0.80	VBGW 110304-F2	SO 250651	T-7/5	SR M5X45 DIN7984

(1) Available on request
(2) Master insert identification

QUICKSWISS

SBTT#-SVJPR/L-JHP
Screw Lock JETCUT Modular Heads Mount 11° Clearance 35° Rhombic Inserts for Back-End Working on Swiss-Type Machines

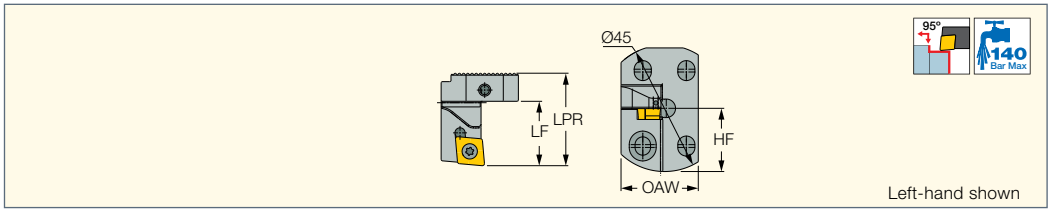


Designation	LF	LPR	OAW	WF	MIID[2]
SBTTL-SVJPR10-JHP [1]	40.00	50.00	30.00	0.80	VPGT 10

[1] Available on request
[2] Master insert identification

QUICKSWISS

SBTT#-SCLCR/L-JHP
Screw Lock JETCUT Modular Heads Mount 7° Clearance 80° Rhombic Inserts for Back-End Machining on Swiss-Type Machines

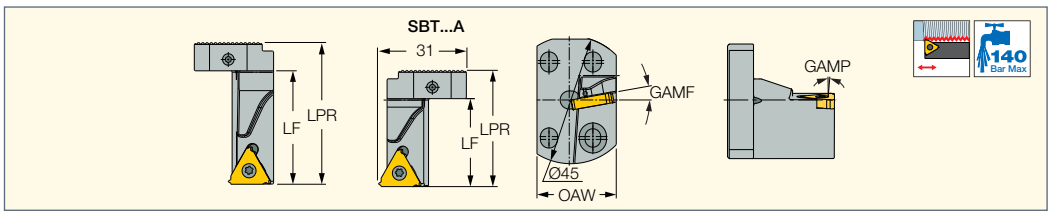


Designation	LF	LPR	HF	OAW	MIID[2]			
SBTT-SCLCR/L06-JHP [1]	23.00	33.00	22.5	28.00	CCMT 060202-PF	SR 14-548	T-7/5	SR M5X30 DIN7984
SBTT-SCLCR/L09-JHP	23.00	33.00	22.5	27.50	CCMT 09T302-PF	SR 16-236	T-15/5	SR M5X30 DIN7984
SBTTL-SCLCR09-JHP	39.00	49.00	22.5	27.50	CCMT 09T302-PF	SR 16-236	T-15/5	SR M5X45 DIN7984

[1] Available on request
[2] Master insert identification

QUICKSWISS

SBTT#-16ER/L-JHP
Screw Lock JETCUT Modular Heads Mount ISO Laydown Threading Inserts for Back-End Machining on Swiss-Type Machines

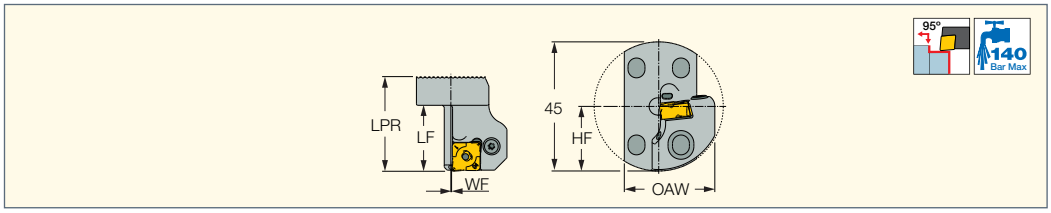


Designation	LF	LPR	OAW	GAMP	GAMF	MIID[2]			
SBTT-16ER-0-JHP [1]	31.00	41.00	28.00	0.0	10.0	16ER A 60	SR 5-40-L9.7-S16S	T-10/5	SR M5X35 DIN7984
SBTT-16ER-15-JHP	31.00	41.00	28.00	1.5	10.0	16ER A 60	SR 5-40-L9.7-S16S	T-10/5	SR M5X35 DIN7984
SBTT-16ER-3-JHP	31.00	41.00	28.00	3.0	10.0	16ER A 60	SR 5-40-L9.7-S16S	T-10/5	SR M5X35 DIN7984
SBTTA-16ER-0-JHP [1]	31.00	41.00	28.00	0.0	10.0	16ER A 60	SR 5-40-L9.7-S16S	T-10/5	SR M5X35 DIN7984
SBTTA-16ER-15-JHP [1]	31.00	41.00	28.00	1.5	10.0	16ER A 60	SR 5-40-L9.7-S16S	T-10/5	SR M5X35 DIN7984
SBTTA-16ER-3-JHP [1]	31.00	41.00	28.00	3.0	10.0	16ER A 60	SR 5-40-L9.7-S16S	T-10/5	SR M5X35 DIN7984
SBTTL-16EL-15-JHP	40.00	50.00	28.00	1.5	10.0	16EL A 60	SR 5-40-L9.7-S16S	T-10/5	SR M5X45 DIN7984
SBTTL-16ER-0-JHP	40.00	50.00	28.00	0.0	10.0	16ER A 60	SR 5-40-L9.7-S16S	T-10/5	SR M5X45 DIN7984
SBTTL-16ER-15-JHP	40.00	50.00	28.00	1.5	10.0	16ER A 60	SR 5-40-L9.7-S16S	T-10/5	SR M5X45 DIN7984
SBTTL-16ER-3-JHP	40.00	50.00	28.00	3.0	10.0	16ER A 60	SR 5-40-L9.7-S16S	T-10/5	SR M5X45 DIN7984
SBTTLA-16ER-15-JHP [1]	40.00	50.00	28.00	1.5	10.0	16ER A 60	SR 5-40-L9.7-S16S	T-10/5	SR M5X45 DIN7984

[1] Available on request
[2] Master insert identification

QUICKSWISS

SBTT-PCLXR/L09-JHP
Lever Lock JETCUT Modular Heads on which Double-Sided 80° Rhombic Inserts are Mounted for Back-End Machining

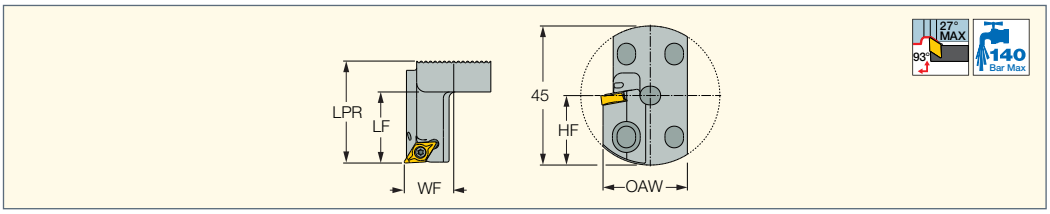


Designation	LF	HF	LPR	OAW	WF	MIID[1]			
SBTT-PCLXR/L09-JHP	23.00	22.5	33.00	31.60	0.25	CXMG 090408	SR M6XL11.5V	LR 3X SET	T-8/5

[1] Master insert identification

QUICKSWISS

SBTT/L/A-SDJNR/L07-JHP
Screw Lock JETCUT Modular Heads on which Positive Double-Sided 55° Rhombic Inserts are Mounted for Back-End Machining



Designation	LF	HF	LPR	OAW	WF	MIID[1]
SBTT-SDJNL07-JHP	23.00	22.5	33.00	27.00	0.25	DNGP 070302R
SBTT-SDJNR07-JHP	23.00	22.5	33.00	27.00	0.25	DNGP 070302L
SBTTA-SDJNL07-JHP	23.00	22.5	33.00	27.30	16.00	DNGP 070302R
SBTTA-SDJNR07-JHP	23.00	22.5	33.00	27.30	16.00	DNGP 070302L
SBTTL-SDJNL07-JHP	40.00	22.5	50.00	27.00	0.25	DNGP 070302R
SBTTL-SDJNR07-JHP	40.00	22.5	50.00	27.00	0.25	DNGP 070302L

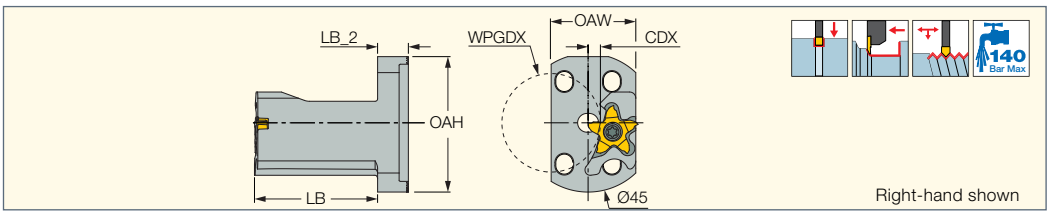
[1] Master insert identification

Spare Parts

Designation		
SBTT/L/A-SDJNR/L07-JHP	SR 34-514	T-7/5

QUICKSWISS

SBTT#-PCHRS/LS-17-JHP
Screw Lock JETCUT Modular Heads Mount PENTA 17 Grooving Inserts for Back-End Machining on Swiss-Type Machines

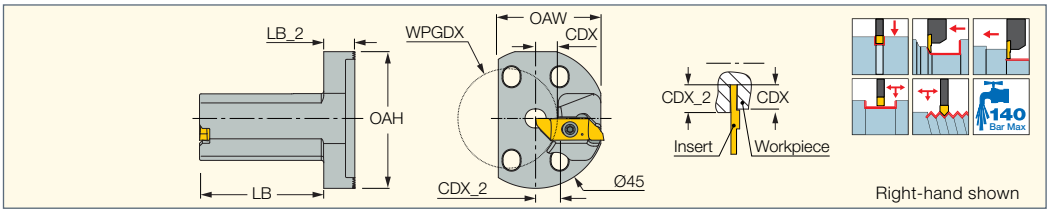


Designation	LB	LB_2	OAW	OAH	CDX	WPGDX	MIID[1]		
SBTT-PCHRS17-JHP	23.00	10.00	27.50	44.00	4.00	32.0	PENTA 17...RS	SR M4-39432L	T-15/5
SBTT-PCHLS17-JHP	23.00	10.00	27.50	44.00	4.00	32.0	PENTA 17...LS	SR M4-39432	T-15/5
SBTTL-PCHRS17-JHP	40.00	10.00	27.50	44.00	4.00	32.0	PENTA 17...RS	SR M4-39432L	T-15/5
SBTTL-PCHLS17-JHP	40.00	10.00	27.50	44.00	4.00	32.0	PENTA 17...LS	SR M4-39432	T-15/5

[1] Master insert identification

QUICKSWISS

SBTT#-SCHR/L22-JHP
Screw Lock JETCUT Modular Heads Mount SWISSCUT Groove-Turn Inserts for Back-End Machining on Swiss-Type Machines

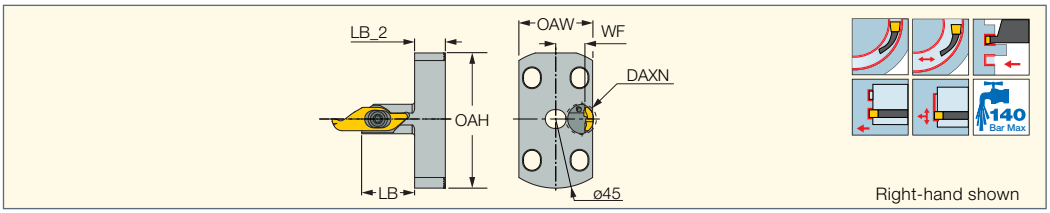


Designation	LB	LB_2	OAW	OAH	CDX	CDX_2	WPGDX	MIID[1]		
SBTT-SCHR22-JHP	23.00	10.00	33.00	44.00	7.00	8.00	32.0	SCIR 22-...	SR M4X0.7-19425	T-8/5
SBTT-SCHL22-JHP	23.00	10.00	33.00	44.00	7.00	8.00	32.0	SCIL 22-...	SR M4X0.7-19425	T-8/5
SBTTL-SCHR22-JHP	40.00	10.00	33.00	44.00	7.00	8.00	32.0	SCIR 22-...	SR M4X0.7-19425	T-8/5
SBTTL-SCHL22-JHP	40.00	10.00	33.00	44.00	7.00	8.00	32.0	SCIL 22-...	SR M4X0.7-19425	T-8/5

[1] Master insert identification

QUICKSWISS

SBTT#-MIFHR-JHP
Screw Lock JETCUT Modular Heads Mount MINCUT Face Grooving Inserts for Back-End Machining on Swiss-Type Machines

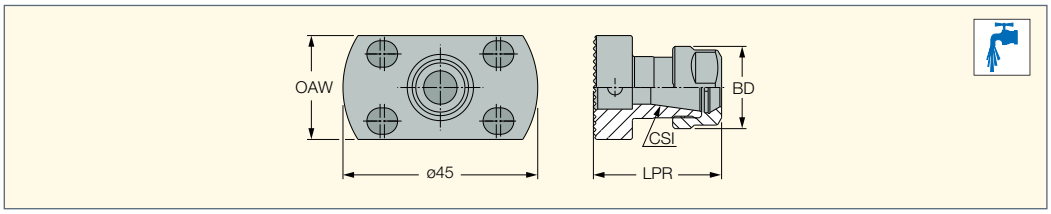


Designation	LB	LB_2	OAW	WF	OAH	DAXN[1]	MIID[2]		
SBTT-MIFHR-8-JHP	12.50	10.00	24.00	7.50	44.00	8.0	MIFR 8-...	SR 14-297	T-8/5
SBTT-MIFHR-10-JHP	17.20	10.00	24.00	9.50	44.00	10.0	MIFR 10-...	SR 34-506 M3x0.5	T-9/5
SBTTM-MIFHR-15-JHP	15.00	10.00	24.00	7.70	44.00	18.5	MIFR 15-...	SR 34-506/L	T-9/5

[1] Minimum axial grooving diameter
[2] Master insert identification

QUICKSWISS

SBTH-ER
DIN6499 ER Collet Chuck Holders for Height adjustable Modular Back-End Machining System for Swiss-Type Machines



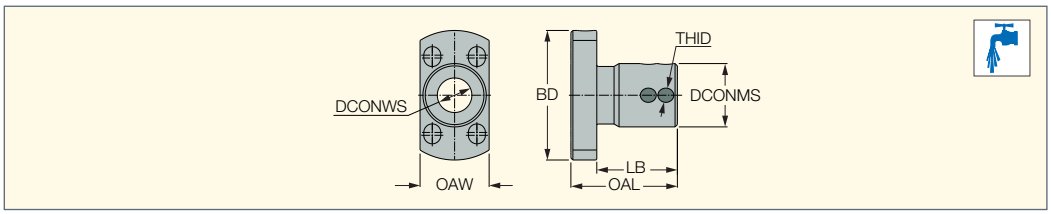
Designation	BD	CSI	OAW	LPR
SBTH-ER11	19.00	ER11	24.00	31.60
SBTH-ER16	22.00	ER16	24.00	42.00

Spare Parts

Designation					
SBTH-ER11	SBTA-IK-SP1	SBTA-ZEN1	SBTA-QR5.28X1.78	NUT ER11 UM	SR M5X0.5X16 DIN913
SBTH-ER16	SBTA-IK-SP1	SBTA-ZEN1	SBTA-QR5.28X1.78	NUT ER16 MINI	SR M5X0.5X16 DIN913

QUICKSWISS

SBTH-PICCO
Height-Adjustable Modular Back-End Machining System for Swiss -Type Machines with Round Shank Holders



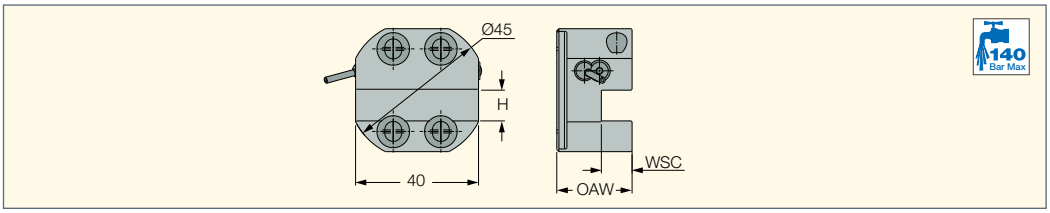
Designation	DCONMS	DCONWS	BD	OAL	LB	OAW	THID
SBTH-PICCO	22.00	12.00	45.00	37.00	28.00	24.00	M5x0.5

Spare Parts

Designation					
SBTH-PICCO	SR M5X0.5X16 DIN913	SBTA-IK-SP1	SBTA-ZEN1	SBTA-QR5.28X1.78	SR M5X0.5X8 DIN913

QUICKSWISS

SBTH-JHP
Square Shank Tool Holders for Height Adjustable Modular Back-End Machining Systems for Swiss-Type Machines



Designation	WSC	OAW	H
SBTH-1010-JHP	10.0	24.50	10.0
SBTH-1212-JHP	12.0	24.50	12.0

Spare Parts

Designation									
SBTH-1010-JHP	SBTA-IK-SP1	SBTA-ZEN1	HW 3.0	SBTA-QR5.28X1.78	FLAT RING-SW-S5	SBTA-BALL-5.5	SBTA-BCN-L16	SR M5X16 DIN7984	SR M5X30 DIN7984
SBTH-1212-JHP	SBTA-IK-SP1	SBTA-ZEN2	HW 3.0	SBTA-QR5.28X1.78	FLAT RING-SW-S5	SBTA-BALL-5.5	SBTA-BCN-L16	SR M5X14 DIN7984	SR M5X35 DIN7984

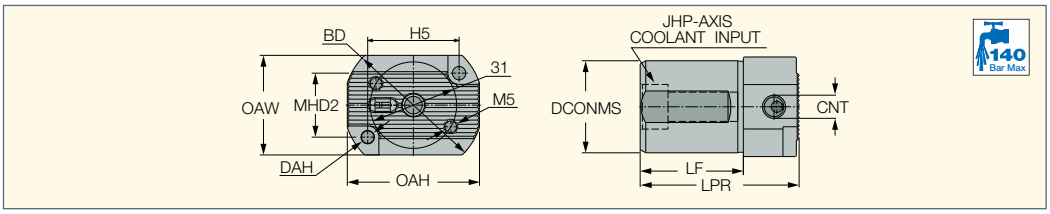
Spare Parts

Designation							
SBTH-1010-JHP	SR M6X12 DIN916	SR M5X0.5X16 DIN913	SCREW DIN 7991 M3 X 8	SR M6X20 DIN916			
SBTH-1212-JHP	SR M7X12 DIN916	SR M5X0.5X12 DIN913	SCREW DIN 7991 M3 X 8		SR M7X16 DIN916	SR M5X8 DIN7984	SBTA-1212AP

QUICKSWISS

SBTB-JHP-T/R

JETCUT Base Holders for Back-End Machining Heads Intended for Swiss-Type Machines



Designation	DCONMS	BD	LF	LPR	MHD2	MHD	DAH	OAH	OAW	CNT
SBTB1620SRWD	16.00	45.00	20.00	30.00	-	-	-	-	24.00	-
SBTB1660-JHP-R	16.00	45.00	60.00	70.00	-	-	-	-	24.00	M8X1(JHP-AXIS)
SBTB1960-JHP-R	19.05	45.00	60.00	70.00	-	-	-	-	24.00	G1/8(JHP-AXIS)
SBTB20125-JHP-R	20.00	45.00	120.00	130.00	-	-	-	-	24.00	G1/8(JHP-AXIS)
SBTB2060-JHP-R	20.00	45.00	60.00	70.00	-	-	-	-	24.00	G1/8(JHP-AXIS)
SBTB2270-JHP-R	22.00	45.00	70.00	80.00	-	-	-	-	24.00	G1/8(JHP-AXIS)
SBTB2225SW-JHP-T	22.00	47.00	25.00	45.00	25.0	30.00	4.50	37.50	32.50	M8X1(JHP-T)
SBTB2225SRWD	22.00	48.00	25.00	35.00	26.9	26.90	5.50	-	38.00	-
SBTB2225SRR-JHP-T	22.00	52.00	25.00	45.00	13.7	37.60	5.50	-	28.00	M8X1(JHP-T)
SBTB25100-JHP-R	25.00	45.00	100.00	110.00	-	-	-	-	24.00	G1/8(JHP-AXIS)
SBTB2560-JHP-R	25.00	45.00	60.00	70.00	-	-	-	-	24.00	G1/8(JHP-AXIS)
SBTB2670-JHP-R	25.40	45.00	70.00	80.00	-	-	-	-	24.00	G1/8(JHP-AXIS)
SBTB2885-JHP-R (1)	28.00	45.00	85.00	95.00	-	-	-	-	24.00	M12X1.5(JHP-AXIS)
SBTB2885-JHP-T	28.00	45.00	85.00	105.00	-	-	-	-	24.00	M8X1(T) M12X1.5(AXIS)
SBTB2836CT20-JHP-T (1)	28.00	46.00	36.00	56.00	27.0	27.00	4.50	36.00	34.50	M8X1(JHP-T)
SBTB3115CIT-JHP-T	31.00	60.00	15.00	35.00	23.5	40.70	5.50	59.00	34.00	M8X1(JHP-T)
SBTB3225HA32-JHP-T	32.00	50.00	25.00	45.00	28.4	28.40	4.50	39.00	39.00	M8X1(JHP-T)
SBTB3337HA20-JHP-T	33.00	50.00	37.00	57.00	22.9	32.80	4.50	47.40	35.70	M8X1(JHP-T)
SBTB3440-JHP-T	34.00	50.00	44.00	64.00	29.7	29.70	4.50	37.50	37.50	M8X1(JHP-T)

(1) Available on request

Designation	Machines
SBTB1620SRWD	STAR SR16 / SST16 / SR20 / RNC16
SBTB2225SRWD	STAR SR32 / SR32J (old)
SBTB2225SRR-JHP-T	STAR SR10J / SB16 / SB20 / SR20J / SR20JN / SR20 R / II / III / SR32J / SR32JN / ECAS12 / ECAS20 / SR20R IV (Positions T21 - T24)
SBTB2225SW-JHP-T	STAR SB12R / SB20R / SR20R IV / SW20 / SV20R / SR32J II / SR38 / SW12R II / SR20J II
SBTB3440-JHP-T	STAR SV38R / ECAS32, MAIER
SBTB1660-JHP-R	STAR, TRAUB, MANURHIN
SBTB1960-JHP-R	CITIZEN L20/C16/M16
SBTB2060-JHP-R	CITIZEN B12, TSUGAMI BS12 / BS20
SBTB20125-JHP-R	TORNOS DECO, MANURHIN Swing 7-13
SBTB2270-JHP-R	STAR (most 12/16/20/32mm machines), TORNOS DELTA20 / GAMMA20
SBTB2560-JHP-R	CITIZEN L20, TORNOS, HANWHA STL32 / STL35H / STL33 / STL35J, TSUGAMI BS12 / BS20, MANURHIN Swing
SBTB25100-JHP-R	TORNOS DECO , MANURHIN KMX 5/20 / KMX 5/26 / KMX 5/32 / Swing 7-20 / Swing 7-26
SBTB2670-JHP-R	CITIZEN M32 / C32 / L32
SBTB2836CT20-JHP-T	TORNOS CT20
SBTB2885-JHP-R	TRAUB TNL 12 / TNL16
SBTB2885-JHP-T	TRAUB TNL 12 / TNL16
SBTB3115CIT-JHP-T	CITIZEN A32-VII / L32
SBTB3225HA32-JHP-T	HANWHA STL38H
SBTB3337HA20-JHP-T	HANWHA XD20H /XD20J / XD32H / XD32J

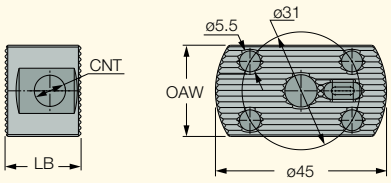
Spare Parts

Designation									
SBTB1620SRWD	SBTA-IK-HOP	SBTA-EXB	SBTA-QR5.28X1.78	HW 3.0 FLAT RING-SW-S5	SR M5X18 DIN7984				
SBTB1660-JHP-R	SBTA-IK-HOP	SBTA-EXB	SBTA-QR5.28X1.78	HW 3.0 FLAT RING-SW-S5	SR M5X18 DIN7984	SR M8X1X6 DIN913			
SBTB1960-JHP-R	SBTA-IK-HOP	SBTA-EXB	SBTA-QR5.28X1.78	HW 3.0 FLAT RING-SW-S5	SR M5X18 DIN7984	PLG G1/8 TL360			
SBTB20125-JHP-R	SBTA-IK-HOP	SBTA-EXB	SBTA-QR5.28X1.78	HW 3.0 FLAT RING-SW-S5	SR M5X18 DIN7984	PLG G1/8 TL360			
SBTB2060-JHP-R	SBTA-IK-HOP	SBTA-EXB	SBTA-QR5.28X1.78	HW 3.0 FLAT RING-SW-S5	SR M5X18 DIN7984	PLG G1/8 TL360			
SBTB2270-JHP-R	SBTA-IK-HOP	SBTA-EXB	SBTA-QR5.28X1.78	HW 3.0 FLAT RING-SW-S5	SR M5X18 DIN7984	PLG G1/8 TL360			
SBTB2225SW-JHP-T	SBTA-IK-HOP	SBTA-EXB	SBTA-QR5.28X1.78	HW 3.0 FLAT RING-SW-S5	SR M5X18 DIN7984	SR M8X1X8 DIN906			SR M4X10DIN912
SBTB2225SRWD	SBTA-IK-HOP	SBTA-EXB	SBTA-QR5.28X1.78	HW 3.0 FLAT RING-SW-S5	SR M5X18 DIN7984				SR M5X10 DIN7984
SBTB2225SRR-JHP-T	SBTA-IK-HOP	SBTA-EXB	SBTA-QR5.28X1.78	HW 3.0 FLAT RING-SW-S5	SR M5X18 DIN7984	SR M8X1X8 DIN906			SR M5X10 DIN7984
SBTB25100-JHP-R	SBTA-IK-HOP	SBTA-EXB	SBTA-QR5.28X1.78	HW 3.0 FLAT RING-SW-S5	SR M5X18 DIN7984	PLG G1/8 TL360			
SBTB2560-JHP-R	SBTA-IK-HOP	SBTA-EXB	SBTA-QR5.28X1.78	HW 3.0 FLAT RING-SW-S5	SR M5X18 DIN7984	PLG G1/8 TL360			
SBTB2670-JHP-R	SBTA-IK-HOP	SBTA-EXB	SBTA-QR5.28X1.78	HW 3.0 FLAT RING-SW-S5	SR M5X18 DIN7984	PLG G1/8 TL360			
SBTB2885-JHP-R	SBTA-IK-HOP	SBTA-EXB	SBTA-QR5.28X1.78	HW 3.0 FLAT RING-SW-S5	SR M5X18 DIN7984	SR M12X1.5X10 DIN913			
SBTB2885-JHP-T	SBTA-IK-HOP	SBTA-EXB	SBTA-QR5.28X1.78	HW 3.0 FLAT RING-SW-S5	SR M5X18 DIN7984	SR M8X1X8 DIN906	SR M12X1.5X10 DIN913		
SBTB2836CT20-JHP-T	SBTA-IK-HOP	SBTA-EXB	SBTA-QR5.28X1.78	HW 3.0 FLAT RING-SW-S5	SR M5X18 DIN7984	SR M8X1X8 DIN906			SR M4X10DIN912
SBTB3115CIT-JHP-T	SBTA-IK-HOP	SBTA-EXB	SBTA-QR5.28X1.78	HW 3.0 FLAT RING-SW-S5	SR M5X18 DIN7984	SR M8X1X8 DIN906			
SBTB3225HA32-JHP-T	SBTA-IK-HOP	SBTA-EXB	SBTA-QR5.28X1.78	HW 3.0 FLAT RING-SW-S5	SR M5X18 DIN7984	SR M8X1X8 DIN906			SR M4X20 DIN912
SBTB3337HA20-JHP-T	SBTA-IK-HOP	SBTA-EXB	SBTA-QR5.28X1.78	HW 3.0 FLAT RING-SW-S5	SR M5X18 DIN7984	SR M8X1X8 DIN906			SR M4X25DIN912
SBTB3440-JHP-T	SBTA-IK-HOP	SBTA-EXB	SBTA-QR5.28X1.78	HW 3.0 FLAT RING-SW-S5	SR M5X18 DIN7984	SR M8X1X8 DIN906			SR M4X10DIN912

LOGIQUICK MACHINING INTELLIGENTLY

QUICKSWISS

SBTS##S-JHP
Spacer for Tool Extension for Height Adjustable Modular Back-End Machining System for Swiss-Type Machines



Designation	OAW	LB	CNT
SBTS10S [1]	24.00	10.00	-
SBTS15S-JHP	24.00	15.00	M8X1
SBTS20S-JHP	24.00	20.00	M8X1
SBTS25S-JHP	24.00	25.00	M8X1
SBTS30S-JHP	24.00	30.00	M8X1

[1] Without coolant connection

Spare Parts

Designation							
SBTS10S	SBTA-IK-HOP	SBTA-IK-SP1	SBTA-IK-SP2	SBTA-ZEN10	SBTA-EXB10	SBTA-QR5.28X1.78	FLAT RING-SW-S5
SBTS15S-JHP	SBTA-IK-HOP	SBTA-IK-SP1	SBTA-IK-SP2	SBTA-ZEN15	SBTA-EXB15	SBTA-QR5.28X1.78	FLAT RING-SW-S5
SBTS20S-JHP	SBTA-IK-HOP	SBTA-IK-SP1	SBTA-IK-SP2	SBTA-ZEN20	SBTA-EXB20	SBTA-QR5.28X1.78	FLAT RING-SW-S5
SBTS25S-JHP	SBTA-IK-HOP	SBTA-IK-SP1	SBTA-IK-SP2	SBTA-ZEN25	SBTA-EXB25	SBTA-QR5.28X1.78	FLAT RING-SW-S5
SBTS30S-JHP	SBTA-IK-HOP	SBTA-IK-SP1	SBTA-IK-SP2	SBTA-ZEN30	SBTA-EXB30	SBTA-QR5.28X1.78	FLAT RING-SW-S5

Spare Parts

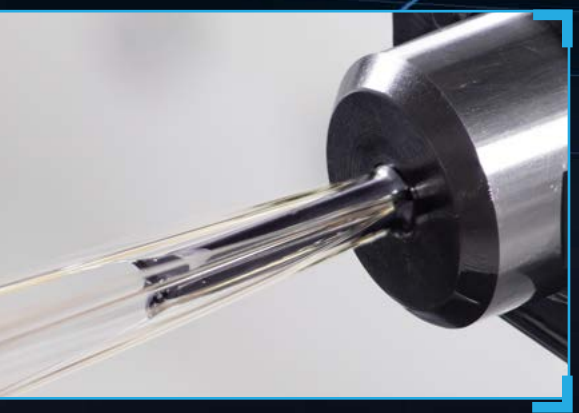
Designation							
SBTS10S	SR M5X25 DIN7984	SR M5X35 DIN7984	SR M5X40 DIN7984	SR M5X45 DIN7984	SR M5X50 DIN7984	SR M5X55 DIN7984	
SBTS15S-JHP	SR M5X30 DIN7984	SR M5X40 DIN7984	SR M5X45 DIN7984	SR M5X50 DIN7984	SR M5X55 DIN7984	SR M5X60 DIN7984	SR M8X1X8 DIN906
SBTS20S-JHP	SR M5X35 DIN7984	SR M5X45 DIN7984	SR M5X50 DIN7984	SR M5X55 DIN7984	SR M5X60 DIN7984	SR M5X65 DIN7984	SR M8X1X8 DIN906
SBTS25S-JHP	SR M5X45 DIN7984	SR M5X50 DIN7984	SR M5X55 DIN7984	SR M5X60 DIN7984	SR M5X65 DIN7984	SR M5X70 DIN7984	SR M8X1X8 DIN906
SBTS30S-JHP		SR M5X45 DIN7984	SR M5X55 DIN7984	SR M5X65 DIN7984	SR M5X70 DIN7984	SR M5X75 DIN7984	SR M8X1X8 DIN906

PICCO 3 CUT

Multi-Cornered PICCO-CUT Inserts with 3 Precise Cutting Edges Designed for Miniature Applications

YOU Turning Intelligently?

High Precision PICCO-3-CUT for Accurate Parts and Reduced Tool Stock. Coolant Through Three Sides of the Insert Directed to the Cutting Edges.

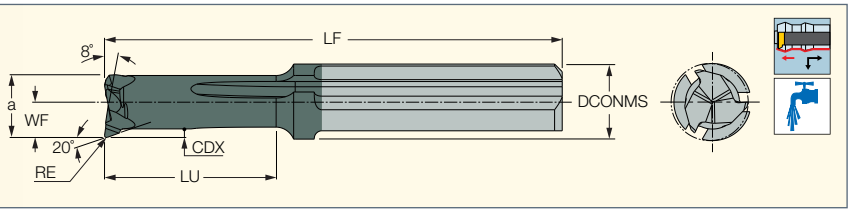


SCAN ME

LOGIQUICK
MACHINING INTELLIGENTLY

PICCO 3CUT

PICCO PMC R/L
Inserts with Three Cutting Edges for Internal Turning and Chamfering

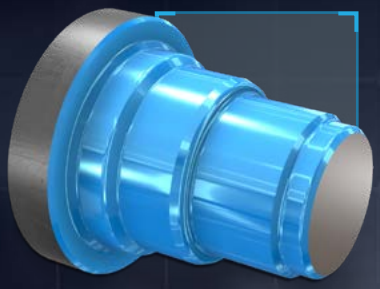


Designation	Dimensions								IC908
	DCONMS	D min	CDX	LU	RE	LF	a	WF	
PMC R/LT20D30R10-10	4.00	3.00	0.20	9.30	0.10	24.00	2.40	1.35	•
PMC R/LT20D30R10-15	4.00	3.00	0.20	14.30	0.10	29.00	2.40	1.35	•
PMC R/LT20D30R10-20	4.00	3.00	0.20	19.30	0.10	34.00	2.40	1.35	•
PMC R/LT20D40R10-10	4.00	4.00	0.30	9.30	0.10	24.00	3.30	1.85	•
PMC R/LT20D40R10-15	4.00	4.00	0.30	14.30	0.10	29.00	3.30	1.85	•
PMC R/LT20D40R10-20	4.00	4.00	0.30	19.30	0.10	34.00	3.30	1.85	•
PMC R/LT20D40R10-25	4.00	4.00	0.30	24.30	0.10	39.00	3.30	1.85	•
PMC R/LT20D50R15-10	5.00	5.00	0.50	9.30	0.15	25.00	4.00	2.30	•
PMC R/LT20D50R15-20	5.00	5.00	0.50	19.30	0.15	35.00	4.00	2.30	•
PMC R/LT20D50R15-25	5.00	5.00	0.50	24.30	0.15	40.00	4.00	2.30	•
PMC R/LT20D50R15-35	5.00	5.00	0.50	34.30	0.15	50.00	4.00	2.30	•
PMC R/LT20D60R15-15	6.00	6.00	0.50	14.30	0.15	30.00	5.00	2.80	•
PMC R/LT20D60R15-25	6.00	6.00	0.50	24.30	0.15	40.00	5.00	2.80	•
PMC R/LT20D60R15-30	6.00	6.00	0.50	29.30	0.15	45.00	5.00	2.80	•
PMC R/LT20D60R15-40	6.00	6.00	0.50	39.30	0.15	55.00	5.00	2.80	•
PMC R/LT20D70R15-20	7.00	7.00	0.60	19.30	0.15	35.00	5.90	3.30	•
PMC R/LT20D70R15-30	7.00	7.00	0.60	29.30	0.15	45.00	5.90	3.30	•
PMC R/LT20D70R15-40	7.00	7.00	0.60	39.30	0.15	55.00	5.90	3.30	•
PMC R/LT20D70R15-50	7.00	7.00	0.60	49.30	0.15	65.00	5.90	3.30	•

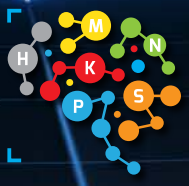
• Specify right- or left-hand bars

LOGIQ6TURN FINISH

Six Positive Cutting Edge Insert for Semi Finishing and Finishing Guarentees Excellent Surface Quality



An Economic Alternative to Positive Inserts with 2 Cutting Edges.



YOU Turning Intelligently?

Positive Insert, Easy Soft Cut, Less Cutting Forces with Low Power Consumption, Reduces Burrs on Steel, Stainless Steel and Titanium Parts.

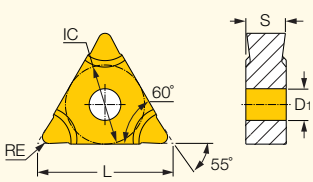
SCAN ME

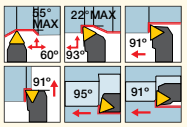
LOGIQUICK MACHINING INTELLIGENTLY

LOGIQ6TURN FINISH

D6NMG-F3P

Double-Sided Triangular Inserts with 55° Corner Angle and a Positive Rake Angle, for Finishing ISO-P Materials





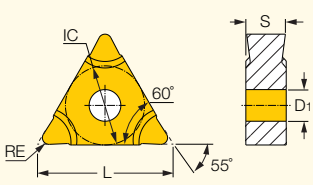
Designation	Dimensions L	IC	S	RE	D1	Tough ↔ Hard IC830	IC8250	IC8150	IC807	Recommended Machining Data a_p (mm)	f (mm/rev)
D6NMG 160404-F3P	16.47	9.52	4.76	0.40	3.81	●	●	●	●	0.50-2.50	0.05-0.25
D6NMG 160408-F3P	16.47	9.52	4.76	0.80	3.81	●	●	●	●	0.80-2.50	0.07-0.25

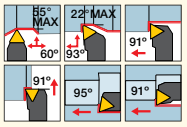
- The LOGIQ-6-TURN inserts fit standard holders also suitable for TNMG inserts

LOGIQ6TURN FINISH

D6NMG-M3P

Double-Sided Triangular Inserts with 55° Corner Angle and a Positive Rake Angle, for Semi-Finishing and Finishing ISO-P





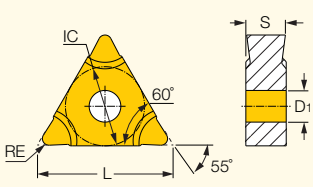
Designation	Dimensions L	IC	S	RE	D1	Tough ↔ Hard IC830	IC8250	IC8150	IC5010	IC5005	IC807	Recommended Machining Data a_p (mm)	f (mm/rev)
D6NMG 160404-M3P	16.47	9.52	4.76	0.40	3.81	●	●	●	●	●	●	0.50-2.50	0.05-0.25
D6NMG 160408-M3P	16.47	9.52	4.76	0.80	3.81	●	●	●	●	●	●	0.80-2.50	0.07-0.25

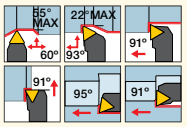
- The LOGIQ-6-TURN inserts fit standard holders also suitable for TNMG inserts

LOGIQ6TURN FINISH

D6NMG-M3M

Double-Sided Triangular Inserts with 55° Corner Angle and a Positive Rake Angle, for Semi-Finishing and Finishing ISO-M



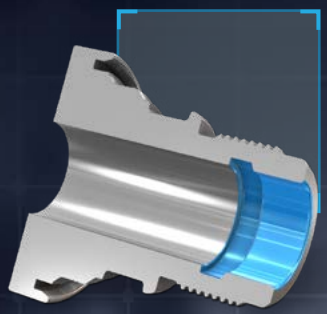


Designation	Dimensions L	IC	S	RE	D1	Tough ↔ Hard IC830	IC6025	IC6015	IC806	IC807	Recommended Machining Data a_p (mm)	f (mm/rev)
D6NMG 160404-M3M	16.47	9.52	4.76	0.40	3.81	●	●	●	●	●	0.50-2.50	0.05-0.25
D6NMG 160408-M3M	16.47	9.52	4.76	0.80	3.81	●	●	●	●	●	0.80-2.50	0.07-0.25

- The LOGIQ-6-TURN inserts fit standard holders also suitable for TNMG inserts

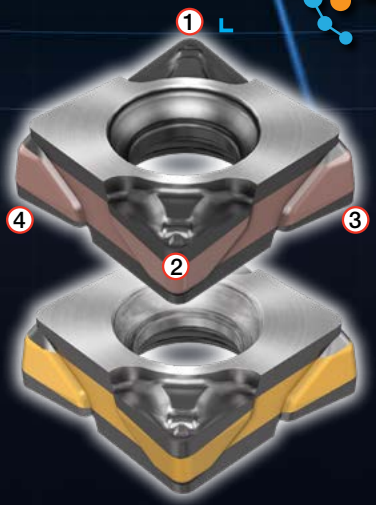
LOGIQ4TURN

Positive Rake Inserts for Miniature and Small Parts



Designed for External and Internal Turning with Shanks. Fits Swiss Machines.

YOU Turning Intelligently?



80° Double-Sided Positive Insert. Clamped in a Dove-Tail Shaped Pocket for Better Insert Stability and Longer Tool Life.

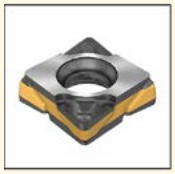
SCAN ME

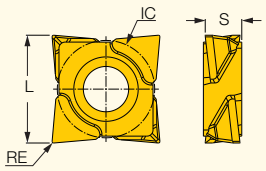
LOGIQUICK
MACHINING INTELLIGENTLY

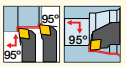
LOGIQ4TURN

CXMU-F3P

80° Double-Sided and Double-Positive Inserts with a Positive Rake for Finishing Alloyed Steel





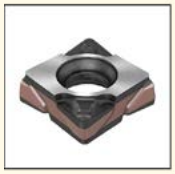


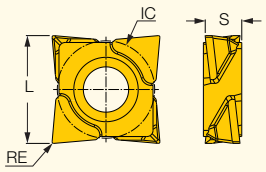
Designation	Dimensions L	IC	S	RE	Tough ↔ Hard IC8250	IC1008	IC8150	IC807	Recommended Machining Data a_p (mm)	f (mm/rev)
CXMU 060208-F3P	6.88	6.34	2.38	0.80	●	●	●	●	0.80-2.00	0.07-0.25
CXMU 060204-F3P	6.96	6.34	2.38	0.40	●	●	●	●	0.50-2.00	0.05-0.25
CXGU 060201-F3P	7.00	6.34	2.38	1.00	●	●	●		0.20-2.00	0.05-0.25
CXMU 060202-F3P	7.00	6.34	2.38	0.20	●	●	●	●	0.30-2.00	0.05-0.25

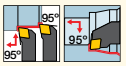
LOGIQ4TURN

CXMU-F3M

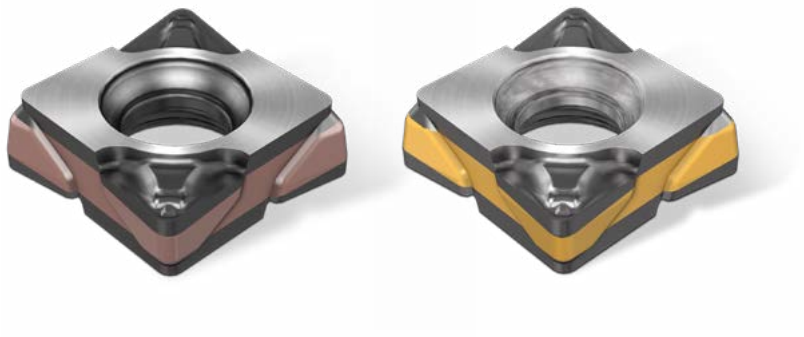
80° Double-Sided and Double-Positive Inserts with a Positive Rake for Finishing Stainless Steel and H.T.A.





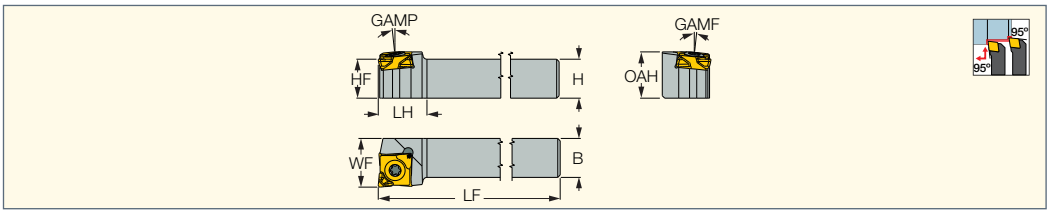


Designation	Dimensions L	IC	S	RE	Tough ↔ Hard IC6025	IC1008	IC6015	IC806	IC807	Recommended Machining Data a_p (mm)	f (mm/rev)
CXMU 060208-F3M	6.88	6.34	2.38	0.80	●	●	●	●	●	0.80-2.00	0.07-0.25
CXMU 060204-F3M	6.96	6.34	2.38	0.40	●	●	●	●	●	0.50-2.00	0.05-0.25
CXGU 060201-F3M	7.00	6.34	2.38	0.10	●	●	●	●		0.20-2.00	0.05-0.25
CXMU 060202-F3M	7.00	6.34	2.38	0.20	●	●	●	●	●	0.30-2.00	0.05-0.25



LOGIQ4TURN

SCLXR/L 06X
Screw Lock Carrying CXMU
80° Rhombic Inserts



Designation	B	H	HF	LF	LH	WF	OAH	GAMP	GAMF	MIID[1]
SCLXR/L 0808F-06X	8.0	8.0	8.0	80.00	10.0	10.00	9.50	6.0	6.0	CXMU 060204

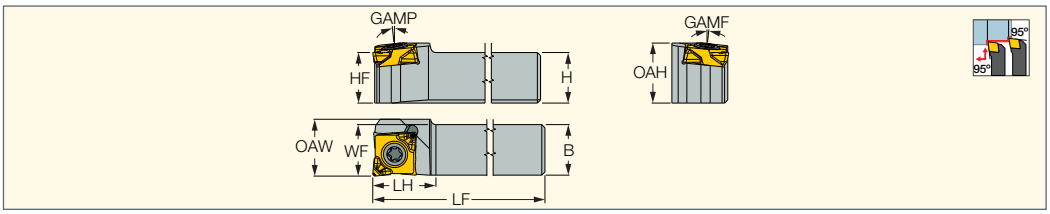
[1] Master insert identification

Spare Parts

Designation		
SCLXR/L 06X	SR M2.5-T8-MT	T-8/5

LOGIQ4TURN

SCLXR/L 06XS
Screw Lock Carrying CXMU
80° Rhombic Inserts for Swiss-Type Automatic Lathes



Designation	B	H	HF	LF	LH	WF	OAW	OAH	GAMP	GAMF	MIID[1]
SCLXR/L 0808K-06XS	8.0	8.0	8.0	125.00	10.0	8.15	9.00	9.50	6.0	6.0	CXMU 060204

[1] Master insert identification

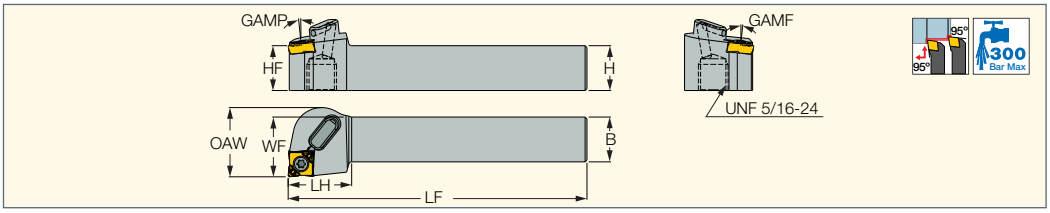
Spare Parts

Designation		
SCLXR/L 06XS	SR M2.5-T8-MT	T-8/5

LOGIQUICK MACHINING INTELLIGENTLY

LOGIQ4TURN

SCLXR/L 06X-JHP
Screw Lock Tools with Channel for High-Pressure Coolant Carrying CXMU 80° Rhombic Inserts



Designation	B	H	HF	LF	LH	WF	OAW	GAMP	GAMF	MIID[1]
SCLXR/L 1010F-06X-JHP	10.0	10.0	10.0	80.00	17.0	12.00	18.50	6.0	6.0	CXMU 060208
SCLXR/L 1212F-06X-JHP	12.0	12.0	12.0	80.00	17.0	16.00	18.50	6.0	6.0	CXMU 060208
SCLXR/L 1616H-06X-JHP	16.0	16.0	16.0	100.00	17.0	20.00	20.00	6.0	6.0	CXMU 060208

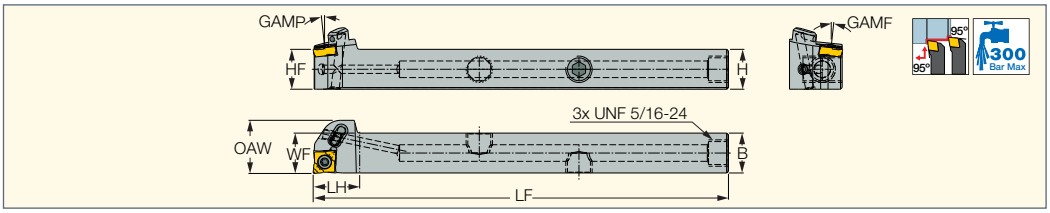
[1] Master insert identification

Spare Parts

Designation		
SCLXR/L 06X-JHP	SR M2.5-T8-MT	T-8/5

LOGIQ4TURN

SCLXR/L 06XS-JHP-MC
Screw Lock Tools with JETCUT Coolant System Carrying CXMU 80° Rhombic Inserts for Swiss-Type Automatic Lathes



Designation	B	H	HF	LF	LH	WF	OAW	GAMP	GAMF	MIID[1]
SCLXR/L 1010K-06XS-JHP-MC	10.0	10.0	10.0	125.00	14.0	10.15	16.00	6.0	6.0	CXMU 060208
SCLXR/L 1212K-06XS-JHP-MC	12.0	12.0	12.0	125.00	14.0	12.15	16.00	6.0	6.0	CXMU 060208
SCLXR/L 1616K-06XS-JHP-MC	16.0	16.0	16.0	125.00	14.0	16.15	16.15	6.0	6.0	CXMU 060208

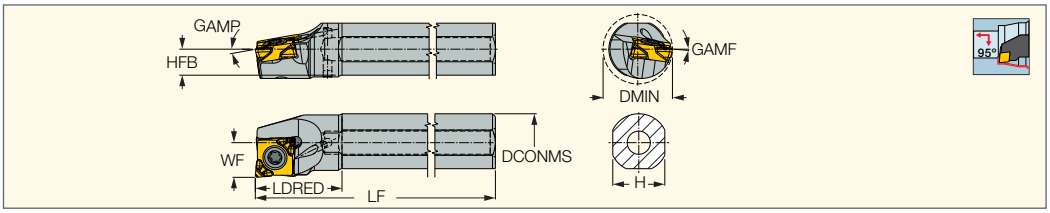
[1] Master insert identification

Spare Parts

Designation				
SCLXR/L 06XS-JHP-MC	SR M2.5-T8-MT	T-8/5	SR 5/16UNF TL360	SR M3X3 DIN913 TL360

LOGIQ4TURN

A/E-SCLXR/L-06X
Screw Lock Boring Bars on which CXMU 80° Rhombic Inserts are Mounted



Designation	DCONMS	LF	LDRED	H	HFB	WF	DMIN	GAMP	GAMF	MIID[1]
A08H SCLXR/L-06X	8.00	100.00	12.0	7.2	3.6	5.00	10.00	8.0	10.0	CXMU 060208
E08K SCLXR/L-06X	8.00	125.00	19.0	7.2	3.6	5.00	10.00	8.0	10.0	CXMU 060208
A10K SCLXR/L-06X	10.00	125.00	15.0	9.0	4.5	6.00	12.00	8.0	8.0	CXMU 060208
E10M SCLXR/L-06X	10.00	150.00	21.5	9.0	4.5	6.00	12.00	8.0	8.0	CXMU 060208
A12M SCLXR/L-06X	12.00	150.00	18.0	11.0	5.5	9.00	16.00	8.0	8.0	CXMU 060208
E12Q SCLXR/L-06X	12.00	180.00	25.0	11.0	5.5	9.00	16.00	8.0	8.0	CXMU 060208

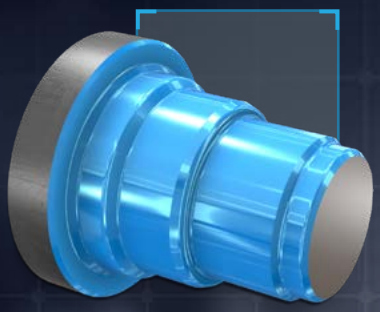
[1] Master insert identification

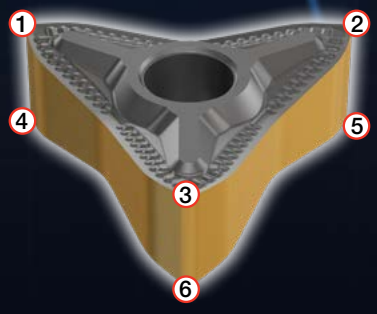
Spare Parts

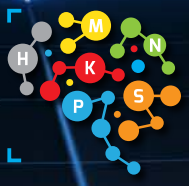
Designation		
A/E-SCLXR/L-06X	SR M2.5-T8-MT	T-8/5

QUICKTURN

6 Cutting Edge Turning Insert for Multi Directional Facing and Profiling Applications with High Productivity







YOU Turning Intelligently?

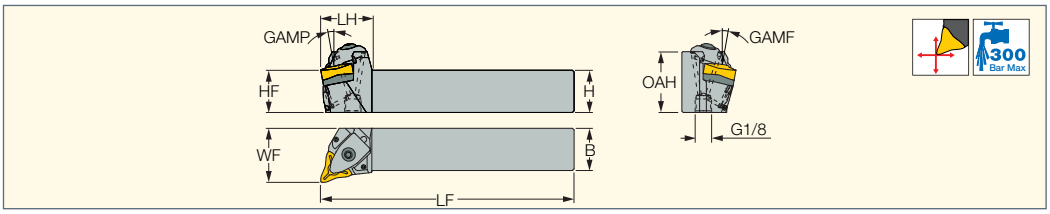
Highly Versatile Insert Used in All Turning Directions. Saves Time and Provides Productivity Gains with Back-Turning.

SCAN ME

LOGIQUICK
MACHINING INTELLIGENTLY

QUICKTURN

Q6-DMXNR/L-SL-JHP
Safety Lock Tools with High Feed Negative Inserts for Roughing Applications.



Designation	H	OAH	HF	B	LF	LH	WF	GAMP	GAMF	MIID[1]
Q6-DMXNR/L 2525M-12-SL-JHP	25.0	36.00	25.0	25.0	150.00	31.0	32.00	7.8	7.8	Q6-MNMG120608-M3#-SL
Q6-DMXNR/L 3232P-12-SL-JHP	32.0	43.00	32.0	32.0	170.00	31.0	39.00	7.8	7.8	Q6-MNMG120608-M3#-SL

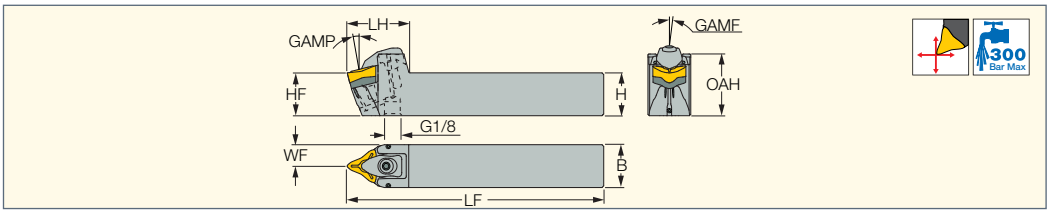
[1] Master insert identification

Spare Parts

Designation							
Q6-DMXNR/L 2525M-12-SL-JHP	SR M2.5X2.5 DIN913 TL360	HW 3.0	SR 10513105-L10.5	DSP 4	DLS 4	DLM 4	Q6-TMN 1206-SL

QUICKTURN

Q6-DMXNN-SL-JHP
Safety Lock Tools with High Feed Negative Inserts for Roughing Applications.



Designation	H	OAH	HF	B	LF	LH	WF	GAMP	GAMF	MIID[1]
Q6-DMXNN 2525M-12-SL-JHP	25.0	36.00	25.0	25.0	150.00	37.0	12.50	7.8	0.0	Q6-MNMG1206#-M3#-SL
Q6-DMXNN 3232P-12-SL-JHP	32.0	43.00	32.0	32.0	170.00	37.0	16.00	7.8	0.0	Q6-MNMG1206#-M3#-SL

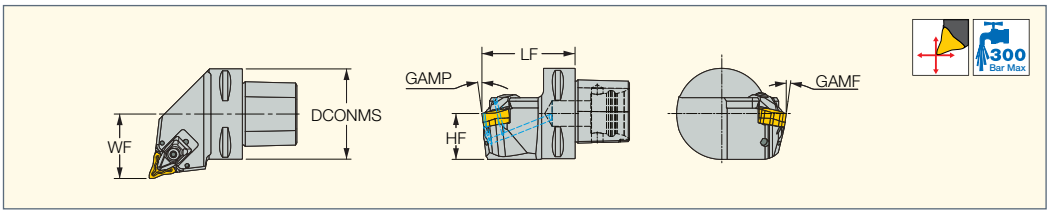
[1] Master insert identification

Spare Parts

Designation							
Q6-DMXNN-SL-JHP	SR 10513105-L10.5	Q6-TMN 1206-SL	HW 3.0	DSP 4	DLS 4	DLM 4	SR M2.5X2.5 DIN913 TL360

QUICKTURN

C#-Q6-DMXNR/L-SL
Safety Lock Tools with CAMFIX Shanks for High Feed Negative Inserts for Roughing Applications



Designation	LF	HF	WF	DCONMS	GAMP	GAMF	MIID[1]
C4 Q6-DMXNR/L-27050-12-SL	50.00	25.5	27.00	40.00	7.8	7.8	Q6-MNMG1206#-M3#-SL
C5 Q6-DMXNR/L-35060-12-SL	60.00	25.5	35.00	50.00	7.8	7.8	Q6-MNMG1206#-M3#-SL
C6 Q6-DMXNR/L-45065-12-SL	65.00	32.0	45.00	60.00	7.8	7.8	Q6-MNMG1206#-M3#-SL

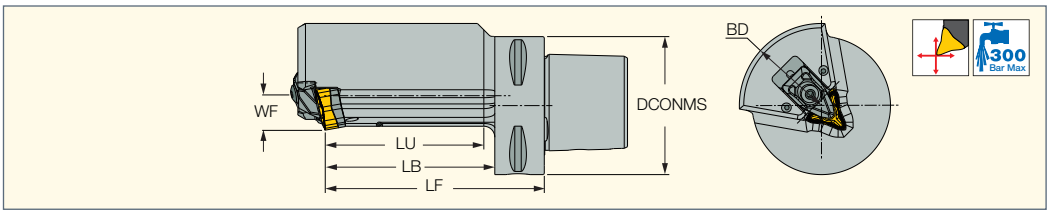
[1] Master insert identification

Spare Parts

Designation								
C4 Q6-DMXNR/L-27050-12-SL	DLM 4	DLS 4	DSP 4	HW 3.0	Q6-TMN 1206-SL	SR 10513105-L10.5	SR M5X5 DIN913 TL360	SR M2.5X2.5 DIN913 TL360
C5 Q6-DMXNR/L-35060-12-SL	DLM 4	DLS 4	DSP 4	HW 3.0	Q6-TMN 1206-SL	SR 10513105-L10.5	SR M5X5 DIN913 TL360	SR M2.5X2.5 DIN913 TL360
C6 Q6-DMXNR/L-45065-12-SL	DLM 4	DLS 4	DSP 4	HW 3.0	Q6-TMN 1206-SL	SR 10513105-L10.5	SR M5X5 DIN913 TL360	SR M2.5X2.5 DIN913 TL360

QUICKTURN

C#-Q6-DMXNN-SL-Y
Y-Axis Turning Tools with a Safety Lock Clamping Mechanism for Negative Inserts, Intended for Roughing and Medium App.

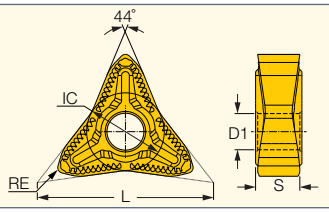


Designation	BD	LF	LB	LU	WF	DCONMS	MIID[1]
C4 Q6-DMXNN-12-SL-H065-Y	60.00	65.00	44.40	39.40	11.20	40.00	Q6-MNMG 1206
C5 Q6-DMXNN-12-SL-H080-Y	75.00	80.00	59.40	54.40	11.20	50.00	Q6-MNMG 1206
C6 Q6-DMXNN-12-SL-H100-Y	75.00	100.00	77.40	72.40	11.20	63.00	Q6-MNMG 1206
C8 Q6-DMXNN-12-SL-H100-Y	80.00	100.00	70.00	65.00	11.20	80.00	Q6-MNMG 1206

[1] Master insert identification

QUICKTURN

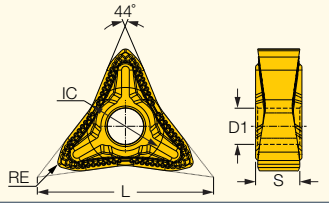
Q6-MNMG-M3P-SL
High Feed Insert with Six Reinforced Cutting Edges and Negative Flank for Roughing Applications.



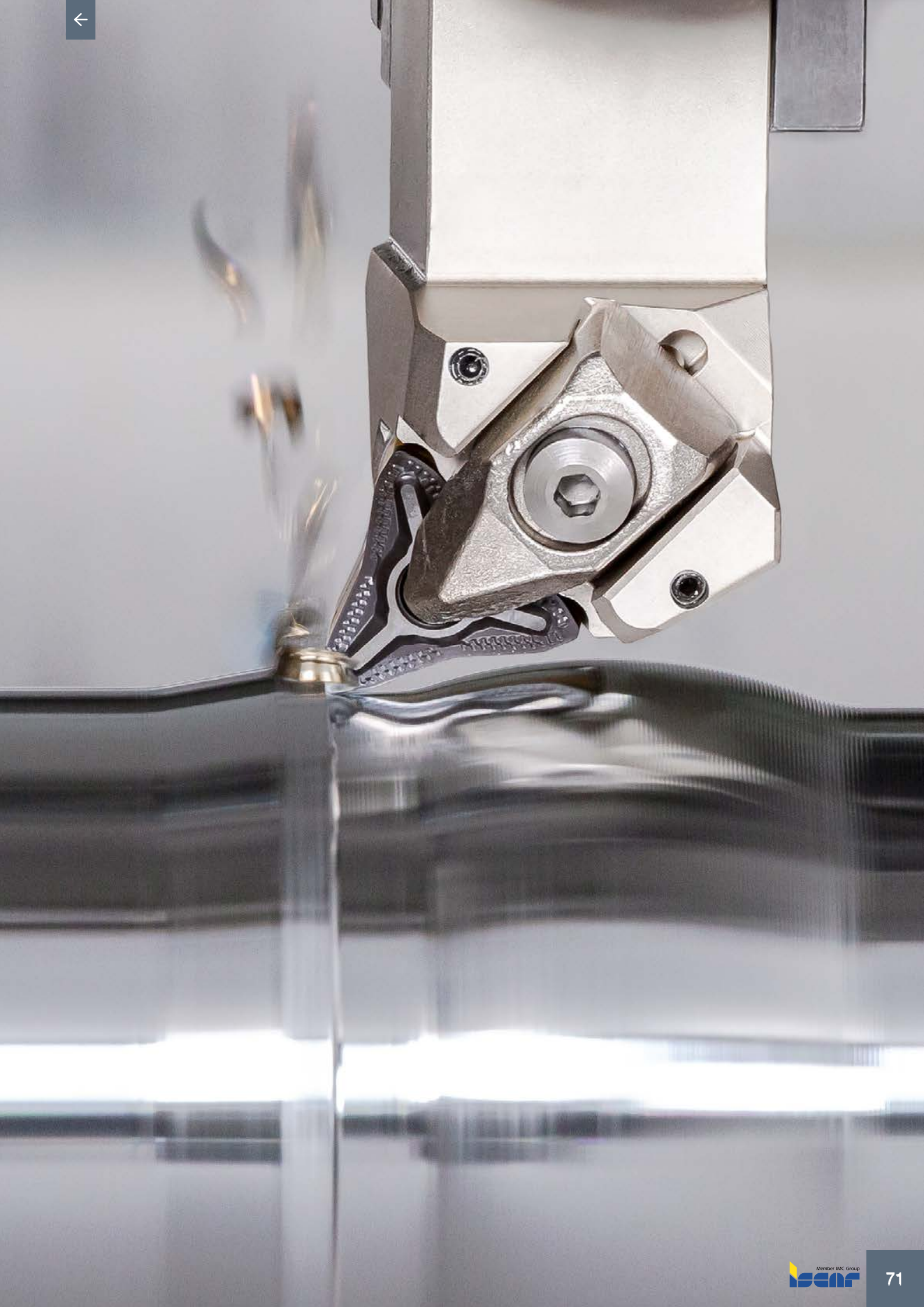
Designation	Dimensions L	D1	IC	S	RE	Tough ↔ Hard IC8250	IC8150	Recommended Forward Machining Data a_p (mm)	f (mm/rev)	Recommended Backward Machining Data a_p (mm)	f (mm/rev)
Q6-MNMG120608-M3P-SL	25.10	5.15	11.05	6.30	0.80	●	●	0.50-3.50	0.20-0.60	0.50-2.20	0.30-1.20

QUICKTURN

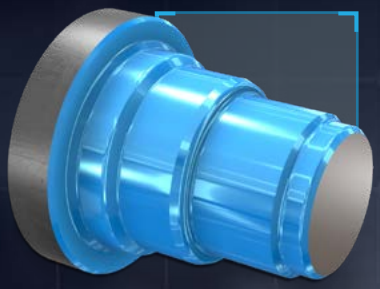
Q6-MNMG-M3M-SL
High Feed Insert with Six Reinforced Cutting Edges and Negative Flank for Roughing Applications.



Designation	Dimensions L	D1	IC	S	RE	Tough ↔ Hard IC6025	IC6015	Recommended Forward Machining Data a_p (mm)	f (mm/rev)	Recommended Backward Machining Data a_p (mm)	f (mm/rev)
Q6-MNMG120608-M3M-SL	25.10	5.15	11.05	6.30	0.80	●	●	0.50-3.50	0.20-0.60	0.50-2.20	0.30-1.00

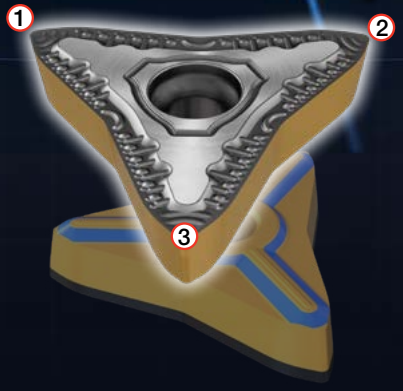


QUICK T LOCK



3 Cutting Edge Insert with SAFE-T-LOCK for Multi Directional and High Productivity Turning

New Y-Axis QUICK-T-LOCK Holders Withstand High Cutting Forces Without Vibrations.



YOU Turning Intelligently?

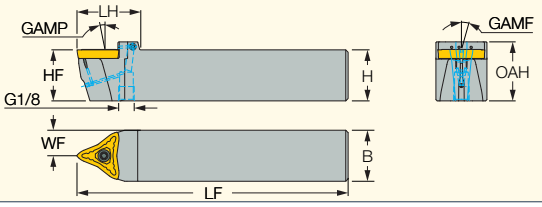
Highly Versatile Insert Used in All Turning Directions. Saves Time and Provides Productivity Gains with Back-Turning.

SCAN ME

LOGIQUICK
MACHINING INTELLIGENTLY

QUICK T LOCK

Q3-SMXCN-SL-JHP
Safety Lock Tools on which High Feed Positive Inserts are Mounted for Roughing Applications



Designation	H	OAH	HF	B	LF	LH	WF	GAMP	GAMF	MIID[1]
Q3-SMXCN 2525M-16-SL-JHP	25.0	30.00	25.0	25.0	150.00	40.0	12.50	0.0	0.0	Q3-MCMT 1606#-R3#-SL
Q3-SMXCN 3232P-16-SL-JHP	32.0	37.00	32.0	32.0	170.00	40.0	16.00	0.0	0.0	Q3-MCMT 1606#-R3#-SL

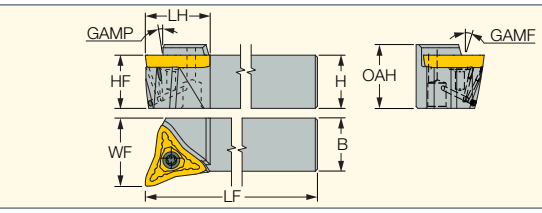
[1] Master insert identification

Spare Parts

Designation					
Q3-SMXCN-SL-JHP	SR M5-14 IP20	BLD IP20/M7	SW6-T	SR M4X4 DIN913 TL360	SR M2.5X2.5 DIN913 TL360

QUICK T LOCK

Q3-SMXCR/L-SL-JHP
Safety Lock Tools on which High Feed Positive Inserts are Mounted for Roughing Applications.



Designation	H	OAH	HF	B	LF	LH	WF	GAMP	GAMF	MIID[1]
Q3-SMXCR/L 2525M-16-SL-JHP	25.0	30.00	25.0	25.0	150.00	31.0	32.00	0.0	0.0	Q3-MCMT 1606#-R3#-SL
Q3-SMXCR/L 3232P-16-SL-JHP	32.0	37.00	32.0	32.0	170.00	31.0	39.00	0.0	0.0	Q3-MCMT 1606#-R3#-SL

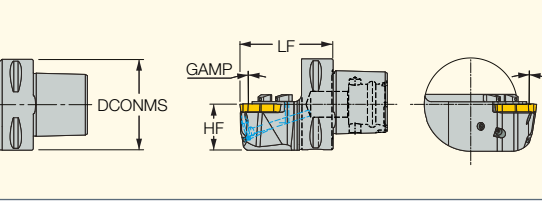
[1] Master insert identification

Spare Parts

Designation					
Q3-SMXCR/L 2525M-16-SL-JHP	SR M5-14 IP20	SW6-T	BLD IP20/M7	SR M4X4 DIN913 TL360	SR M2.5X2.5 DIN913 TL360
Q3-SMXCR/L 3232P-16-SL-JHP	SR M5-14 IP20	SW6-T	BLD IP20/M7	SR M4X4 DIN913 TL360	SR M2.5X2.5 DIN913 TL360

QUICK T LOCK

C#-Q3-SMXCR/L-SL
Safety Lock Tools with CAMFIX Shanks for High Feed Positive Inserts for Roughing Applications



Designation	LF	HF	WF	DCONMS	GAMP	GAMF	MIID[1]
C5 Q3-SMXCR/L-35060-16-SL	60.00	25.5	35.00	50.00	0.0	0.0	C# Q3-SMXCL/R-##-16-SL
C6 Q3-SMXCR/L-45065-16-SL	65.00	32.0	45.00	63.00	0.0	0.0	C# Q3-SMXCL/R-##-16-SL

• A cooling tube must be used with all coolant through HSK spindles (should be ordered separately). • For shank dimensions, see page

[1] Master insert identification

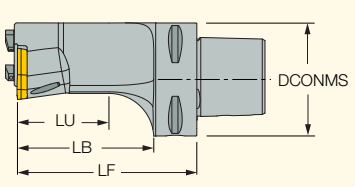
For inserts, see pages: Q3-MCMT-R3M-SL () • Q3-MCMT-R3P-SL ()

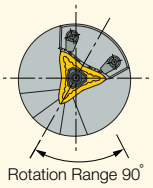
Spare Parts

Designation						
C5 Q3-SMXCR/L-35060-16-SL	CH-1.9D-JHP-A SET	SR M5X5 DIN913 TL360	SW6-T	BLD IP20/M7	SR M5-14 IP20	SR M2.5X2.5 DIN913 TL360
C6 Q3-SMXCR/L-45065-16-SL	CH-1.9D-JHP-A SET	SR M5X5 DIN913 TL360	SW6-T	BLD IP20/M7	SR M5-14 IP20	SR M2.5X2.5 DIN913 TL360

QUICK T LOCK

C#-Q3-SMXCN-SL-Y
Y-Axis Turning Tools with Safety Lock Clamping Mechanism for Positive Inserts, for Roughing and Medium Applications.





Designation	DCONMS	LU	LB	LF	CSP(1)	MIID(2)
C4 Q3-SMXCN-16-SL-H065-Y	40.00	38.50	43.50	65.00	1	Q3-MCMT1606
C5 Q3-SMXCN-16-SL-H080-Y	50.00	51.00	58.50	80.00	1	Q3-MCMT1606
C6 Q3-SMXCN-16-SL-H100-Y	63.00	51.00	76.00	100.00	1	Q3-MCMT1606
C8 Q3-SMXCN-16-SL-H100-Y	80.00	51.00	70.00	100.00	1	Q3-MCMT1606

- A cooling tube must be used with all coolant through HSK spindles (should be ordered separately).

(1) 0 - Without coolant supply, 1 - With coolant supply

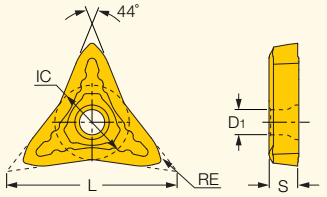
(2) Master insert identification

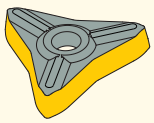
Spare Parts

Designation					
C4 Q3-SMXCN-16-SL-H065-Y	SR M5-14 IP20	SR M3X3 DIN913 TL360	BLD IP20/M7	SW6-T	CH-1.9D-JHP-A SET
C5 Q3-SMXCN-16-SL-H080-Y	SR M5-14 IP20	SR M5X5 DIN913 TL360	BLD IP20/M7	SW6-T	CH-1.9D-JHP-A SET
C6 Q3-SMXCN-16-SL-H100-Y	SR M5-14 IP20	SR M5X5 DIN913 TL360	BLD IP20/M7	SW6-T	CH-1.9D-JHP-A SET
C8 Q3-SMXCN-16-SL-H100-Y	SR M5-14 IP20	SR M5X5 DIN913 TL360	BLD IP20/M7	SW6-T	CH-1.9D-JHP-A SET

QUICK T LOCK

Q3-MCMT-R3M-SL
High Feed Inserts with 3 Reinforced Cutting Edges and a Positive Flank.

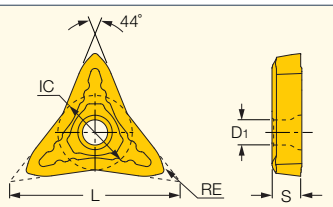


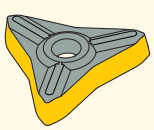


Designation	Dimensions L	IC	S	RE	D1	Tough ↔ Hard IC6025	IC6015	Recommended Forward Machining Data a_p (mm)	f (mm/rev)	Recommended Backward Machining Data a_p (mm)	f (mm/rev)
Q3-MCMT160608-R3M-SL	36.60	16.00	6.15	0.80	5.40	●	●	1.50-6.00	0.30-0.60	0.50-4.00	0.20-1.00

QUICK T LOCK

Q3-MCMT-R3P-SL
High Feed Inserts with 3 Reinforced Cutting Edges and a Positive Flank.



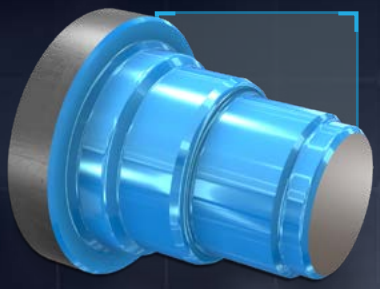


Designation	Dimensions L	IC	S	RE	D1	Tough ↔ Hard IC8250	IC8150	IC5010	IC5005	Recommended Forward Machining Data a_p (mm)	f (mm/rev)	Recommended Backward Machining Data a_p (mm)	f (mm/rev)
Q3-MCMT160608-R3P-SL	36.60	16.00	6.15	0.80	5.40	●	●	●	●	1.50-7.50	0.30-0.60	0.50-4.00	0.20-1.20

LOGIQUICK MACHINING INTELLIGENTLY

CERMTURN

Turning CAMFIX Holder with 2 Indexable Cartridges for RNGN Round and CNGN Square Ceramic Inserts



YOU Turning Intelligently?

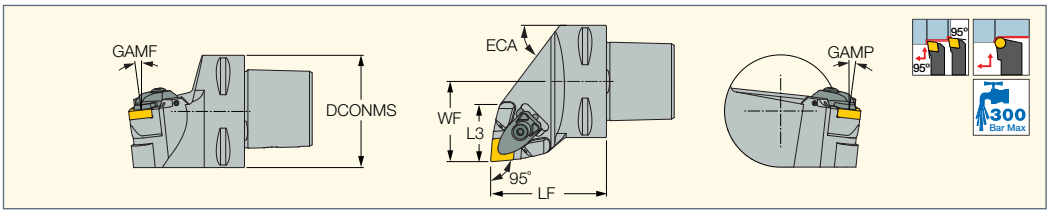
Two Types of Indexable Cartridges Fit the Same CER-M-TURN Holder.

SCAN ME

LOGIQUICK
MACHINING INTELLIGENTLY

CERMTURN

C# CXXNR/L-AD-JHP
Turning Tools with CAMFIX Polygon Shaped Shanks with Indexable Inserts Mounted on Cartridges



Designation	DCONMS	WF	LF	L3	GAMP	GAMF	ECA	DCP(1)
C5 CXXNR/L-35060-AD09/12JHP	50.00	35.00	60.00	32.00	6.0	6.0	42.0	1
C6 CXXNR/L-45065-AD09/12JHP	63.00	45.00	65.00	32.00	6.0	6.0	53.0	1
C8 CXXNR/L-55080-AD09/12JHP	80.00	55.00	80.00	32.00	6.0	6.0	57.0	1

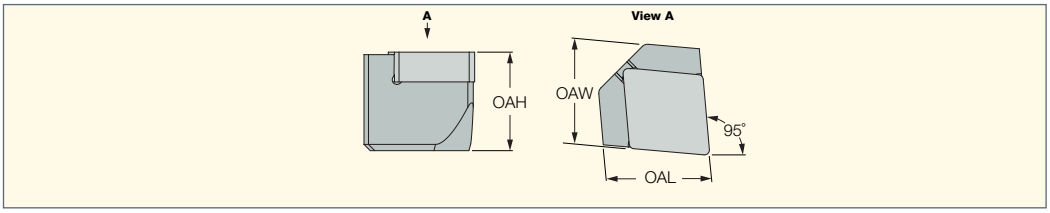
(1) 1 - Slot for data chip, 0 - Without slot for data chip

Spare Parts

Designation										
C# CXXNR/L-AD-JHP	DCL S-4F	DLS 4	DSP 4	HW 3.0	SR M5X0.5X12.5	SR M4X4 DIN913 TL360	SW6-T-SH	BLD IP20/S7	SR M5X5 DIN913 TL360	SR M2.5X2.5 DIN913 TL360

CERMTURN

AD-CCLNX
Indexable Cartridges for 80° Rhombic Ceramic Inserts



Designation	OAH	OAW	OAL	MIID(1)
AD-CCLNX-1204	15.76	16.85	16.85	CNGN 1204
AD-CCLNX-1207	15.76	16.85	16.85	CNGN 1207

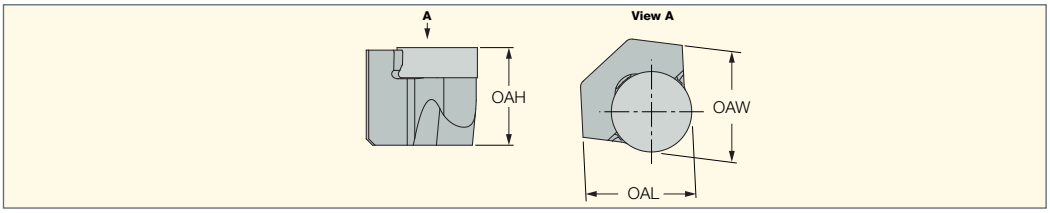
(1) Master insert identification

Spare Parts

Designation	
AD-CCLNX	SR M5X0.5X12.5

CERMTURN

AD-CRSNX
Indexable Cartridges for Round Ceramic Inserts



Designation	OAH	OAW	OAL	MIID(1)
AD-CRSNX-0903	15.42	17.21	17.21	RNGN 0903
AD-CRSNX-0904	15.42	17.21	17.21	RNGN 0904
AD-CRSNX-1204	15.42	17.36	17.36	RNGN 1204
AD-CRSNX-1207	15.44	17.36	17.36	RNGN 1207

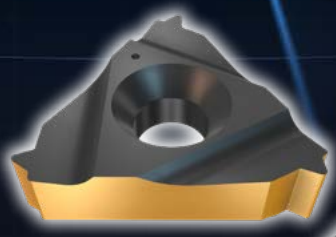
(1) Master insert identification

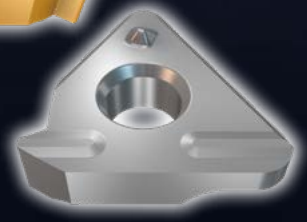
Spare Parts

Designation	
AD-CRSNX	SR M5X0.5X12.5

THREADQLOCK

Threading Inserts and Anvils Based on Unique Insert Position Provide Longer Tool Life





YOU Turning Intelligently?

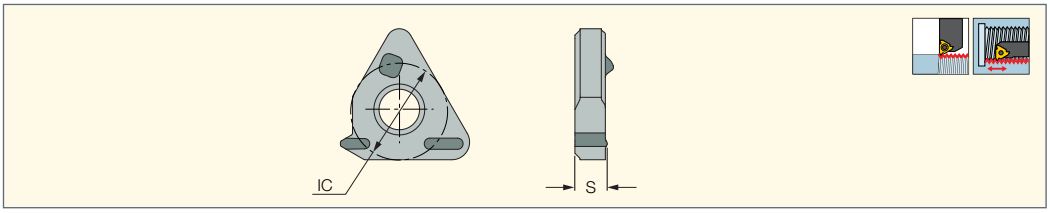
Ideal Clamping Position, and Increased Rigidity During Machining Processes.

SCAN ME

LOGIQUICK
MACHINING INTELLIGENTLY

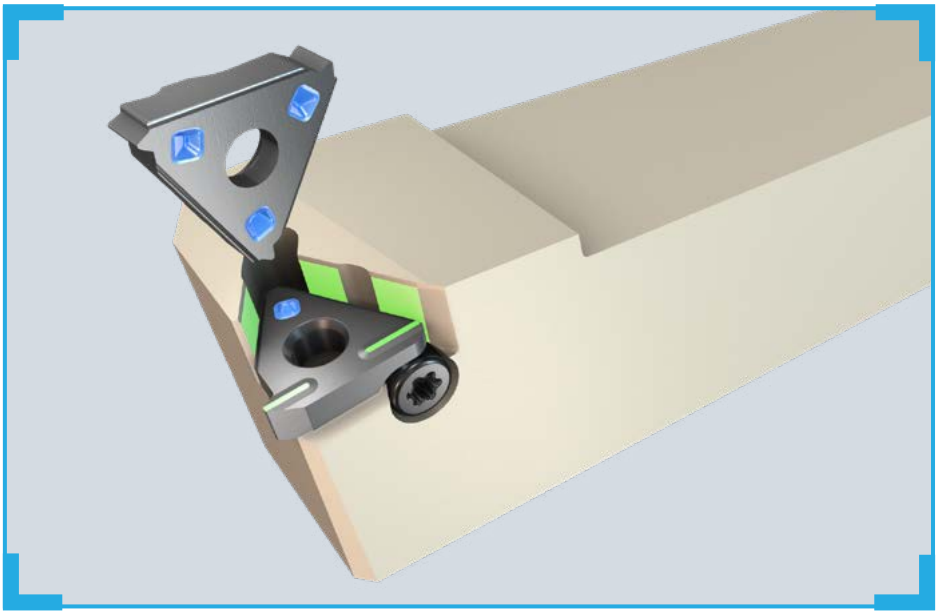
THREADQLOCK

Thread Anvils AE-XG
Quick Lock Thread Anvils
for External Right &
Internal Left Inserts



Designation	Dimensions			IC28
	IC	a°	S	
AE16-0.5-XG	9.53	-0.5	3.20	●
AE16+0.5-XG	9.53	0.5	3.20	●
AE16-1.5-XG	9.53	-1.5	3.20	●
AE16-XG	9.53	1.5	3.20	●
AE16-0-XG	9.53	1.5	3.20	●
AE16+2.5-XG	9.53	2.5	3.20	●
AE16+3.5-XG	9.53	3.5	3.20	●
AE16+4.5-XG	9.53	4.5	3.20	●

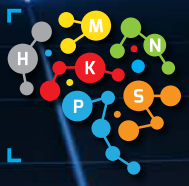
• Anvil suitable for standard ISO Type Tools and select Iscar's Inserts. Three concave shapes assure the exact placement of the insert for stable cutting



QUICKTHREAD

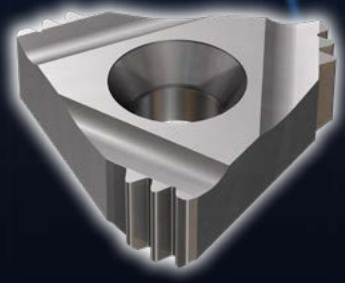
Reduce the Number of Passes When Performing Threading Applications on Lathes

Decreases Cycle Times and Number of Passes by 75%.



YOU Turning Intelligently?

- Increased Productivity
- Reduced Cycle Times
- Longer Tool Life
- Improved Surface Finish
- Fewer Number of Passes Required
- Larger Thread Relief Required to Clear Multiple Teeth Upon Exit
- Tremendous Cost Savings

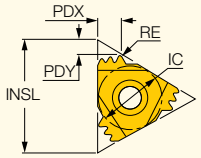


SCAN ME

LOGIQUICK
MACHINING INTELLIGENTLY

QUICKTHREAD

ER-ISO 3M-Q
External ISO Metric
(DIN13 12-1986 class: 6g)
Laydown Threading Inserts
for General Applications



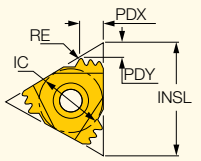
Designation	Dimensions							IC908
	IC	TP(1)	RE	INSL	PDY	PDX	CICT(2)	
16ER 0.75 ISO 3M-Q	9.53	0.750	0.12	16.00	1.4	1.9	3	●
16ER 1.00 ISO 3M-Q	9.53	1.000	0.13	16.00	1.7	2.5	3	●
22ER 1.50 ISO 3M-Q	12.70	1.500	0.23	22.00	2.4	3.7	3	●
22ER 2.00 ISO 3M-Q	12.70	2.000	0.26	22.00	2.9	4.8	3	●

- For threading between walls use GRIP-type inserts TIP-ISO class: 6g

(1) Thread pitch
(2) Number of teeth per corner

QUICKTHREAD

IR-ISO 3M-Q
Internal ISO Metric
(DIN13 12-1986 class 6H)
Laydown Threading Inserts
for General Applications



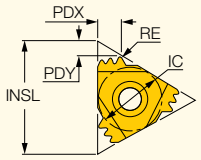
Designation	Dimensions							IC908
	IC	TP(1)	RE	INSL	PDY	PDX	CICT(2)	
16IR 1.00 ISO 3M-Q	9.53	1.000	0.07	16.00	1.5	2.5	3	●
22IR 1.50 ISO 3M-Q	12.70	1.500	0.11	22.00	2.3	3.7	3	●
22IR 2.00 ISO 3M-Q	12.70	2.000	0.13	22.00	3.1	5.0	3	●

- Tolerance: Class 6H.

(1) Thread pitch
(2) Number of teeth per corner

QUICKTHREAD

ER-NPT 3M-Q
External NPT
(National Pipe Threads)
Full Profile Laydown
Threading Inserts for Steam,
Gas and Water Pipes



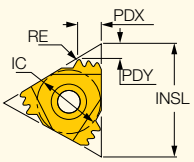
Designation	Dimensions							IC908
	IC	TPI(1)	RE	INSL	PDY	PDX	CICT(2)	
27ER 11.5 NPT 3M-Q	15.88	11.5	0.09	27.00	3.3	5.5	3	●

- For threading between walls use GRIP-type insert TIP-NPT. • National Pipe Threads ANSI/ASME B1.20.1-1983

(1) Threads per inch
(2) Number of teeth per corner

QUICKTHREAD

IR-NPT 3M-Q
Internal NPT
(National Pipe Threads)
Full Profile Laydown
Threading Inserts for Steam,
Gas and Water Pipes



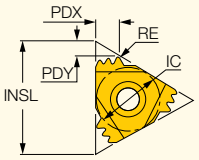
Designation	Dimensions							IC908
	IC	TPI[1]	RE	INSL	PDY	PDX	CICT[2]	
27IR 11.5 NPT 3M-Q	15.88	11.5	0.09	27.00	3.3	5.5	3	●

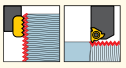
- National Pipe Threads ANSI/ASME B1.20.1-1983.

[1] Threads per inch
[2] Number of teeth per corner

QUICKTHREAD

ER-W 3M-Q
External Whitworth
(BSW, BSF, BSP) B.S.84-1956
DIN 259 Medium Class Full
Profile Laydown Threading Inserts





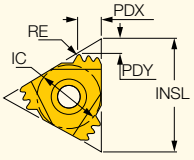
Designation	Dimensions							IC908
	IC	TPI[1]	RE	INSL	PDY	PDX	CICT[2]	
22ER 14 W 3M-Q	12.70	14.0	0.23	22.00	2.6	4.3	3	●

- For threading between walls use GRIP-type insert TIP-BSW
- Tolerance: medium class

[1] Threads per inch
[2] Number of teeth per corner

QUICKTHREAD

IR-UN 3M-Q
Internal American UN Full Profile
(UN, UNC, UNF, UNEF)
Laydown Threading Inserts
for General Applications



Designation	Dimensions							IC908
	IC	TPI[1]	RE	INSL	PDY	PDX	CICT[2]	
22IR 12 UN 3M-Q	12.70	12.0	0.09	22.00	2.5	4.0	3	●
22IR 16 UN 3M-Q	12.70	16.0	0.15	22.00	3.1	5.2	3	●

- Tolerance: class 2B,ANSI B1, 3M-1986.

[1] Threads per inch
[2] Number of teeth per corner

LOGIQUICK MACHINING INTELLIGENTLY

YOU GROOVING INTELLIGENTLY?

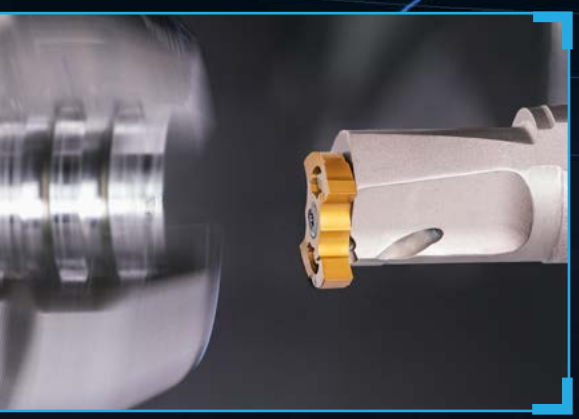
LOGIQUICK
MACHINING INTELLIGENTLY

H M K N P S

Member IMC Group

QUICK I GROOVE

Innovative 4 Cutting Edge Insert for Internal Grooving and Turning



YOU Grooving Intelligently?

Unique Double-Sided Insert can be Mounted on Right and Left Hand Tools. Rigid Clamping Provides High Repeatability and Accuracy. Internal Pinpointed Coolant Directed to the Cutting Edge.

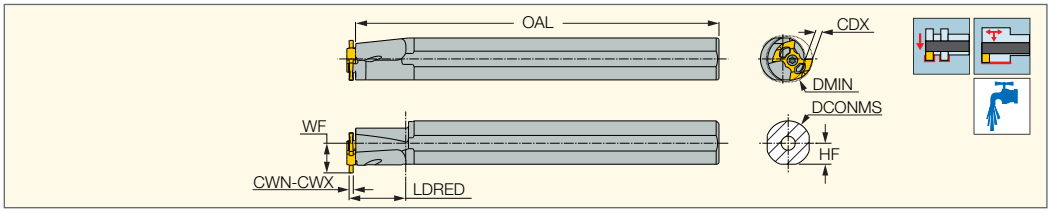
SCAN ME

LOGIQUICK
MACHINING INTELLIGENTLY

QUICK GROOVE

GQHINR/L

Internal Grooving and Turning Bars on Which Inserts with 4 Cutting Edges Are Mounted.



Designation	CWN[1]	CWX[2]	DCONMS	DMIN	CDX[3]	OAL	LDRED	WF	HF
GQHINR/L 16C-16.5-20	1.00	3.00	16.00	16.50	2.50	130.00	20.0	10.60	7.5
GQHINR/L 16C-16.5-40	1.00	3.00	16.00	16.50	2.50	150.00	40.0	10.60	7.5
GQHINR/L 20C-24	1.00	3.00	20.00	24.00	2.50	160.00	60.0	13.00	9.0

[1] Minimum cutting width
[2] Maximum cutting width
[3] Cutting depth maximum

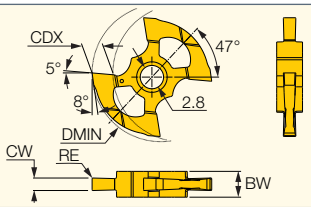
Spare Parts

Designation			
GQHINR/L 16C-16.5-20	SR 14-560	T-8/5	PL 16
GQHINR/L 16C-16.5-40	SR 14-560	T-8/5	PL 16
GQHINR/L 20C-24	SR 14-560	T-8/5	PL 20

QUICK GROOVE

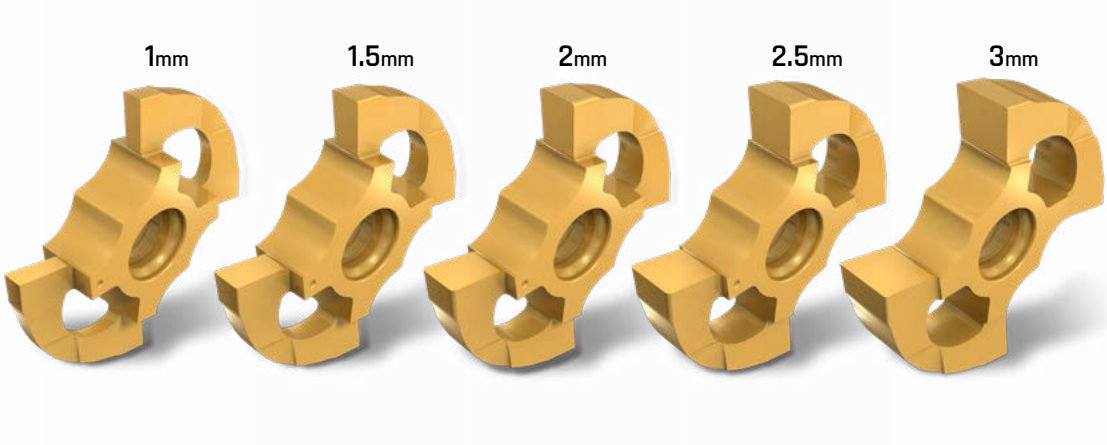
GQIN

4 Cutting Edges Precision Grounded Inserts for Internal Grooving and Recessing Operations



Designation	Dimensions CW	RE	DMIN	CDX	BW	IC808G
GQIN 1.00-0.05	1.00	0.05	16.50	2.50	3.10	●
GQIN 1.50-0.10	1.50	0.10	16.50	2.50	3.10	●
GQIN 2.00-0.20	2.00	0.20	16.50	2.50	3.10	●
GQIN 2.50-0.20	2.50	0.20	16.50	2.50	3.10	●
GQIN 3.00-0.20	3.00	0.20	16.50	2.50	3.10	●

- Cutting edge with high positive rake, suitable for thin walled parts and for small diameters
- Suitable for Machining soft materials and bearing steel at low to medium feeds



PENTACUT

Wide Forming Inserts for Special Profiles Provides High Repeatability, Stability and Accuracy

Pinpointed Coolant Directed to the Cutting Zone. Endless Options Provide Diverse Insert Geometries that Fit Unique Toolholders.

YOU Grooving Intelligently?

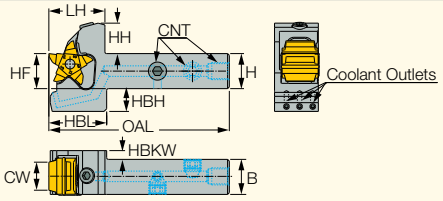
Smart Clamping Mechanism Places the Insert in an Accurate Position for High Repeatably, Stability and Accuracy.

SCAN ME

LOGIQUICK
MACHINING INTELLIGENTLY

PENTACUT-27

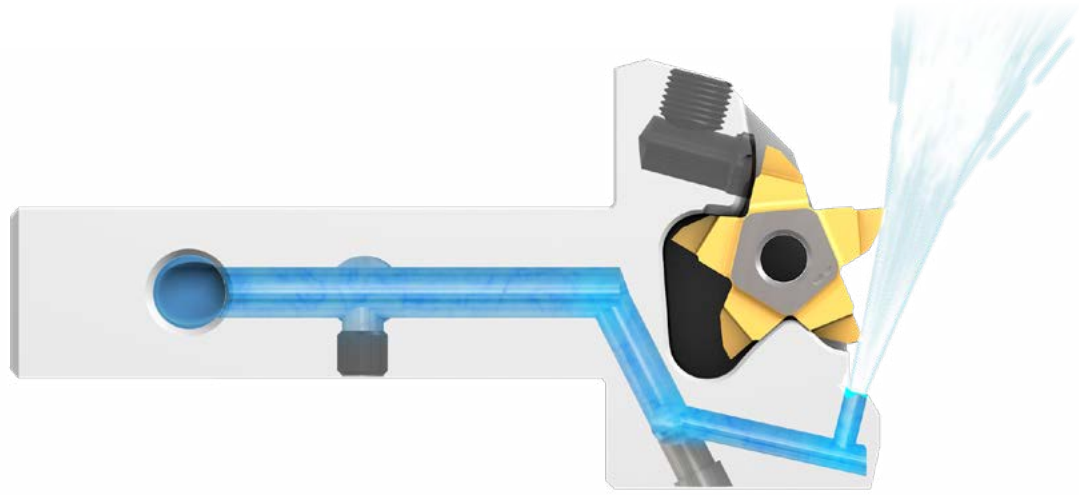
PCHR/L-27-JHP-MC
Tools Carrying Pentagonal Wide Inserts for Specially Tailored Profiles



Designation	CW	H	B	HF	LH	HBL	HH	HBH	HBKW	OAL	CNT
PCHR/L 20-27-10-JHP-MC	10.00	20.0	20.0	20.0	32.0	33.0	17.4	13.0	5.00	103.00	G1/8
PCHR/L 25-27-10-JHP-MC	10.00	25.0	25.0	25.0	32.0	33.0	17.4	8.0	-	118.00	G1/8
PCHR/L 20-27-15-JHP-MC	15.00	20.0	20.0	20.0	32.0	33.0	17.4	13.0	5.00	103.00	G1/8
PCHR/L 25-27-15-JHP-MC	15.00	25.0	25.0	25.0	32.0	33.0	17.4	8.0	-	118.00	G1/8
PCHR/L 20-27-20-JHP-MC	20.00	20.0	20.0	20.0	32.0	33.0	17.4	13.0	5.00	103.00	G1/8
PCHR/L 25-27-20-JHP-MC	20.00	25.0	25.0	25.0	32.0	33.0	17.4	8.0	-	118.00	G1/8

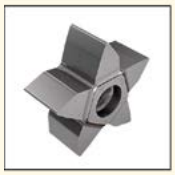
Spare Parts

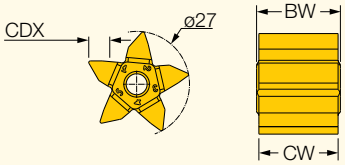
Designation							
PCHR/L 20-27-10-JHP-MC	SR M8-40530	HW 3.0	SR M6X6 DIN913 TL360		HW 4.0	PLG G1/8 TL360	HW 5.0
PCHR/L 25-27-10-JHP-MC	SR M8-40530	HW 3.0	SR M6X6 DIN913 TL360		HW 4.0	PLG G1/8 TL360	HW 5.0
PCHR/L 20-27-15-JHP-MC	SR M8-40530	HW 3.0	SR M6X6 DIN913 TL360		HW 4.0	PLG G1/8 TL360	HW 5.0
PCHR/L 25-27-15-JHP-MC	SR M8-40530	HW 3.0	SR M6X6 DIN913 TL360		HW 4.0	PLG G1/8 TL360	HW 5.0
PCHR/L 20-27-20-JHP-MC	SR M8-40530	HW 3.0	SR M6X6 DIN913 TL360	PUSH ROD - 40529	HW 4.0	PLG G1/8 TL360	HW 5.0
PCHR/L 25-27-20-JHP-MC	SR M8-40530	HW 3.0	SR M6X6 DIN913 TL360	PUSH ROD - 40529	HW 4.0	PLG G1/8 TL360	HW 5.0



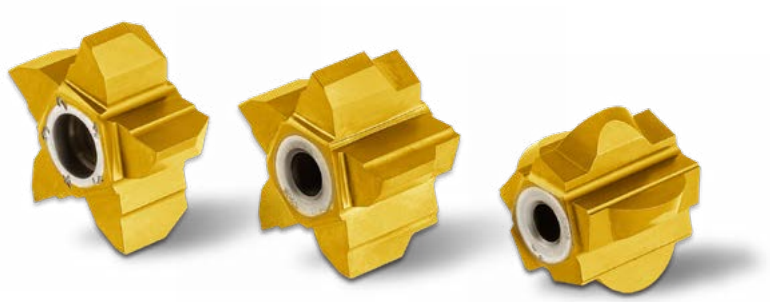
PENTACUT-27

PENTAS 27 blanks
Blank Inserts with 5 Wide Cutting Edges for the Production of Special Profile Contours





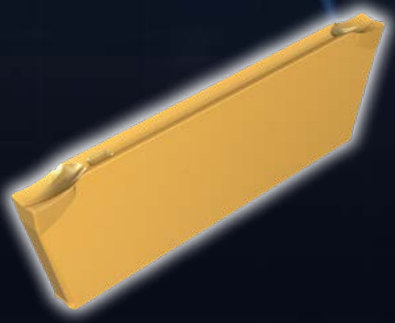
Designation	Dimensions			IC08
	CW	CDX	BW	
PENTAS 27-10FT	10.00	4.00	11.80	●
PENTAS 27-15FT	15.00	4.00	16.80	●
PENTAS 27-20FT	20.00	4.00	21.80	●



DO-GRIP

New DO-GRIP Narrow Cut Double Sided insert for Swiss-Type Machines

Insert Widths 0.8mm up to 1.2mm.



YOU Grooving Intelligently?

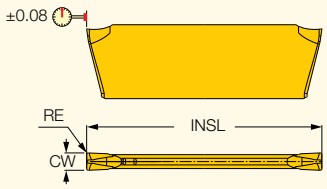
Economical Narrow Double-Sided Insert Provides Maximum Material Savings. Provides Stable Cut, Improved Surface Finish & Part Straightness with Excellent Chip Control.

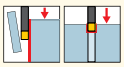
SCAN ME

LOGIQUICK
MACHINING INTELLIGENTLY

DO-GRIP

DGN-J/JS-D
Double-Sided Inserts for Parting and Grooving Soft Materials, Parting Tubes, Small Diameters and Thin-Walled Parts



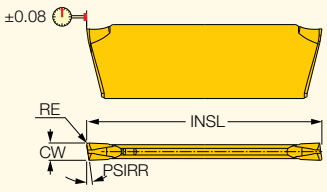


Designation	Dimensions CW	RE	CWTOL(1)	RETOL(2)	CUTDIA	INSL	Tough ↔ Hard IC1030	IC1010	IC1508	Recommended Machining Data f groove (mm/rev)
DGN 0801J-D12	0.80	0.10	0.030	0.020	12.0	11.10	●	●		0.02-0.06
DGN 1001J-D22	1.00	0.10	0.030	0.020	22.0	13.50	●	●		0.03-0.08
DGN 1000JS-D22	1.00	0.00	0.030	0.020	22.0	13.50		●	●	0.03-0.08
DGN 1201J-D22	1.20	0.10	0.030	0.020	22.0	13.50	●	●		0.03-0.10

(1) Cutting width tolerance (+/-)
(2) Corner radius tolerance (+/-)

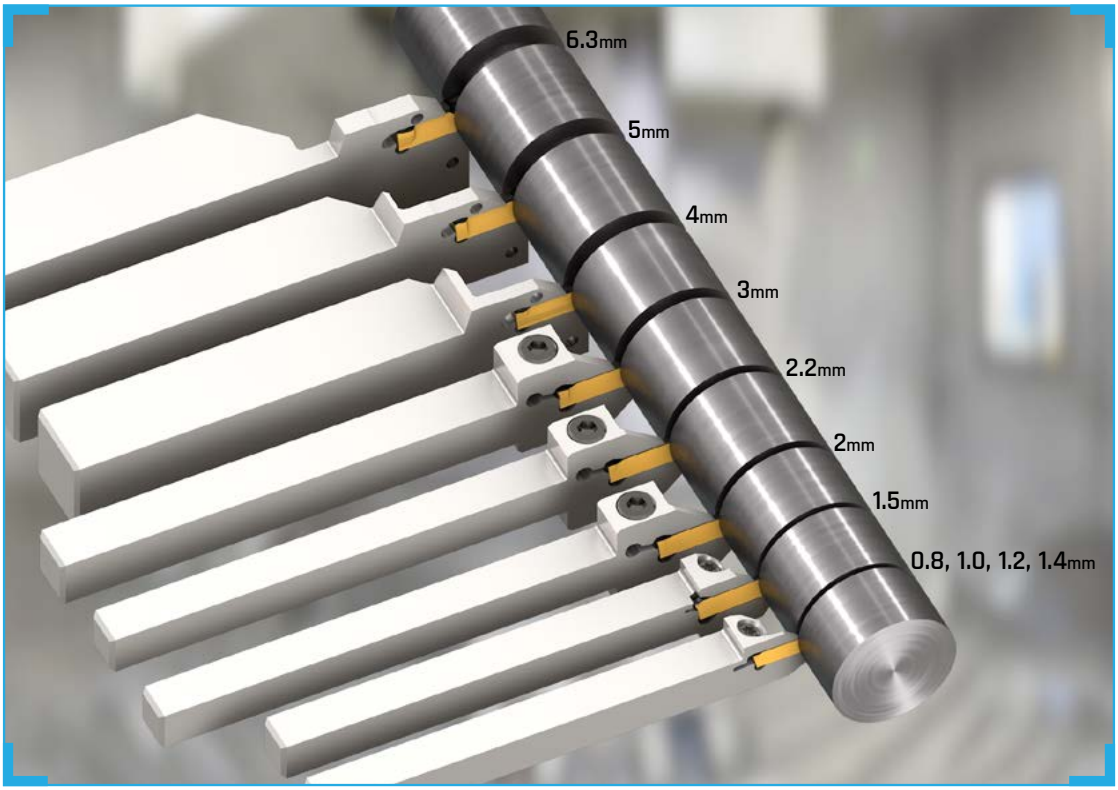
DO-GRIP

DGR/L-J/JS-D
Double-Sided Inserts for Parting Soft Materials, Parting Tubes, Small Diameters and Thin-Walled Parts



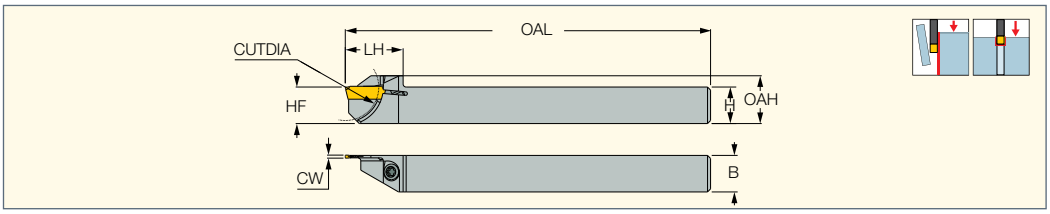
Designation	Dimensions CW	RE	CUTDIA	INSL	PSIRL(1)	PSIRR(2)	Tough ↔ Hard IC1030	IC1010	IC1508	Recommended Machining Data f groove (mm/rev)
DGL 0801J-6D-D12	0.80	0.10	12.0	11.10	6.0	-	●	●		0.02-0.05
DGR 0801J-6D-D12	0.80	0.10	12.0	11.10	-	6.0	●	●		0.02-0.05
DGL 1001J-8D-D22	1.00	0.10	22.0	13.50	8.0	-	●	●		0.02-0.06
DGR 1001J-8D-D22	1.00	0.10	22.0	13.50	-	8.0	●	●		0.02-0.06
DGL 1000JS-15D-D22	1.00	0.00	22.0	13.50	15.0	-		●	●	0.02-0.06
DGR 1000JS-15D-D22	1.00	0.00	22.0	13.50	-	15.0		●	●	0.02-0.06
DGL 1201J-8D-D22	1.20	0.10	22.0	13.50	8.0	-	●	●		0.03-0.08
DGR 1201J-8D-D22	1.20	0.10	22.0	13.50	-	8.0	●	●		0.03-0.08

(1) Lead angle type for minimal burr size (left)
(2) Lead angle type for minimal burr size (right)



DO-GRIP

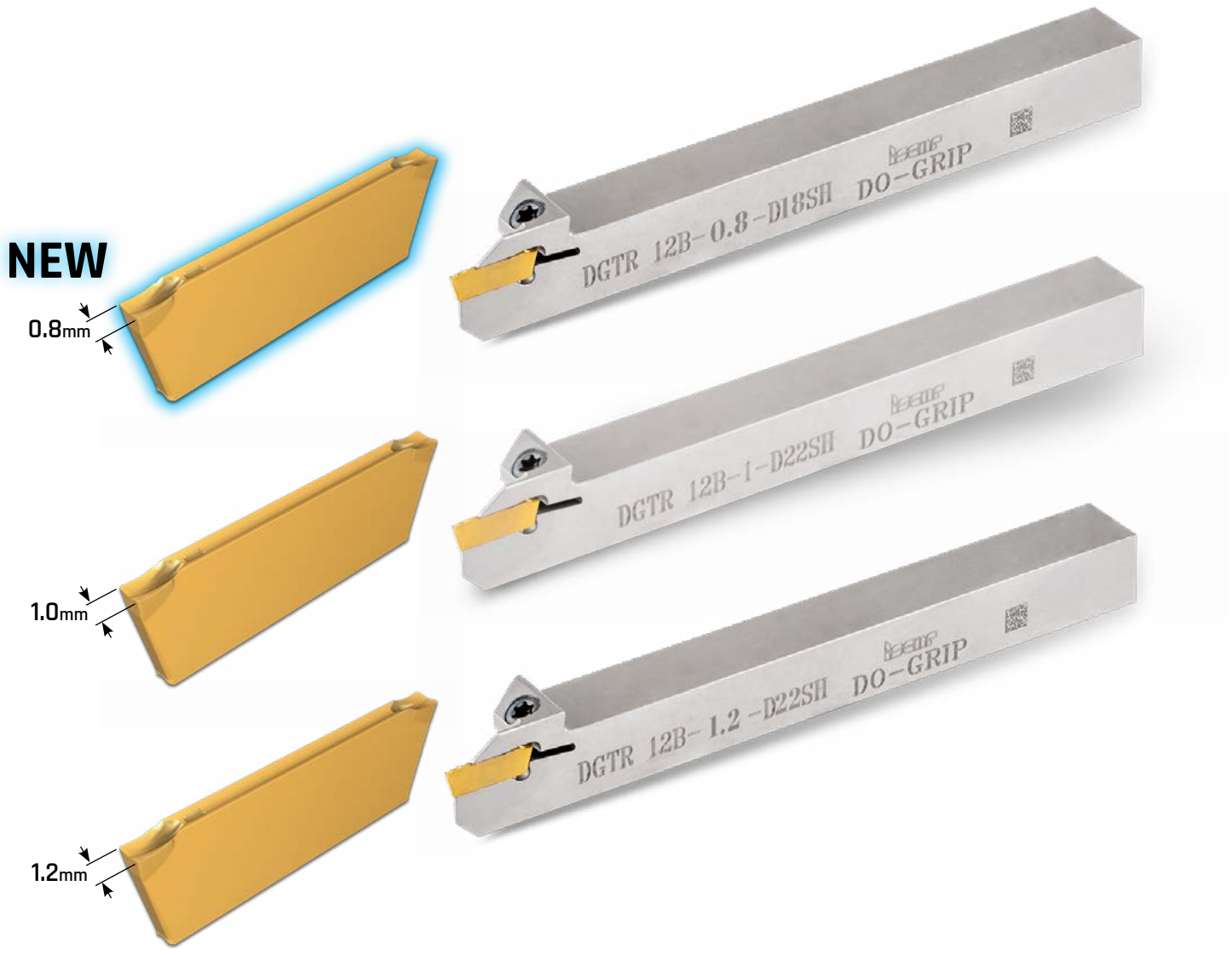
DGTR/L-B-D-SH (NARROW CUT)
Parting and Grooving Short Head Tools for CNC and Swiss Automatics



Designation	CW	H	B	HF	HBL	LH	CUTDIA	OAH	OAL
DGTR/L 0810B-0.8-D12SH	0.80	8.0	10.0	8.0	16.1	15.6	12.0	13.70	120.00
DGTR/L 10B-0.8-D12SH	0.80	10.0	10.0	10.0	-	15.6	12.0	15.70	120.00
DGTR/L 12B-0.8-D12SH	0.80	12.0	12.0	12.0	-	15.6	12.0	15.70	120.00
DGTR/L 16B-0.8-D12SH	0.80	16.0	16.0	16.0	-	15.6	12.0	15.70	120.00
DGTR/L 0810B-1.0-D22SH	1.00	8.0	10.0	8.0	20.5	20.0	22.0	15.00	120.00
DGTR/L 10B-1.0-D22SH	1.00	10.0	10.0	10.0	-	20.0	22.0	15.70	120.00
DGTR/L 12B-1.0-D22SH	1.00	12.0	12.0	12.0	-	20.0	22.0	15.70	120.00
DGTR/L 16B-1.0-D22SH	1.00	16.0	16.0	16.0	-	20.0	22.0	15.70	120.00
DGTR/L 0810B-1.2-D22SH	1.20	8.0	10.0	8.0	20.5	20.0	22.0	15.00	120.00
DGTR/L 10B-1.2-D22SH	1.20	10.0	10.0	10.0	-	20.0	22.0	15.70	120.00
DGTR/L 12B-1.2-D22SH	1.20	12.0	12.0	12.0	-	20.0	22.0	15.70	120.00
DGTR/L 16B-1.2-D22SH	1.20	16.0	16.0	16.0	-	20.0	22.0	15.70	120.00

Spare Parts

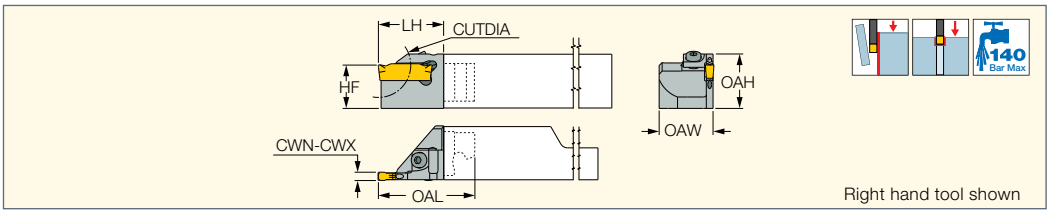
Designation		
DGTR/L-B-D-SH (NARROW CUT)	SR 16-236 P	T-15/5



LOGIQUICK MACHINING INTELLIGENTLY

NEOSWISS

NQCH-DGTR/L-D22-SH-JHP
Screw Lock JETCUT Modular Heads Carrying DO-GRIP Double-Edged Parting Inserts for Swiss-Type Machines



Designation	CWN(2)	CWX(3)	HF	OAW	OAH	LH	OAL	CUTDIA	MIID(4)
NQCH12-DGTR/L-1D22SH-JHP	1.00	1.00	12.1	20.00	16.20	20.0	28.80	22.0	DGN 1
NQCH12R-DGTL-1D22SH-JHP (1)	1.00	1.00	12.1	20.00	16.20	20.0	28.80	22.0	DGN 1
NQCH16-DGTR/L-1D22SH-JHP	1.00	1.00	16.1	20.00	20.20	20.0	28.80	22.0	DGN 1
NQCH16R-DGTL-1D22SH-JHP (1)	1.00	1.00	16.1	20.00	20.20	20.0	28.80	22.0	DGN 1

- Use only RH Shank with RH Head and LH Shank with LH Head exept NQCH12R/16R... heads.

(1) The head is dedicated for the right hand machines and to be mounted on the right hand holder only.
(2) Minimum cutting width
(3) Maximum cutting width
(4) Master insert identification

Spare Parts

Designation		
NQCH12-DGTR/L-1D22SH-JHP	SR M3X8 DIN912	HW 2.5
NQCH12R-DGTL-1D22SH-JHP	SR M3X8 DIN912	HW 2.5
NQCH16-DGTR/L-1D22SH-JHP	SR M3X8 DIN912	HW 2.5
NQCH16R-DGTL-1D22SH-JHP	SR M3X8 DIN912	HW 2.5

Shank's left-hand orientation for left-hand tool machines example: NQCH1212/1616

Left hand head example: NQCH12/16-DGTL...

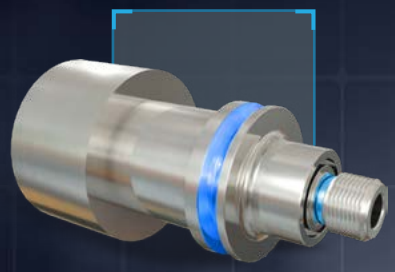
Left hand head for Shank's right-hand orientation example: NQCH12R/16R-DGTL...
* Available for Grooving & Parting

Shank's right-hand orientation for right-hand tool machines example: NQCH1212/1616

Right hand head example: NQCH12/16-DGTR...

QUICK2CUT MINI

High Precision Tangential Insert for Grooving and Parting Suitable for Swiss Type Machines



Pinpointed Coolant Improves Chip Evacuation, Increased Insert Tool Life and High Surface Finish.

YOU Grooving Intelligently?

Stable Mounting and Safe Machining with Excellent Repeatability.

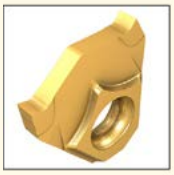
SCAN ME

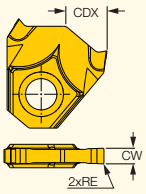
LOGIQUICK
MACHINING INTELLIGENTLY

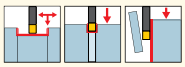
QUICK2CUT MINI

TGV N

Double Sided Tangential Insert for SWISS Type Machines, Intended for Grooving, Parting and Recessing Small Parts







Designation	Dimensions CW	RE	CWTOL(1)	RETOL(2)	CDX	IC1010	Recommended Machining Data f groove (mm/rev)
TGV N033P-000	0.33	0.00	0.020	0.030	2.00	●	0.02-0.04
TGV N050P-000	0.50	0.00	0.020	0.030	2.50	●	0.03-0.05
TGV N075P-005	0.75	0.05	0.020	0.030	3.00	●	0.03-0.06
TGV N1.00P-005	1.00	0.05	0.020	0.030	4.00	●	0.03-0.08
TGV N2.00P-0.1	2.00	0.10	0.020	0.030	6.00	●	0.03-0.10

- Cutting edge with high positive rake, suitable for parting small and miniature parts

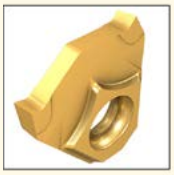
(1) Cutting width tolerance (+/-)

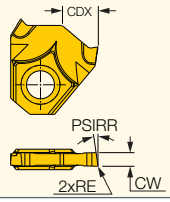
(2) Corner radius tolerance (+/-)

QUICK2CUT MINI

TGV R/L

Double Sided Tangential Insert with Lead Angle Cutting Edge to minimize Burr size, Intended for Parting Small Parts



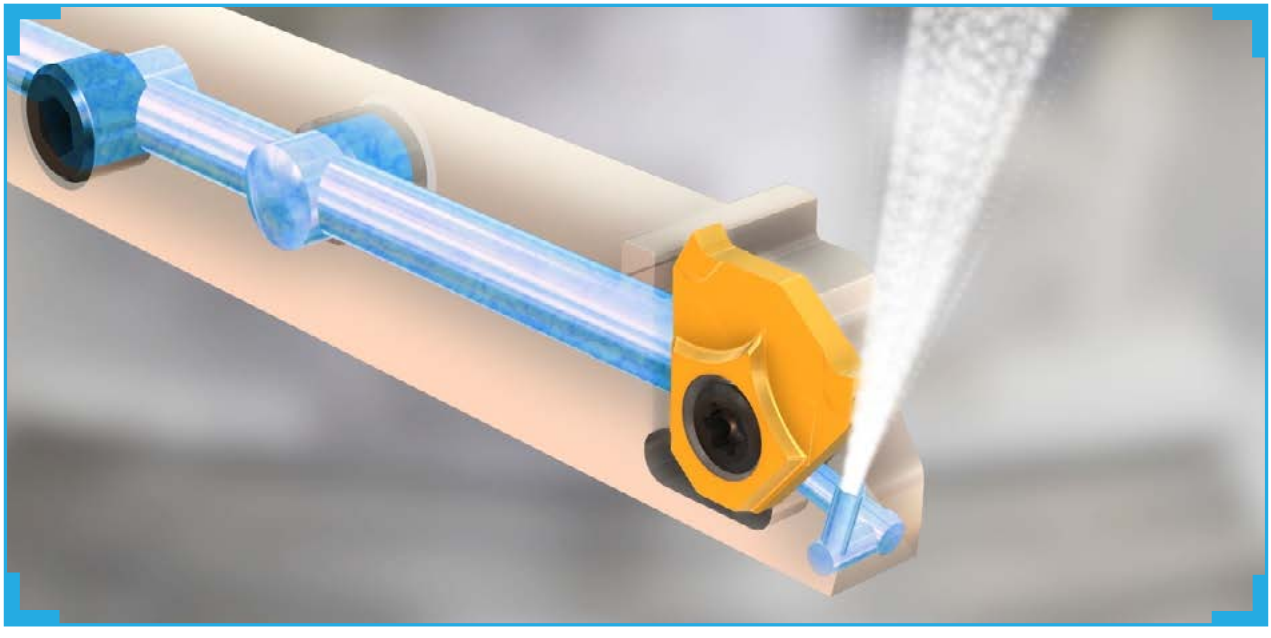


Designation	Dimensions CW	PSIRL(1)	PSIRR(2)	RE	CDX	IC1010	Recommended Machining Data f groove (mm/rev)
TGV L1.00P-0.05-8D	1.00	8.0	-	0.05	4.00	●	0.03-0.06
TGV R1.00P-0.05-8D	1.00	-	8.0	0.05	4.00	●	0.03-0.06
TGV L2.00P-0.05-8D	2.00	8.0	-	0.05	6.00	●	0.03-0.08
TGV R2.00P-0.05-8D	2.00	-	8.0	0.05	6.00	●	0.03-0.08

- Cutting edge with high positive rake, suitable for parting small and miniature parts

(1) Lead angle type for minimal burr size (left)

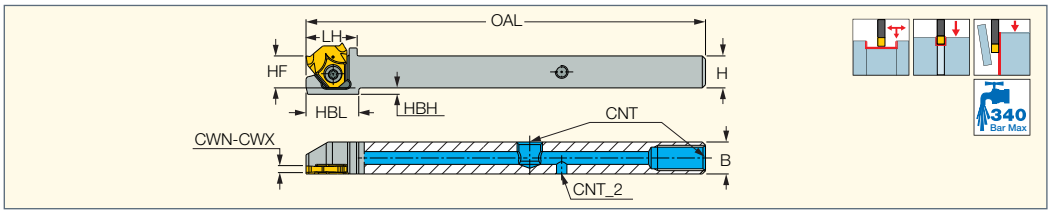
(2) Lead angle type for minimal burr size (right)



QUICK2CUT MINI

TGVR/L-JHP

Grooving, Parting and Recessing Tools Carrying TGV Inserts with Channels for High-Pressure Coolant

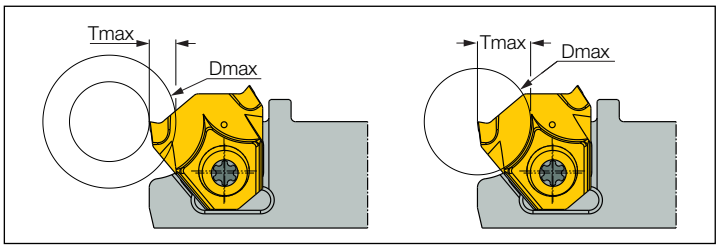


Designation	H	HF	B	CWN[1]	CWX[2]	OAL	LH	HBL	HBH	CNT	CNT_2	MIID[3]
TGVR/L 1010-JHP	10.0	10.0	10.0	0.33	2.00	125.00	16.0	16.5	2.0	UNF 5/16-24	M4	TGV N/R/L 0.33-3.0
TGVR/L 1212-JHP	12.0	12.0	12.0	0.33	2.00	125.00	16.0	-	-	UNF 5/16-24	M4	TGV N/R/L 0.33-3.0
TGVR/L 1616-JHP	16.0	16.0	16.0	0.33	2.00	125.00	16.0	-	-	UNF 5/16-24	M4	TGV N/R/L 0.33-3.0

[1] Minimum cutting width
[2] Maximum cutting width
[3] Master insert identification

Depth Capacity

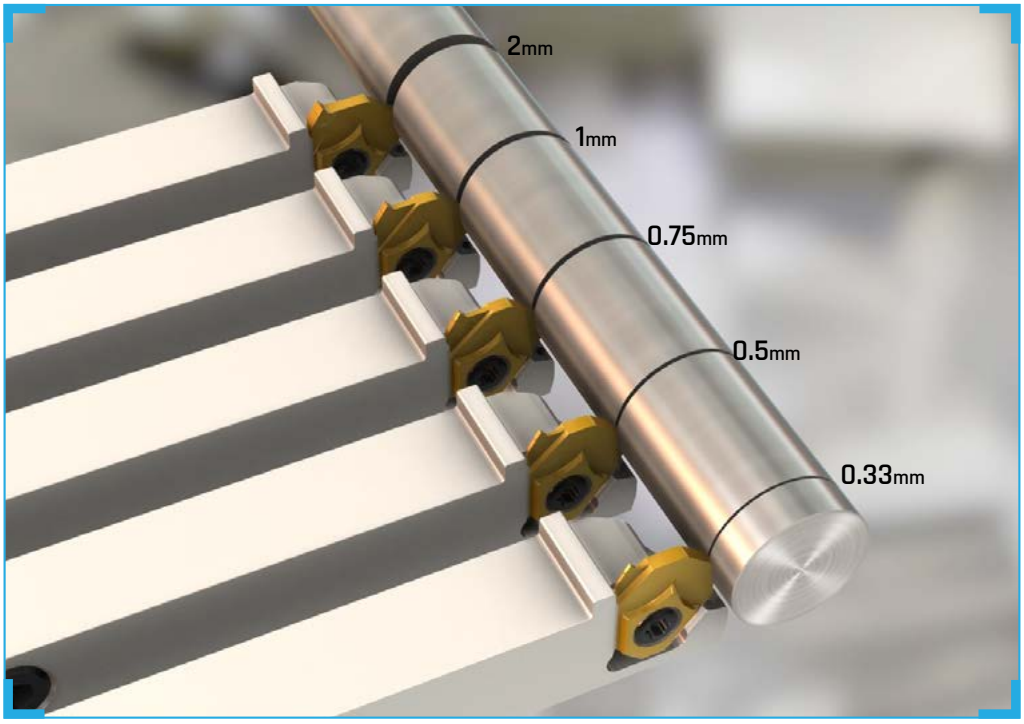
Determining depth of cut (Tmax) as function of workpiece diameter (Dmax.)



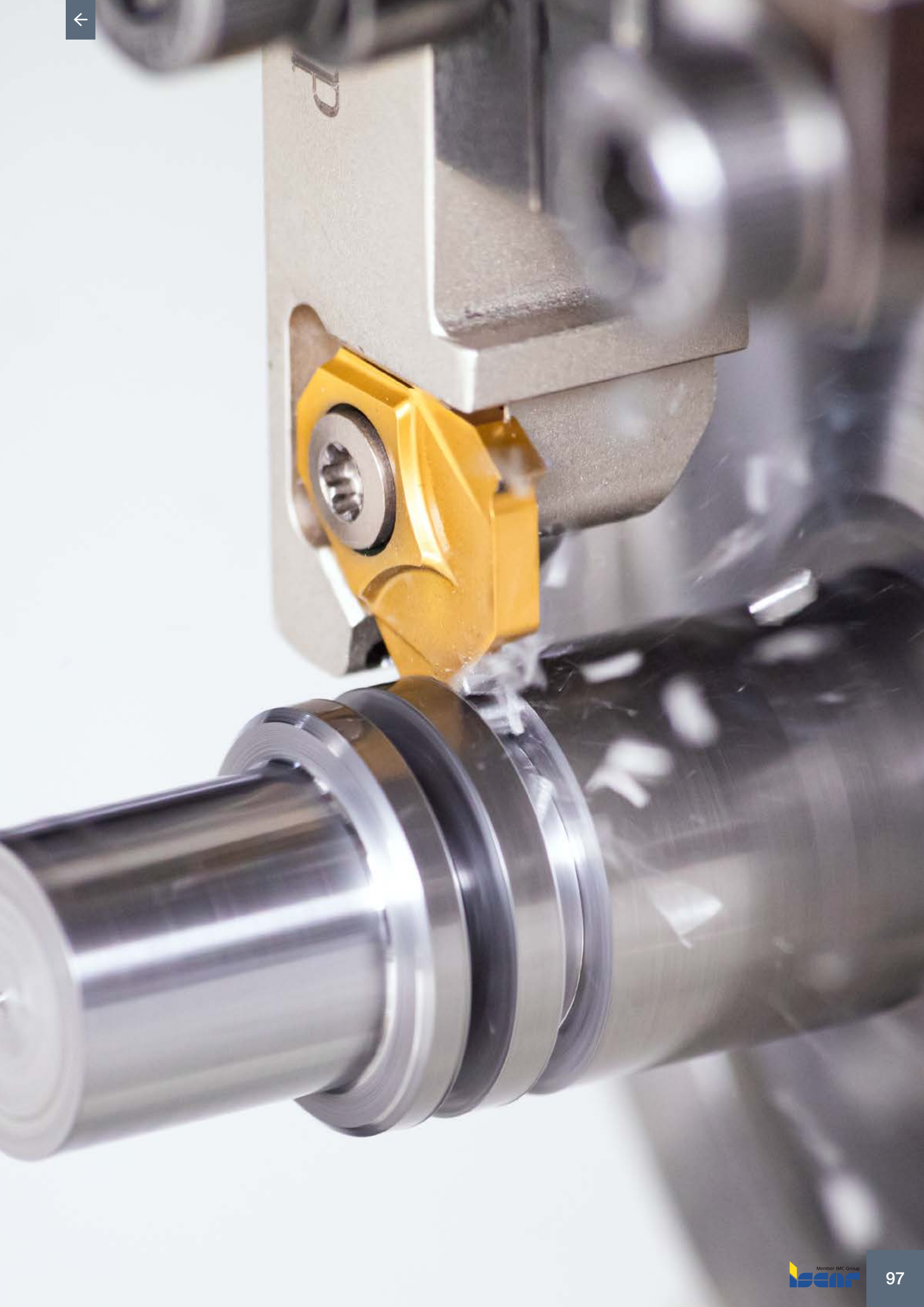
W (insert)	Tmax	Dmax	T≤0.5	T≤1.0	T≤1.5	T≤2.0	T≤2.5	T≤3.0	T≤3.5	T≤4.0	T≤4.5	T≤5.0	T≤5.5	T≤6.0
0.33	2.0	24.0	72	45	31	24	-	-	-	-	-	-	-	-
0.50	2.5	20.0					-	-	-	-	-	-	-	-
0.75	3.0	18.0					20	18	-	-	-	-	-	-
1.00	4.0	15.0							16	15	-	-	-	-
2.00	6.0	12.0									14	13	13	12

Spare Parts

Designation					
TGVR/L-JHP	SR M3.5X0.6-L8.5 IP10	IP-10/5	SR 5/16UNF TL360	SR M4X4 DIN913 TL360	HW 5/32"

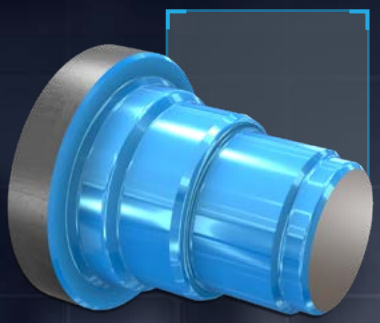


LOGIQUICK MACHINING INTELLIGENTLY



CUTVGRIP

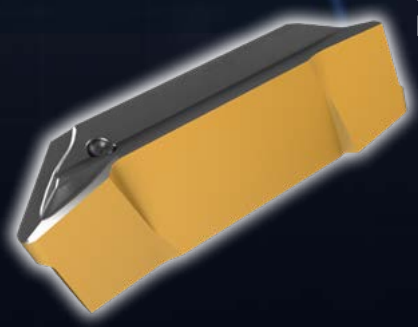
Multifunctional Narrow Insert for External Turning, Profiling and Undercutting



V-Type Insert Geometry for Longitudinal Shallow Turning, Radial Turning, and 45 Degrees Undercutting.

YOU Grooving Intelligently?

Superior Insert Clamping and High Precision Indexing for Exact Insert Location and Machining Repeatability.



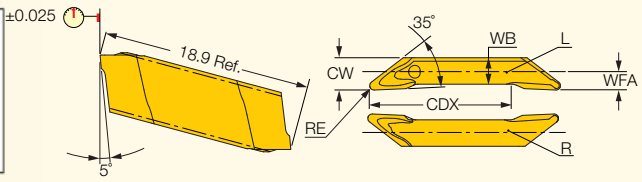
SCAN ME

LOGIQUICK
MACHINING INTELLIGENTLY

CUTVGRIP

GIVR/L

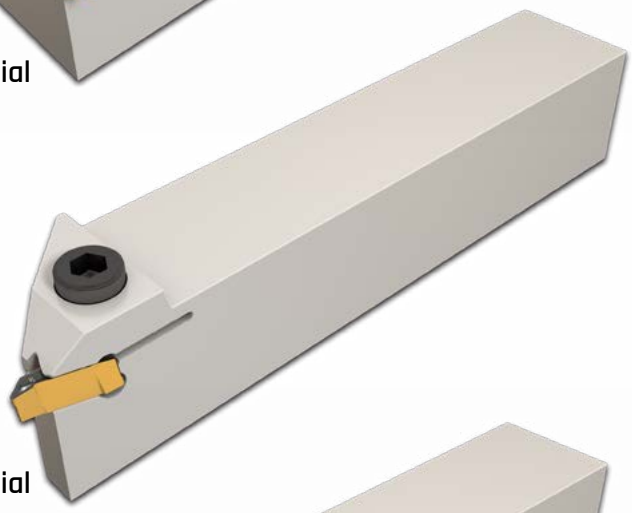
Double-Edged Groove-Turn Inserts for Back Turning ,Undercutting and Profiling



Designation	Dimensions						IC808
	RE	RETOL[1]	CW	CDX	WB	WFA	
GIVR 302-F1M-12P	0.20	0.030	2.80	12.80	2.40	1.53	●
GIVL 302-F1M-12P	0.20	0.030	2.80	12.80	2.40	1.53	●
GIVR 304-F1M-12P	0.40	0.030	2.93	12.80	2.40	1.66	●
GIVL 304-F1M-12P	0.40	0.030	2.93	12.80	2.40	1.66	●

[1] Corner radius tolerance (+/-)

Shallow and Radial

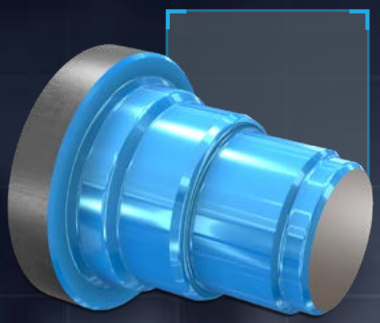


Shallow and Radial

45° Undercutting

QUICKPENTA

New Generation Penta 24 Inserts & Tools for Grooving, Parting, and Light Turning. Intended for Quick Cutting-Edge Indexing and a Safety Lock Clamping Mechanism.



Pinpointed Coolant directed to the Cutting Zone.

YOU Grooving Intelligently?

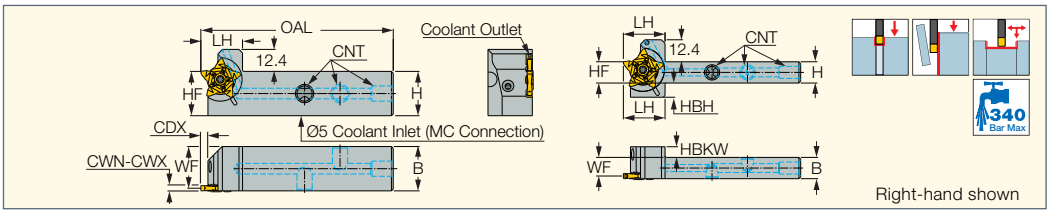
Superior Insert Clamping and High Precision Indexing for Exact Insert Location and Machining Repeatability. Quick Cutting Edge Indexing.

SCAN ME

LOGIQUICK
MACHINING INTELLIGENTLY

QUICKPENTA

PCHR/L-24-JHP-QC/MC
Grooving, Parting and Recessing Tools with Safety Lock Clamping for Five Cutting Edged Inserts



Designation	H	HF	B	CWN(2)	CWX(3)	CDX	WF	HBKW	OAL	CNT	LH	HBH	Insert
PCHR/L 12-24-JHP-QC	12.0	12.0	12.0	0.50	3.18	6.40	10.50	6.00	100.00	UNF 5/16-24	23.5	8.0	PENTA 24...SL
PCHR/L 16-24-JHP-QC	16.0	16.0	16.0	0.50	3.18	6.40	14.50	2.00	93.50	UNF 5/16-24	23.5	4.0	PENTA 24...SL
PCHR/L 20-24-JHP-MC-QC (1)	20.0	20.0	20.0	0.50	3.18	6.40	18.50	-	93.50	G1/8	23.5	-	PENTA 24...SL
PCHR/L 25-24-JHP-MC-QC (1)	25.0	25.0	25.0	0.50	3.18	6.40	23.50	-	108.50	G1/8	23.5	-	PENTA 24...SL

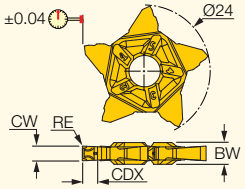
(1) In addition, an MC connection is available for this tool
(2) Minimum cutting width
(3) Maximum cutting width

Spare Parts

Designation							
PCHR/L 12-24-JHP-QC	SR 16-212-01397R		SR 5/16UNF TL360		HW 5/32"	T-2010/5	SR M3X0.5X10DIN7991 10.9
PCHR/L 16-24-JHP-QC	SR 16-212-01397R		SR 5/16UNF TL360		HW 5/32"	T-2010/5	SR M3X0.5X10DIN7991 10.9
PCHR/L 20-24-JHP-MC-QC	SR 16-212-01397R	SR M6X6 DIN913 TL360	PLG G1/8 TL360	HW 3.0	HW 5.0	T-2010/5	SR M3X0.5X10DIN7991 10.9
PCHR/L 25-24-JHP-MC-QC	SR 16-212-01397R	SR M6X6 DIN913 TL360	PLG G1/8 TL360	HW 3.0	HW 5.0	T-2010/5	SR M3X0.5X10DIN7991 10.9

PENTACUT

PENTA 24N-C-SL
First Choice for The Parting of Bars, Hard Materials, and Tough Applications with a Negative Cutting Rake Angle

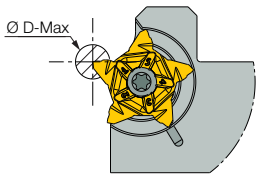


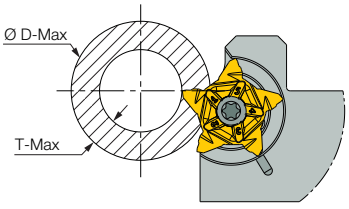
Designation	Dimensions CW	CWTOL(1)	RE	RETOL(2)	CDX(3)	BW	IC808G
PENTA 24N200C020SL	2.00	0.020	0.20	0.030	6.00	4.00	•
PENTA 24N300C020SL	3.00	0.020	0.20	0.030	6.20	4.00	•

• CUTDIA as a function of depth of cut (CDX).
(1) Cutting width tolerance (+/-)
(2) Corner radius tolerance (+/-)
(3) Cutting depth maximum

Designation	CW ± 0.02	Parting to Center D-Max	Parting Hollow Bars T-Max	Parting Hollow Bars D-Max
PENTA 24...SL	CW = 0.50	5	2.5*	250
	CW = 1.00	7	3.5	250
	CW = 1.50	10	5.0	30
	CW = 2.00	12	6.0	20
	CW = 2.47	10	5.0	30
	CW = 3.00	12.4	6.2	20

*Refers to PENTA 24N050J004SL





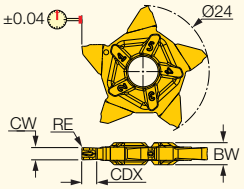
Designation	T-Max	D-Max As a Function of Depth of Cut (T) T≤3.0	T≤3.5	T≤4.0	T≤4.5	T≤5.0	T≤5.5	T≤6.0	T≤6.2
PENTA 24N200C020SL	6.0	N.L.	470	210	120	75	45	20	-
PENTA 24N300C020SL	6.2	N.L.	470	210	120	75	60	40	20

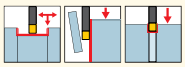
(1) The data in those tables refers to standard inserts only.
(2) As T decreases ,D-Max Increases. See tables for further data.
(3) N.L. = No Limit.

PENTACUT

PENTA 24N-J-SL

Five Cutting Edges for Parting and Grooving with Positive Rake Angle Clamped Onto Standard PENTACUT Holders.



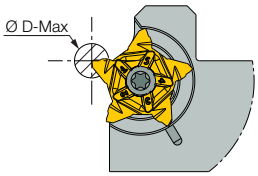


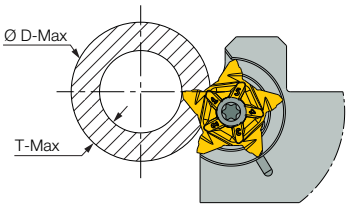
Designation	Dimensions						IC808G
	CW	CWTOL(1)	RE	RETOL(2)	CDX(3)	BW	
PENTA 24N050J004SL	0.50	0.020	0.04	0.020	2.50	4.00	●
PENTA 24N100J006SL	1.00	0.020	0.06	0.020	3.50	4.00	●
PENTA 24N150J010SL	1.50	0.020	0.10	0.020	5.00	4.00	●
PENTA 24N200J020SL	2.00	0.020	0.20	0.030	6.00	4.00	●
PENTA 24N247J020SL	2.47	0.020	0.20	0.030	5.00	4.00	●
PENTA 24N300J020SL	3.00	0.020	0.20	0.030	6.20	4.00	●

(1) Cutting width tolerance (+/-)
(2) Corner radius tolerance (+/-)
(3) Cutting depth maximum

Designation	CW ± 0.02	Parting to Center D-Max	Parting Hollow Bars	
			T-Max	D-Max
PENTA 24...SL	CW = 0.50	5	2.5*	250
	CW = 1.00	7	3.5	250
	CW = 1.50	10	5.0	30
	CW = 2.00	12	6.0	20
	CW = 2.47	10	5.0	30
	CW = 3.00	12.4	6.2	20

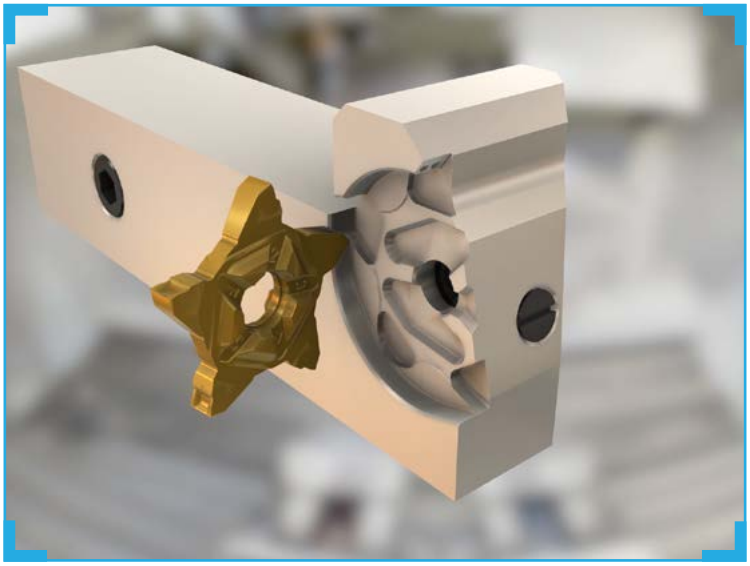
*Refers to PENTA 24N050J004SL





Designation	D-Max As a Function of Depth of Cut (T)								
	T-Max	T≤3.0	T≤3.5	T≤4.0	T≤4.5	T≤5.0	T≤5.5	T≤6.0	T≤6.2
PENTA 24N050J004SL	2.5	-.	-	-	-	-	-	-	-
PENTA 24N100J006SL	3.5	N.L.	250	-	-	-	-	-	-
PENTA 24N150J010SL	5.0	N.L.	470	210	70	30	-	-	-
PENTA 24N200J020SL	6.0	N.L.	470	210	120	75	45	20	-
PENTA 24N247J020SL	5.0	N.L.	470	210	70	30	-	-	-
PENTA 24N300J020SL	6.2	N.L.	470	210	120	75	60	40	20

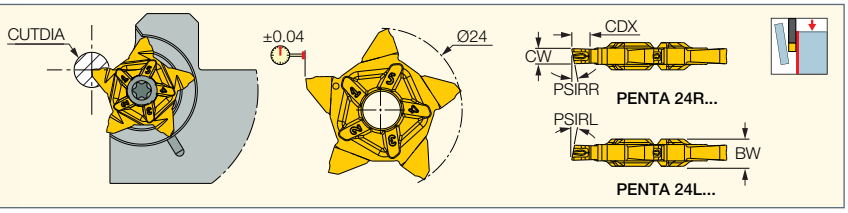
(1) The data in those tables refers to standard inserts only.
(2) As T decreases ,D-Max Increases. See tables for further data.
(3) N.L. = No Limit.



PENTACUT

PENTA 24R/L-DSL

Parting Insert with 5 Angled Cutting Edges to Minimize Burr Size. Can Be Clamped Also on Standard PENTA CUT Holders.

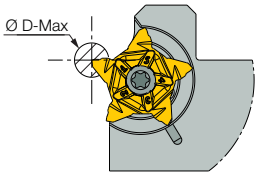


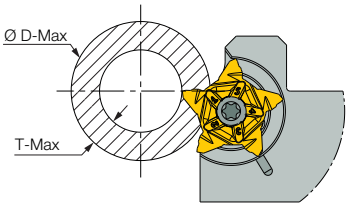
Designation	Dimensions						IC1010
	CW	CWTOL[1]	CDX[2]	PSIRL	PSIRR	CUTDIA	
PENTA 24L100J15DSL	1.00	0.020	3.50	15.0	-	7.0	●
PENTA 24R100J15DSL	1.00	0.020	3.50	-	15.0	7.0	●
PENTA 24L150J06DSL	1.50	0.020	5.00	6.0	-	10.0	●
PENTA 24R150J06DSL	1.50	0.020	5.00	-	6.0	10.0	●
PENTA 24L200J06DSL	2.00	0.020	6.00	6.0	-	12.0	●
PENTA 24R200J06DSL	2.00	0.020	6.00	-	6.0	12.0	●

[1] Cutting width tolerance (+/-)
[2] Cutting depth maximum

Designation	CW ± 0.02	Parting to Center D-Max	Parting Hollow Bars	
			T-Max	D-Max
PENTA 24...SL	CW = 0.50	5	2.5*	250
	CW = 1.00	7	3.5	250
	CW = 1.50	10	5.0	30
	CW = 2.00	12	6.0	20
	CW = 2.47	10	5.0	30
	CW = 3.00	12.4	6.2	20

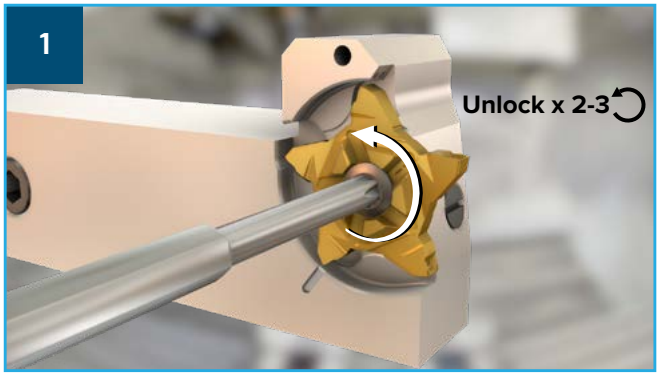
*Refers to PENTA 24N050J004SL

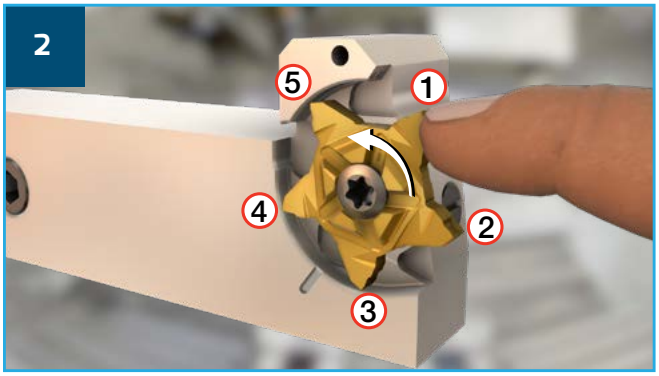


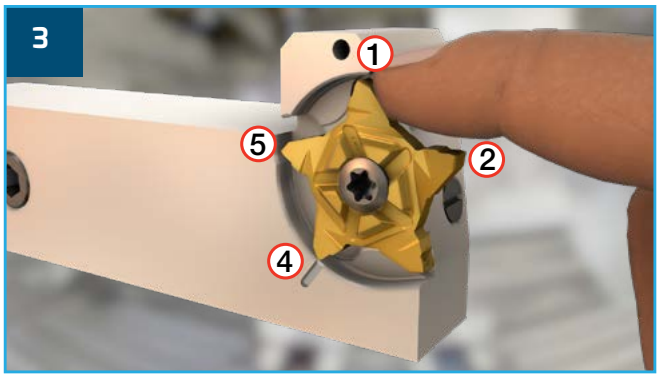


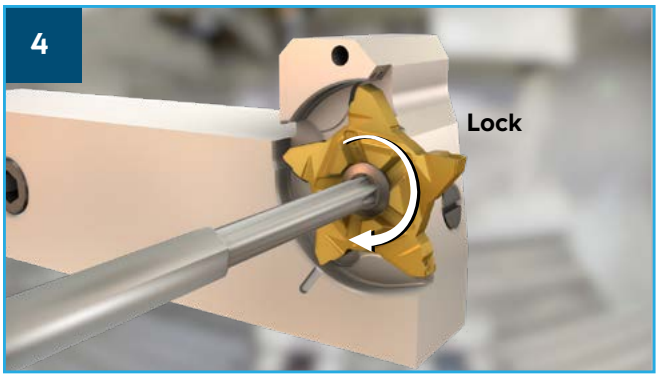
Designation	Parting to Center D-Max	D-Max As a Function of Depth of Cut (T) (for Parting Hollow Bars)						
		T≤3.0	T≤3.5	T≤4.0	T≤4.5	T≤5.0	T≤5.5	T≤6.0
PENTA 24R/L100J15DSL	7	N.L.	250	-	-	-	-	-
PENTA 24R/L150J06DSL	10	N.L.	470	210	70	30	-	-
PENTA 24R/L200J06DSL	12	N.L.	470	210	120	75	45	20

[1] The data in those tables refers to standard inserts only.
[2] As T decreases ,D-Max Increases. See tables for further data.
[3] N.L. = No Limit.


1
Unlock x 2-3


2
5
1
4
2
3


3
1
5
2
4


4
Lock


PENTACUT
PCHR 25-24-JHP-MC-QC
JETCUT
MAX PRESSURE: 340 [Bar]

YOU DRILLING INTELLIGENTLY?

Member IMC Group

SUMOCHAM

Modular Drill with a MULTI-MASTER Connection

Dia. Range: 4mm-10mm.
Enables Using MULTI-MASTER Shanks for Multi-Spindle and Swiss-Type Machines.

YOU Drilling Intelligently?

Easy and Quick Tool Change Saves Setup and Machine Downtime.
Internal Channels Provide Effective Coolant.

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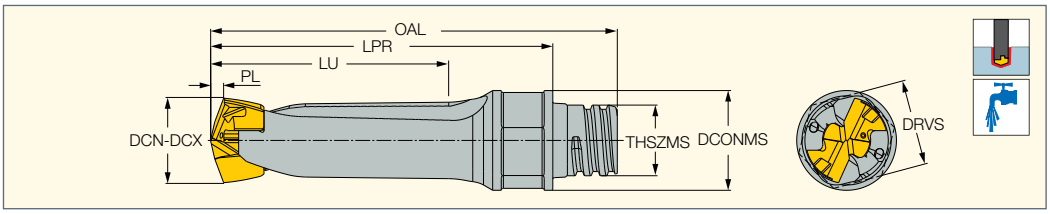
MACHINING INTELLIGENTLY

SUMOCHAM

DCN-MM
Modular Drill Body with Exchangeable Heads, Internal Coolant Holes and MULTI-MASTER Connection, Drilling Depth 2xD



Designation	DCN[2]	DCX[3]	DCONMS	LU	LPR	PL	OAL	THSZMS	SSC[4]	MIID[5]	DRVS[6]
DCN 040-008-MMT05-2D [1]	4.00	4.40	7.60	8.62	22.00	0.620	28.75	T05	4.0	ICP 040	5.5
DCN 045-009-MMT05-2D [1]	4.50	4.90	7.60	9.66	23.30	0.660	30.05	T05	4.5	ICP 045	5.5
DCN 050-010-MMT06-2D [1]	5.00	5.40	9.60	10.73	27.25	0.730	33.55	T06	5.0	ICP 050	8.0
DCN 055-011-MMT06-2D [1]	5.50	5.90	9.60	11.81	27.50	0.810	33.80	T06	5.5	ICP 055	8.0
DCN 060-012-MMT06-2D	6.00	6.40	9.60	12.96	27.90	0.960	34.20	T06	6.0	ICP 060	8.0
DCN 065-013-MMT06-2D	6.50	6.90	9.60	14.18	29.50	1.180	35.80	T06	6.5	ICP 065	8.0
DCN 070-014-MMT06-2D	7.00	7.40	9.60	15.01	30.10	1.010	36.39	T06	7.0	ICP 070	8.0
DCN 075-015-MMT06-2D	7.50	7.90	9.60	16.01	31.10	1.100	37.40	T06	7.0	ICP 075	8.0
DCN 080-016-MMT06-2D	8.00	8.40	9.60	17.18	32.90	1.200	39.19	T06	8.0	ICP 080	8.0
DCN 085-017-MMT06-2D	8.50	8.90	9.60	18.29	33.90	1.290	40.19	T06	8.0	ICP 085	8.0
DCN 090-018-MMT08-2D	9.00	9.40	11.60	19.35	37.40	1.350	44.90	T08	9.0	ICP 090	10.0
DCN 095-019-MMT08-2D	9.50	9.90	11.60	20.44	38.40	1.440	45.90	T08	9.0	ICP 095	10.0
DCN 100-020-MMT08-2D	10.00	10.40	11.60	21.50	39.80	1.500	47.30	T08	10.0	ICP 100	10.0

- Do not mount smaller drilling heads other than the specified range of the drill body

[1] The SK DCN key is supplied with the insert
[2] Cutting diameter minimum
[3] Cutting diameter maximum
[4] Seat size code
[5] Master insert identification
[6] Torque key size

Spare Parts

Designation	
DCN 060-012-MMT06-2D	K DCN 6-9.99-Y
DCN 065-013-MMT06-2D	K DCN 6-9.99-Y
DCN 070-014-MMT06-2D	K DCN 6-9.99
DCN 075-015-MMT06-2D	K DCN 6-9.99
DCN 080-016-MMT06-2D	K DCN 6-9.99
DCN 085-017-MMT06-2D	K DCN 6-9.99
DCN 090-018-MMT08-2D	K DCN 6-9.99
DCN 095-019-MMT08-2D	K DCN 6-9.99
DCN 100-020-MMT08-2D	K DCN 10-13.99

PICCOSUMOCHAM

SUMOCHAM Drill with a PICCO-CUT Connection for Small Diameter Drilling Solutions

Dia. Range: 4.00 -10.90 mm
Drilling Depth 3XD

YOU Drilling Intelligently?

Small 3xD Holders with Internal Coolant Channels. Suitable for Small and Swiss Type Machines.

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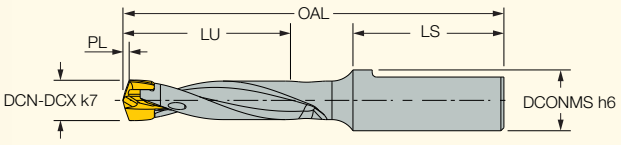
MACHINING INTELLIGENTLY

PICCOSUMOCHAM

DCN-PICCO

Drill Body with Exchangeable Heads, Internal Coolant Holes and PICCO Connection, Drilling Depth 3xD



Designation	DCN[2]	DCX[3]	DCONMS	LU	PL	LS	OAL	SSC[4]	MIID[5]	
DCN 040-012-06-3D-PICCO [1]	4.00	4.40	6.00	12.62	0.620	14.9	37.60	4.0	ICP 040	
DCN 045-014-06-3D-PICCO [1]	4.50	4.90	6.00	14.66	0.660	14.9	39.55	4.5	ICP 045	
DCN 050-015-06-3D-PICCO [1]	5.00	5.40	6.00	15.73	0.730	14.9	41.20	5.0	ICP 050	
DCN 055-017-06-3D-PICCO [1]	5.50	5.90	6.00	17.81	0.810	14.9	42.85	5.5	ICP 055	
DCN 060-018-06-3D-PICCO	6.00	6.40	6.00	18.96	0.960	14.9	44.50	6.0	ICP 060	K DCN 6-9.99-Y
DCN 065-020-06-3D-PICCO	6.50	6.90	6.00	21.18	1.180	17.1	46.30	6.5	ICP 065	K DCN 6-9.99-Y
DCN 070-021-08-3D-PICCO	7.00	7.40	8.00	22.01	1.010	20.0	55.60	7.0	ICP 070	K DCN 6-9.99
DCN 075-023-08-3D-PICCO	7.50	7.90	8.00	24.10	1.100	20.0	57.10	7.0	ICP 075	K DCN 6-9.99
DCN 080-024-08-3D-PICCO	8.00	8.40	8.00	25.20	1.200	20.0	59.40	8.0	ICP 080	K DCN 6-9.99
DCN 085-026-08-3D-PICCO	8.50	8.90	8.00	26.35	1.350	20.0	60.90	8.0	ICP 085	K DCN 6-9.99
DCN 090-027-08-3D-PICCO	9.00	9.40	8.00	28.35	1.350	20.0	63.30	9.0	ICP 090	K DCN 6-9.99
DCN 095-029-08-3D-PICCO	9.50	9.90	8.00	30.44	1.440	20.0	64.30	9.0	ICP 095	K DCN 6-9.99
DCN 100-030-08-3D-PICCO	10.00	10.40	8.00	31.50	1.500	20.0	66.20	10.0	ICP 100	K DCN 10-13.99
DCN 105-032-08-3D-PICCO	10.50	10.90	8.00	33.00	1.590	20.0	67.69	10.5	ICP 105	K DCN 10-13.99

- Do not mount smaller drilling heads other than the specified range of the drill body .

[1] The SK DCN key is supplied with the insert

[2] Cutting diameter minimum

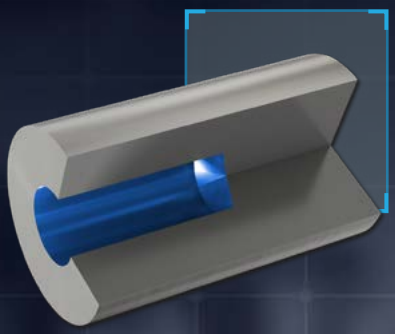
[3] Cutting diameter maximum

[4] Seat size code

[5] Master insert identification

PICCODRILL

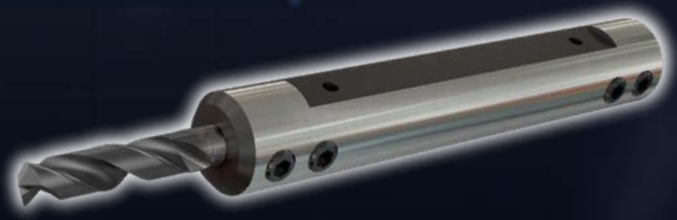
Solid Carbide Drills for Swiss and Small CNC Machines with PICCO-CUT Connections



Drill Dia. Range: 3-8 mm
Drilling Depths of 3×D

YOU Drilling Intelligently?

Pinpointed Coolant Through Two Side Channels Directed to the Cutting Edges.



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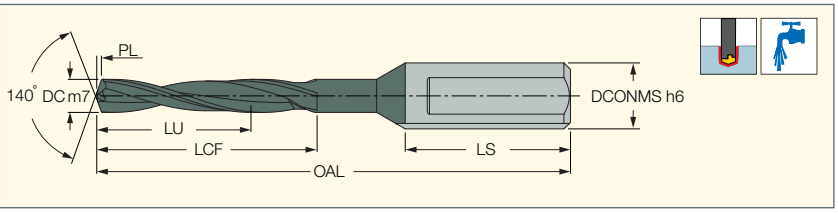
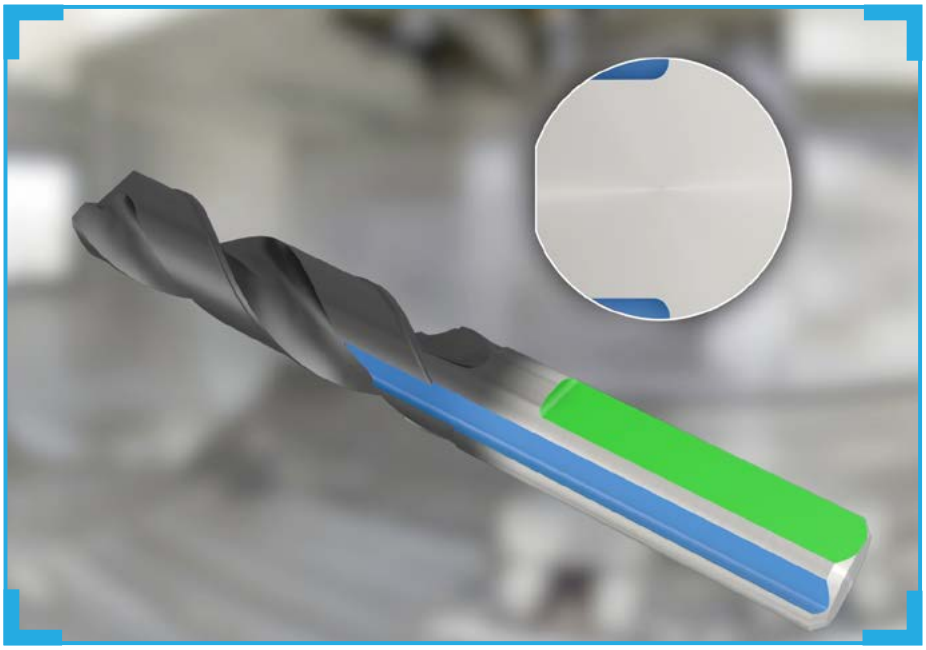
MACHINING INTELLIGENTLY

PICCODRILL

SCD-PICCO 3D
Solid Carbide Drills for Swiss and Small CNC Machines

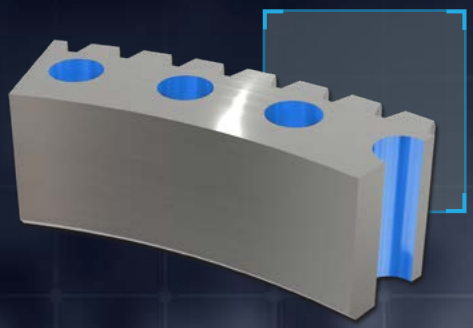


Designation	Dimensions							IC908
	DC	DCONMS	LU	LCF	OAL	LS	PL	
SCD 030-014-060 PICCO 3D	3.00	6.00	14.00	21.0	43.00	15.0	0.500	●
SCD 035-014-060 PICCO 3D	3.50	6.00	14.00	21.0	43.00	15.0	0.600	●
SCD 040-017-060 PICCO 3D	4.00	6.00	17.00	25.0	46.00	15.0	0.600	●
SCD 045-017-060 PICCO 3D	4.50	6.00	17.00	25.0	46.00	15.0	0.700	●
SCD 050-020-060 PICCO 3D	5.00	6.00	20.00	29.0	46.00	15.0	0.800	●
SCD 055-020-060 PICCO 3D	5.50	6.00	20.00	29.0	46.00	15.0	0.900	●
SCD 060-020-060 PICCO 3D	6.00	6.00	20.00	29.0	46.00	15.0	0.900	●
SCD 065-024-080 PICCO 3D	6.50	8.00	24.00	35.0	62.00	19.0	1.000	●
SCD 070-024-080 PICCO 3D	7.00	8.00	24.00	35.0	62.00	19.0	1.100	●
SCD 075-029-080 PICCO 3D	7.50	8.00	29.00	42.0	62.00	19.0	1.200	●
SCD 080-029-080 PICCO 3D	8.00	8.00	29.00	42.0	62.00	19.0	1.300	●



MODUDRILL

Interchangeable Heads for Large Diameter Drilling



Dia. Range: 33-40mm
Drilling Depth: 3-5-8XD up to 10XD as Standard Items.

YOU Drilling Intelligently?

Interchangeable Drill Heads with a Wide Range of TRIGON Inserts and SUMOCHAM Drilling Heads. High Torque Transfer with Large Flutes for Better Chip Evacuation.

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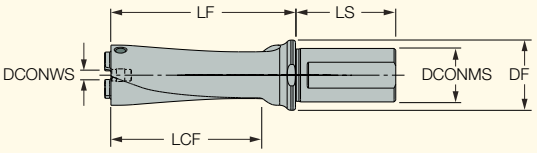
MODUDRILL

MD-BODY-3D
Modular Drill Bodies, Each Can Carry a Variety of Exchangeable Drilling Heads with Different Diameters

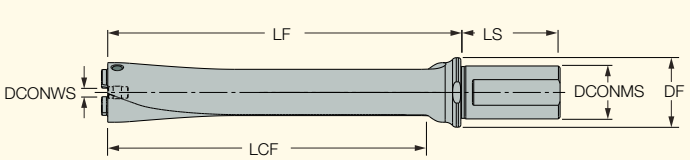


Designation	DCONMS	DF	LS	LF	LCF	DCN(1)	DCX(2)	DCONWS			
MD-BODY-33-36-108-32A-3D	32.00	42.00	60.0	121.00	99.0	33.00	36.90	6.70	SET SCREW M6-MODUDRILL	BLD T15/S7	SW6-T-SH
MD-BODY-37-40-120-32A-3D	32.00	42.00	60.0	137.00	113.0	37.00	40.90	6.90	SET SCREW M6-MODUDRILL	BLD T15/S7	SW6-T-SH

(1) Cutting diameter minimum
(2) Cutting diameter maximum

MODUDRILL

MD-BODY-5D
Modular Drill Bodies, Each Can Carry a Variety of Exchangeable Drilling Heads with Different Diameters

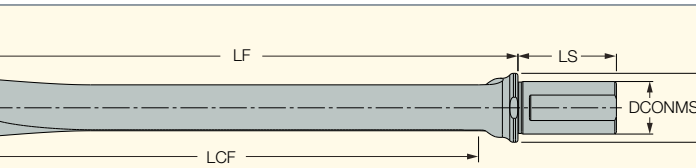


Designation	DCONMS	DF	LS	LF	LCF	DCN(1)	DCX(2)	DCONWS			
MD-BODY-33-36-180-32A-5D	32.00	42.00	60.0	193.00	171.0	33.00	36.90	6.70	SET SCREW M6-MODUDRILL	BLD T15/S7	SW6-T-SH
MD-BODY-37-40-200-32A-5D	32.00	42.00	60.0	217.00	193.0	37.00	40.90	6.90	SET SCREW M6-MODUDRILL	BLD T15/S7	SW6-T-SH

(1) Cutting diameter minimum
(2) Cutting diameter maximum

MODUDRILL

MD-BODY-8D
Modular Drill Bodies, Each Can Carry a Variety of Exchangeable Drilling Heads with Different Diameters

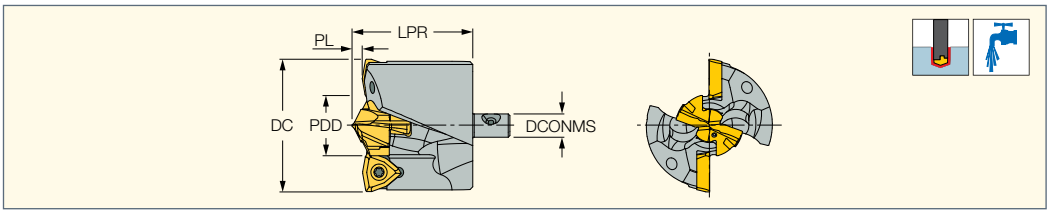


Designation	DCONMS	DF	LS	LF	LCF	DCN(1)	DCX(2)	DCONWS			
MD-BODY-33-36-288-32A-8D	32.00	42.00	60.0	301.00	279.0	33.00	36.90	6.70	SET SCREW M6-MODUDRILL	BLD T15/S7	SW6-T-SH
MD-BODY-37-40-320-32A-8D	32.00	42.00	60.0	337.00	313.0	37.00	40.90	6.90	SET SCREW M6-MODUDRILL	BLD T15/S7	SW6-T-SH

(1) Cutting diameter minimum
(2) Cutting diameter maximum

MODUDRILL

MD-MNC-HEAD
Exchangeable Modular Drilling Heads with a Pilot SUMOCHAM Head and Peripheral Triangular Inserts



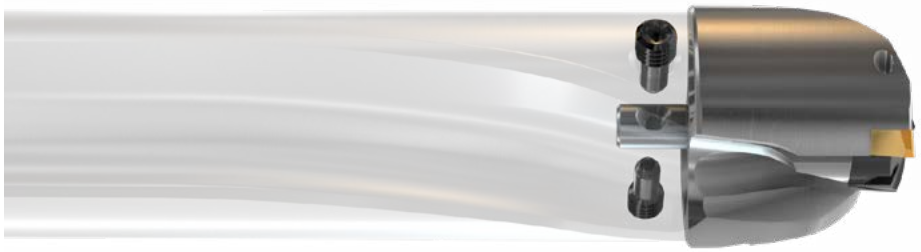
Designation	DC	PDD	LPR	DCONMS	PL	MIID[1]	MIID_2[2]
MD-MNC 330-169-W5	33.00	16.90	35.00	6.70	3.000	ICP 169-MNC	WCGX 05T308-W-DC
MD-MNC 332-169-W5	33.20	16.90	35.00	6.70	3.000	ICP 169-MNC	WCGX 05T308-W-DC
MD-MNC 340-189-W5	34.00	18.90	35.00	6.70	3.000	ICP 189-MNC	WCGX 05T308-W-DC
MD-MNC 350-199-W5	35.00	19.90	35.00	6.70	3.000	ICP 199-MNC	WCGX 05T308-W-DC
MD-MNC 360-209-W5	36.00	20.90	35.30	6.70	3.300	ICP 209-MNC	WCGX 05T308-W-DC
MD-MNC 362-209-W5	36.20	20.90	35.30	6.70	3.300	ICP 209-MNC	WCGX 05T308-W-DC
MD-MNC 370-179-W6	37.00	17.90	35.00	6.90	3.000	ICP 179-MNC	WCGX 06T308-W-DC
MD-MNC 380-189-W6	38.00	18.90	35.00	6.90	3.000	ICP 189-MNC	WCGX 06T308-W-DC
MD-MNC 390-199-W6	39.00	19.90	35.00	6.90	3.000	ICP 199-MNC	WCGX 06T308-W-DC
MD-MNC 392-199-W6	39.20	19.90	35.60	6.90	3.000	ICP 199-MNC	WCGX 06T308-W-DC
MD-MNC 400-209-W6	40.00	20.90	35.30	6.90	3.300	ICP 209-MNC	WCGX 06T308-W-DC

[1] Master insert identification
[2] Master insert identification 2

Spare Parts

Designation				
MD-MNC 330-169-W5	K MNC MULTI	K MNC 14-21.99*	SR 34-506 M3X0.5	T-9/5
MD-MNC 332-169-W5	K MNC MULTI	K MNC 14-21.99*	SR 34-506 M3X0.5	T-9/5
MD-MNC 340-189-W5	K MNC MULTI	K MNC 14-21.99*	SR 34-506 M3X0.5	T-9/5
MD-MNC 350-199-W5	K MNC MULTI	K MNC 14-21.99*	SR 34-506 M3X0.5	T-9/5
MD-MNC 360-209-W5	K MNC MULTI	K MNC 14-21.99*	SR 34-506 M3X0.5	T-9/5
MD-MNC 362-209-W5	K MNC MULTI	K MNC 14-21.99*	SR 34-506 M3X0.5	T-9/5
MD-MNC 370-179-W6	K MNC MULTI	K MNC 14-21.99*	SR 34-550-M2	T-10/5
MD-MNC 380-189-W6	K MNC MULTI	K MNC 14-21.99*	SR 34-550-M2	T-10/5
MD-MNC 390-199-W6	K MNC MULTI	K MNC 14-21.99*	SR 34-550-M2	T-10/5
MD-MNC 392-199-W6	K MNC MULTI	K MNC 14-21.99*	SR 34-550-M2	T-10/5
MD-MNC 400-209-W6	K MNC MULTI	K MNC 14-21.99*	SR 34-550-M2	T-10/5

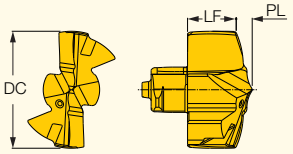
* Optional, to be ordered separately



LOGIQUICK MACHINING INTELLIGENTLY

MODUDRILL

ICP-MNC
Exchangeable SUMOCHAM Drilling Heads for Modular Combi Drills

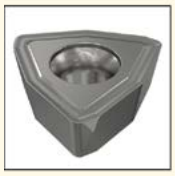


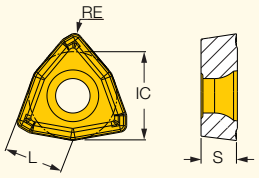
Designation	Dimensions DC	PL	LF	SSC(1)	IC908
ICP 159-MNC 4F	15.90	2.400	6.30	15.0	●
ICP 169-MNC 4F	16.90	2.600	6.70	16.0	●
ICP 179-MNC 4F	17.90	2.800	7.10	17.0	●
ICP 189-MNC 4F	18.90	2.900	7.60	18.0	●
ICP 199-MNC 4F	19.90	2.700	8.30	19.0	●
ICP 209-MNC 4F	20.90	3.000	8.60	20.0	●

(1) Seat size code

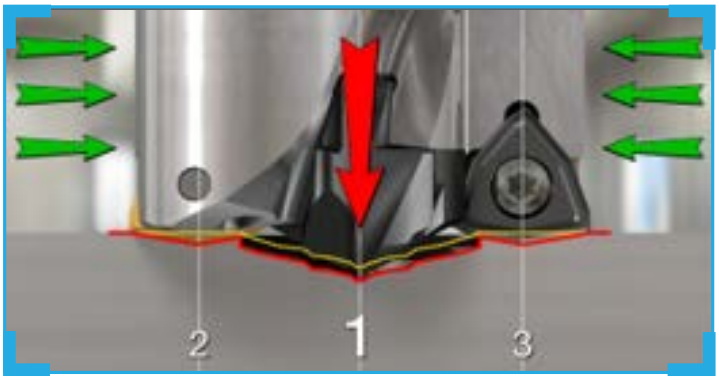
MODUDRILL

WCGX
Precision Ground Trigon Inserts for Modular MNC Drills



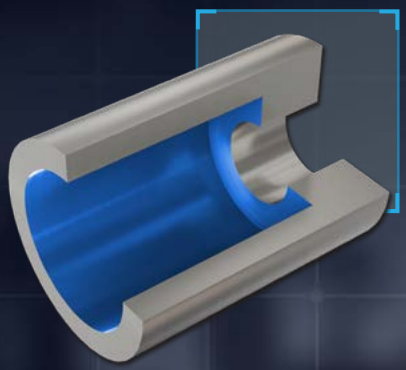


Designation	Dimensions L	IC	S	RE	IC918
WCGX 05T308-W-DC	5.35	7.94	3.88	0.80	●
WCGX 06T308-W-DC	6.38	9.47	3.80	0.80	●



LOGIQ3CHAM

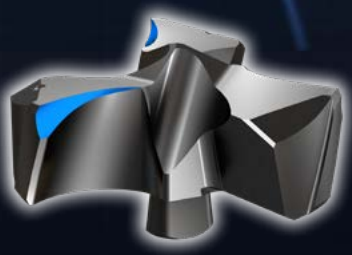
Exchangeable HEADS with 3 Effective Cutting Edges for Boring and Enlarging Hole Sizes



Dia. Range: 12mm-25.9mm
No Setup Time!

YOU Drilling Intelligently?

3 Cutting Edges with a Positive Chipbreaker, for Excellent Chip Forming, Suitable for a Variety of Materials.



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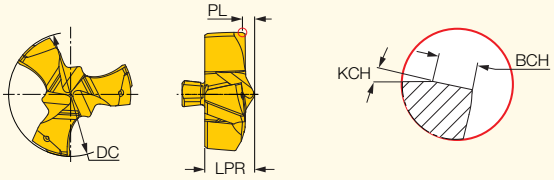
MACHINING INTELLIGENTLY

LOGIQ3CHAM

F3B
Exchangeable 3 Flute
Counterboring Heads



Designation	Dimensions						IC908
	DC	LPR	PL	BCH	KCH	SSC(1)	
F3B 120-IQ	12.00	4.90	0.850	0.40	30.0	12	•
F3B 125-IQ	12.50	4.90	0.850	0.40	30.0	12	•
F3B 127-IQ	12.70	4.90	0.850	0.40	30.0	12	•
F3B 130-IQ	13.00	5.00	1.000	0.40	30.0	13	•
F3B 135-IQ	13.50	5.00	1.000	0.40	30.0	13	•
F3B 140-IQ	14.00	5.74	1.440	0.40	30.0	14	•
F3B 143-IQ	14.30	5.74	1.440	0.40	30.0	14	•
F3B 145-IQ	14.50	5.74	1.440	0.40	30.0	14	•
F3B 150-IQ	15.00	6.01	1.440	0.40	30.0	15	•
F3B 155-IQ	15.50	6.01	1.440	0.40	30.0	15	•
F3B 1588-IQ	15.88	6.01	1.440	0.40	30.0	15	•
F3B 160-IQ	16.00	6.43	1.580	0.40	30.0	16	•
F3B 165-IQ	16.50	6.43	1.580	0.40	30.0	16	•
F3B 170-IQ	17.00	6.95	1.630	0.40	30.0	17	•
F3B 1747-IQ	17.47	6.95	1.630	0.40	30.0	17	•
F3B 175-IQ	17.50	6.95	1.630	0.40	30.0	17	•
F3B 180-IQ	18.00	7.30	1.610	0.40	30.0	18	•
F3B 185-IQ	18.50	7.30	1.610	0.40	30.0	18	•
F3B 190-IQ	19.00	7.58	1.600	0.40	30.0	19	•
F3B 1905-IQ	19.05	7.58	1.600	0.40	30.0	19	•
F3B 195-IQ	19.50	7.58	1.600	0.40	30.0	19	•
F3B 200-IQ	20.00	7.52	1.760	0.40	30.0	20	•
F3B 205-IQ	20.50	7.52	1.760	0.40	30.0	20	•
F3B 2064-IQ	20.64	7.52	1.760	0.40	30.0	20	•
F3B 210-IQ	21.00	7.98	1.740	0.40	30.0	21	•
F3B 215-IQ	21.50	7.98	1.740	0.40	30.0	21	•
F3B 220-IQ	22.00	8.67	1.830	0.40	30.0	22	•
F3B 2223-IQ	22.23	8.67	1.830	0.40	30.0	22	•
F3B 225-IQ	22.50	8.67	1.830	0.40	30.0	22	•
F3B 230-IQ	23.00	8.78	1.960	0.40	30.0	23	•
F3B 235-IQ	23.50	8.78	1.960	0.40	30.0	23	•
F3B 2381-IQ	23.81	8.78	1.960	0.40	30.0	23	•
F3B 240-IQ	24.00	8.91	1.800	0.40	30.0	24	•
F3B 245-IQ	24.50	8.91	1.800	0.40	30.0	24	•
F3B 250-IQ	25.00	9.87	1.970	0.40	30.0	25	•
F3B 254-IQ	25.40	9.87	1.970	0.40	30.0	25	•
F3B 255-IQ	25.50	9.87	1.970	0.40	30.0	25	•

• For counterboring operations ONLY
(1) Seat size code

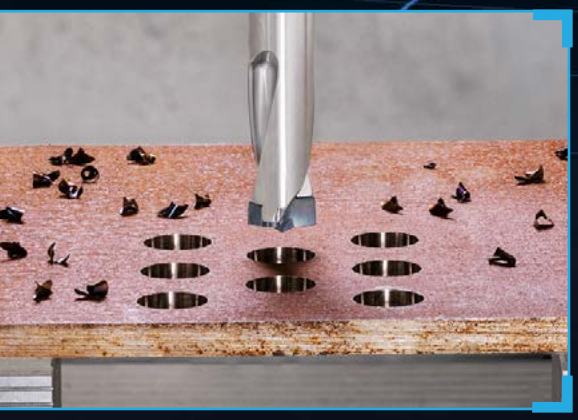
Please note:
When counterboring by F3B heads, the diameter of the hole being counterbored shall meet the following requirements:
- The MINIMUM hole diameter should be no more than 30% of the diameter of the chosen F3B head.
- The MAXIMUM hole diameter should be smaller by 2 mm than the F3B head diameter (1 mm on each side).
- For long-reach operations that require applying tools with a cutting depth exceeding 5×D, it is recommended to machine the hole using the same F3B head mounted on a tool with a shorter cutting depth (up to 3×D) to create a pilot hole with a depth of 1×D at least. Machining can be continued using a long-reach tool.

The SUMOCHAM & CHAM-SPADE-IQ Tools and Inserts for Drilling Profile Construction Beams

SUMOCHAM

CHAMSPADEIQ

Dia. Range: 13.5mm-40mm
Drilling Ratios: 5xD and 8xD



YOU Drilling Intelligently?

The New Beam Drilling Tool Line is Designed with a Self-Centering Geometry and a Reinforced Tool Body that Reduces Vibrations, Eliminates Burrs, and Significantly Increases Productivity.

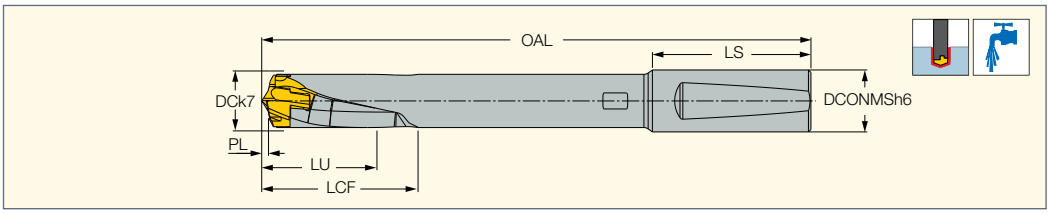
SCAN ME

LOGIQUICK
MACHINING INTELLIGENTLY

SUMOCHAM

DCN-N-5D-BD

Exchangeable Head Drills with a Reinforced Body and a WN Shank, Diameter Ratio 5xD, for Construction Beam Industry.



Designation	DCN(1)	DCX(2)	DCONMS	LU	LCF	PL	LS	OAL	SSC(3)	MIID(4)	
DCN 135-050-16N-5D-BD	13.50	13.99	16.00	40.00	50.0	1.600	57.0	153.60	13.0	IHP 135-BD	K DCN 10-13.99
DCN 140-050-16N-5D-BD	14.00	14.99	16.00	40.00	50.0	1.700	57.0	157.70	14.0	IHP 140-BD	K DCN 14-17.99
DCN 160-050-20N-5D-BD	16.00	16.99	20.00	40.00	50.0	1.950	59.0	175.00	16.0	IHP 160-BD	K DCN 14-17.99
DCN 170-050-20N-5D-BD	17.00	17.99	20.00	40.00	50.0	2.000	59.0	182.00	17.0	IHP 170-BD	K DCN 14-17.99
DCN 180-050-20N-5D-BD	18.00	18.99	20.00	40.00	50.0	2.400	59.0	189.40	18.0	IHP 180-BD	K DCN 18-21.99
DCN 190-050-20N-5D-BD	19.00	19.99	20.00	40.00	50.0	2.550	59.0	197.10	19.0	IHP 190-BD	K DCN 18-21.99
DCN 200-050-25N-5D-BD	20.00	20.99	25.00	40.00	50.0	2.600	64.0	207.60	20.0	IHP 200-BD	K DCN 18-21.99
DCN 210-050-25N-5D-BD	21.00	21.99	25.00	40.00	50.0	2.650	64.0	214.70	21.0	IHP 210-BD	K DCN 18-21.99
DCN 220-050-25N-5D-BD	22.00	22.99	25.00	40.00	50.0	2.750	64.0	221.80	22.0	IHP 220-BD	K DCN 22-26.99
DCN 230-050-25N-5D-BD	23.00	23.99	25.00	40.00	50.0	2.900	64.0	228.90	23.0	IHP 230-BD	K DCN 22-26.99
DCN 240-050-25N-5D-BD	24.00	24.99	25.00	40.00	50.0	3.000	64.0	236.00	24.0	IHP 240-BD	K DCN 22-26.99
DCN 250-050-32N-5D-BD	25.00	25.99	32.00	40.00	50.0	3.100	68.0	246.10	25.0	IHP 250-BD	K DCN 22-26.99
DCN 260-050-32N-5D-BD	26.00	26.99	32.00	40.00	50.0	3.300	68.0	253.30	26.0	IHP 260-BD	K DCN 22-26.99
DCN 270-050-32N-5D-BD	27.00	27.99	32.00	40.00	50.0	3.400	68.0	260.40	27.0	IHP 270-BD	K DCN 27-32.99
DCN 280-050-32N-5D-BD	28.00	28.99	32.00	40.00	50.0	3.550	68.0	267.60	28.0	IHP 280-BD	K DCN 27-32.99
DCN 300-070-32N-5D-BD	30.00	30.99	32.00	50.00	70.0	3.800	68.0	280.80	30.0	IHP 300-BD	K DCN 27-32.99
DCN 320-070-32N-5D-BD	32.00	32.99	32.00	50.00	70.0	3.950	68.0	295.00	32.0	IHP 320-BD	K DCN 27-32.99

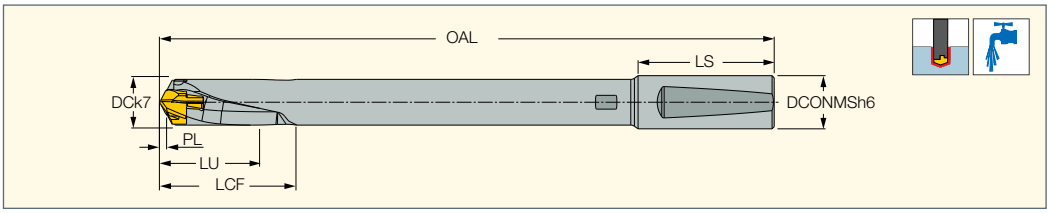
- Do not mount smaller drilling heads other than the specified range of the drill body

(1) Cutting diameter minimum
(2) Cutting diameter maximum
(3) Seat size code
(4) Master insert identification

SUMOCHAM

DCN-N-8D-BD

Exchangeable Head Drills with a Reinforced Body and a WN Shank, Diameter Ratio 8xD, for Construction Beam Industry.



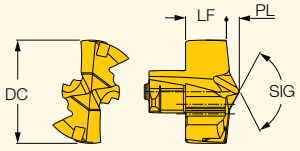
Designation	DCN(1)	DCX(2)	DCONMS	LU	LCF	PL	LS	OAL	SSC(3)	MIID(4)	
DCN 135-050-16N-8D-BD	13.50	13.99	16.00	40.00	50.0	1.600	57.0	194.10	13.0	IHP 135-BD	K DCN 10-13.99
DCN 140-050-16N-8D-BD	14.00	14.99	16.00	40.00	50.0	1.700	57.0	199.70	14.0	IHP 140-BD	K DCN 14-17.99
DCN 160-050-20N-8D-BD	16.00	16.99	20.00	40.00	50.0	1.950	59.0	223.00	16.0	IHP 160-BD	K DCN 14-17.99
DCN 170-050-20N-8D-BD	17.00	17.99	20.00	40.00	50.0	2.000	59.0	233.00	17.0	IHP 170-BD	K DCN 14-17.99
DCN 180-050-20N-8D-BD	18.00	18.99	20.00	40.00	50.0	2.400	59.0	243.40	18.0	IHP 180-BD	K DCN 18-21.99
DCN 190-050-20N-8D-BD	19.00	19.99	20.00	40.00	50.0	2.550	59.0	254.10	19.0	IHP 190-BD	K DCN 18-21.99
DCN 200-050-25N-8D-BD	20.00	20.99	25.00	40.00	50.0	2.600	64.0	267.60	20.0	IHP 200-BD	K DCN 18-21.99
DCN 210-050-25N-8D-BD	21.00	21.99	25.00	40.00	50.0	2.650	64.0	277.70	21.0	IHP 210-BD	K DCN 18-21.99
DCN 220-050-25N-8D-BD	22.00	22.99	25.00	40.00	50.0	2.750	64.0	287.80	22.0	IHP 220-BD	K DCN 22-26.99
DCN 230-050-25N-8D-BD	23.00	23.99	25.00	40.00	50.0	2.900	64.0	297.90	23.0	IHP 230-BD	K DCN 22-26.99
DCN 240-050-25N-8D-BD	24.00	24.99	25.00	40.00	50.0	3.000	64.0	308.00	24.0	IHP 240-BD	K DCN 22-26.99
DCN 250-050-32N-8D-BD	25.00	25.99	32.00	40.00	50.0	3.100	68.0	321.10	25.0	IHP 250-BD	K DCN 22-26.99
DCN 260-050-32N-8D-BD	26.00	26.99	32.00	40.00	50.0	3.300	68.0	331.30	26.0	IHP 260-BD	K DCN 22-26.99
DCN 270-050-32N-8D-BD	27.00	27.99	32.00	40.00	50.0	3.400	68.0	341.40	27.0	IHP 270-BD	K DCN 27-32.99
DCN 280-050-32N-8D-BD	28.00	28.99	32.00	40.00	50.0	3.550	68.0	351.60	28.0	IHP 280-BD	K DCN 27-32.99
DCN 300-070-32N-8D-BD	30.00	30.99	32.00	50.00	70.0	3.800	68.0	370.80	30.0	IHP 300-BD	K DCN 27-32.99
DCN 320-070-32N-8D-BD	32.00	32.99	32.00	50.00	70.0	3.950	68.0	391.00	32.0	IHP 320-BD	K DCN 27-32.99

- Do not mount smaller drilling heads other than the specified range of the drill body

(1) Cutting diameter minimum
(2) Cutting diameter maximum
(3) Seat size code
(4) Master insert identification

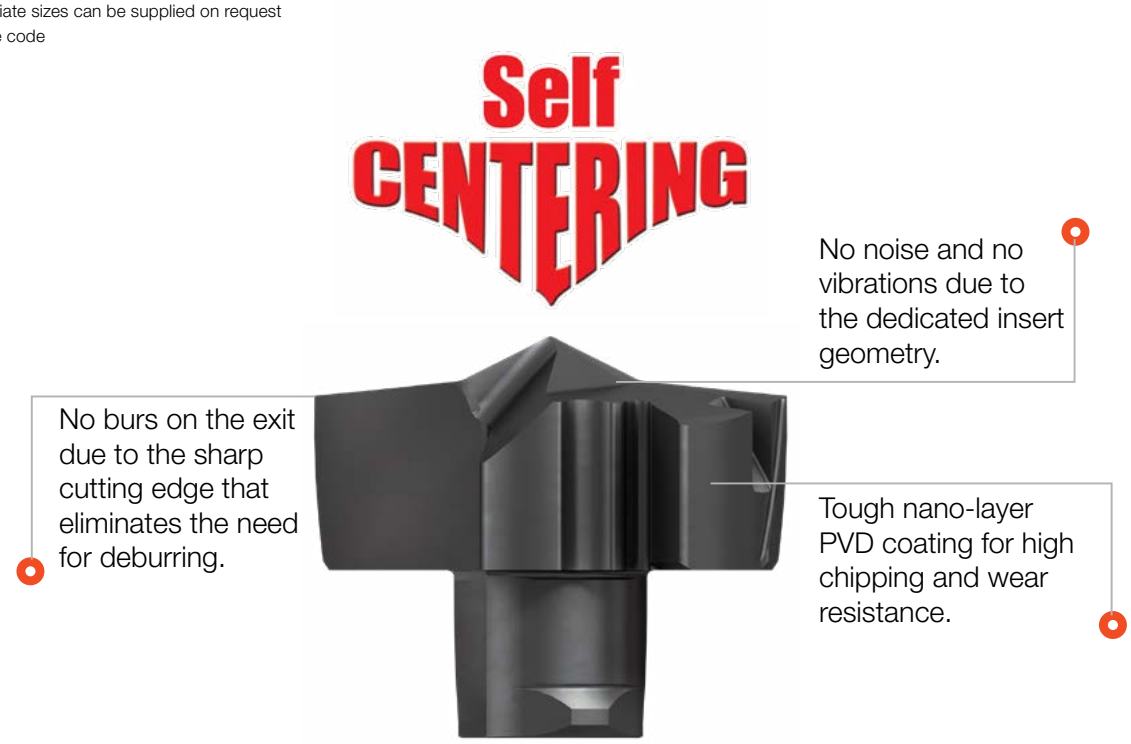
SUMOCHAM

IHP-BD
Exchangeable Drilling Heads for DCN Drills for Machining Construction Beams and Structural Steel Materials



Designation	Dimensions DC	LF	PL	SIG	SSC(1)	IC954
IHP 138-BD	13.80	5.40	1.700	128	13.0	•
IHP 140-BD	14.00	5.60	1.800	128	14.0	•
IHP 1429-BD	14.29	5.60	1.800	128	14.0	•
IHP 160-BD	16.00	6.10	1.950	128	16.0	•
IHP 170-BD	17.00	6.80	2.000	128	17.0	•
IHP 1746-BD	17.46	6.80	2.000	128	17.0	•
IHP 178-BD	17.80	6.80	2.000	128	17.0	•
IHP 180-BD	18.00	7.30	2.400	128	18.0	•
IHP 1905-BD	19.05	7.60	2.550	128	19.0	•
IHP 200-BD	20.00	8.10	2.600	128	20.0	•
IHP 2064-BD	20.64	8.10	2.600	128	20.0	•
IHP 210-BD	21.00	8.50	2.650	128	21.0	•
IHP 218-BD	21.80	8.50	2.650	128	21.0	•
IHP 220-BD	22.00	8.70	2.750	128	22.0	•
IHP 225-BD	22.50	8.70	2.750	128	22.0	•
IHP 230-BD	23.00	9.30	2.900	128	23.0	•
IHP 2381-BD	23.81	9.30	2.900	128	23.0	•
IHP 240-BD	24.00	10.00	3.000	128	24.0	•
IHP 250-BD	25.00	10.00	3.100	128	25.0	•
IHP 258-BD	25.80	10.00	3.100	128	25.0	•
IHP 260-BD	26.00	10.30	3.300	128	26.0	•
IHP 265-BD	26.50	10.30	3.300	128	26.0	•
IHP 2699-BD	26.99	10.30	3.300	128	26.0	•
IHP 270-BD	27.00	10.80	3.400	128	27.0	•
IHP 275-BD	27.50	10.80	3.400	128	27.0	•
IHP 280-BD	28.00	11.30	3.550	128	28.0	•
IHP 2858-BD	28.58	11.30	3.550	128	28.0	•
IHP 300-BD	30.00	12.00	3.800	128	30.0	•
IHP 3016-BD	30.16	12.00	3.800	128	30.0	•
IHP 320-BD	32.00	13.30	3.950	128	32.0	•

• Intermediate sizes can be supplied on request
(1) Seat size code

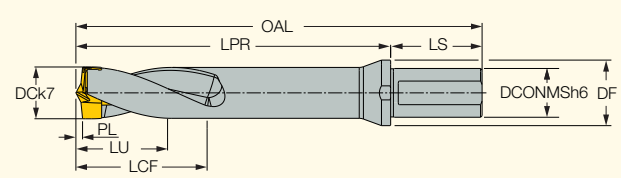


LOGIQUICK MACHINING INTELLIGENTLY

CHAMSPADEIQ

DFN A-5D-BD

Exchangeable Head Drills with a Reinforced Body and a Flat Shank, Diameter Ratio 5xD, for Construction Beam Industry



Designation	DCN(1)	DCX(2)	LPR	DF	DCONMS	LU	LCF	PL	LS	OAL	SSC(3)	
DFN 330-070-32A-5D-BD	33.00	33.99	199.60	43.00	32.00	50.00	70.0	4.250	60.0	259.60	33.0	K DFN 30-40
DFN 340-080-32A-5D-BD	34.00	34.99	205.70	43.00	32.00	50.00	80.0	4.510	60.0	265.70	34.0	K DFN 30-40
DFN 360-080-32A-5D-BD	36.00	36.99	217.90	43.00	32.00	50.00	80.0	4.760	60.0	277.90	36.0	K DFN 30-40
DFN 380-080-32A-5D-BD	38.00	38.99	231.00	43.00	32.00	50.00	80.0	5.030	60.0	291.00	38.0	K DFN 30-40
DFN 390-080-32A-5D-BD	39.00	39.99	236.60	43.00	32.00	50.00	80.0	5.160	60.0	296.60	39.0	K DFN 30-40

- Do not mount smaller drilling heads other than the specified range of the drill body

(1) Cutting diameter minimum

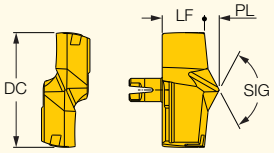
(2) Cutting diameter maximum

(3) Seat size code

CHAMSPADEIQ

IFHP-BD

Exchangeable DFN Drill Heads for Machining Construction Beams and Structural Steel Materials



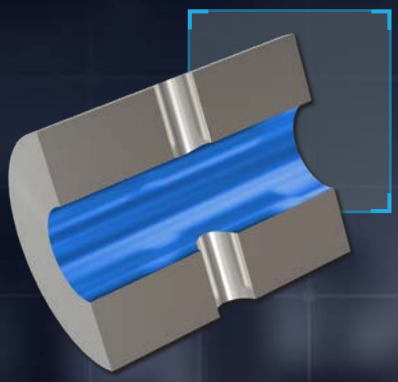
Designation	Dimensions					IC954
	DC	LF	SSC(1)	PL	SIG	
IFHP 330-SPADE-BD	33.00	10.80	33.0	4.250	137	●
IFHP 3334-SPADE-BD	33.34	10.80	33.0	4.250	137	●
IFHP 335-SPADE-BD	33.50	10.80	33.0	4.250	137	●
IFHP 340-SPADE-BD	34.00	11.60	34.0	4.510	137	●
IFHP 3493-SPADE-BD	34.93	11.60	34.0	4.510	137	●
IFHP 3651-SPADE-BD	36.51	12.40	36.0	4.760	137	●
IFHP 380-SPADE-BD	38.00	14.10	38.0	5.030	137	●
IFHP 381-SPADE-BD	38.10	14.10	38.0	5.030	137	●
IFHP 390-SPADE-BD	39.00	13.40	39.0	5.160	137	●
IFHP 397-SPADE-BD	39.70	13.40	39.0	5.160	137	●

- Intermediate sizes can be supplied on request

(1) Seat size code

QUICKDRILL

The Drilling Concept with a Side Screw Locking Mechanism for Drilling Under Unstable Conditions



Dia. Range: 12mm-25.9mm
Drilling Depth: 3XD & 5XD

YOU Drilling Intelligently?

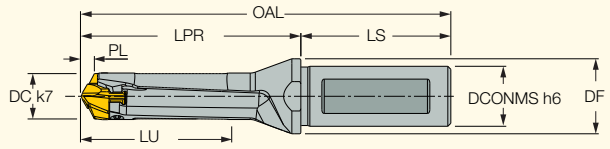
Designed with Screw Locking Mechanism. 2 Symmetrical Slots Ensure Easy Mounting. Suitable for ISO P and ISO K materials.

SCAN ME

LOGIQUICK
MACHINING INTELLIGENTLY

QUICKDRILL

DLN A-3D
Exchangeable Head Drills
with Screw Lock System for
Interrupted Drilling Applications



Designation	DCN[1]	DCX[2]	DCONMS	DF	LU	LPR	PL	LS	OAL	SSC[3]	MIID[4]
DLN 120-036-16A-3D	12.00	12.49	16.00	20.00	38.26	53.0	2.280	48.0	101.00	12.0	ILP 120-2M
DLN 125-037-16A-3D	12.50	12.99	16.00	20.00	39.76	54.5	2.380	48.0	102.50	12.0	ILP 125-2M
DLN 130-039-16A-3D	13.00	13.49	16.00	20.00	41.45	56.6	2.450	48.0	104.60	13.0	ILP 130-2M
DLN 135-041-16A-3D	13.50	13.99	16.00	20.00	42.95	58.1	2.540	48.0	106.10	13.0	ILP 135-2M
DLN 140-042-16A-3D	14.00	14.49	16.00	20.00	44.55	62.2	2.550	48.0	110.15	14.0	ILP 140-2M
DLN 145-044-16A-3D	14.50	14.99	16.00	20.00	46.05	63.7	2.640	48.0	111.65	14.0	ILP 145-2M
DLN 150-045-20A-3D	15.00	15.99	20.00	25.00	47.69	68.7	2.690	50.0	118.73	15.0	ILP 150-2M
DLN 160-048-20A-3D	16.00	16.99	20.00	25.00	50.91	73.3	2.910	50.0	123.30	16.0	ILP 160-2M
DLN 170-051-20A-3D	17.00	17.99	20.00	25.00	54.01	77.9	3.010	50.0	127.90	17.0	ILP 170-2M
DLN 180-054-25A-3D	18.00	18.99	25.00	32.00	57.16	82.5	3.160	56.0	138.50	18.0	ILP 180-2M
DLN 190-057-25A-3D	19.00	19.99	25.00	32.00	60.35	87.0	3.350	56.0	143.00	19.0	ILP 190-2M
DLN 200-060-25A-3D	20.00	20.99	25.00	32.00	63.50	91.6	3.500	56.0	147.60	20.0	ILP 200-2M
DLN 210-063-25A-3D	21.00	21.99	25.00	32.00	66.67	96.2	3.670	56.0	152.18	21.0	ILP 210-2M
DLN 220-066-25A-3D	22.00	22.99	25.00	32.00	69.80	100.8	3.810	56.0	156.76	22.0	ILP 220-2M
DLN 230-069-32A-3D	23.00	23.99	32.00	42.00	72.94	105.3	3.950	60.0	165.33	23.0	ILP 230-2M
DLN 240-072-32A-3D	24.00	24.99	32.00	42.00	76.11	109.9	4.110	60.0	169.90	24.0	ILP 240-2M
DLN 250-075-32A-3D	25.00	25.99	32.00	42.00	79.29	114.5	4.290	60.0	174.50	25.0	ILP 250-2M

- Do not mount smaller drilling heads other than the specified range of the drill body

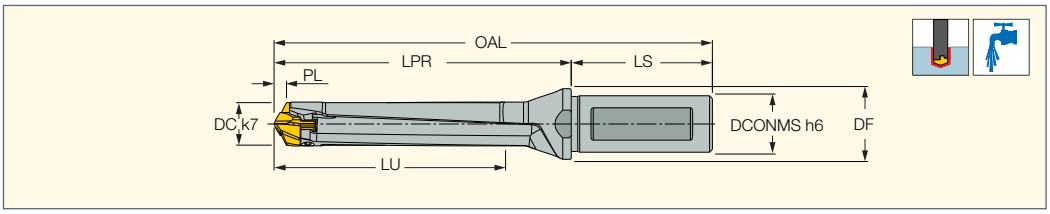
[1] Cutting diameter minimum
[2] Cutting diameter maximum
[3] Seat size code
[4] Master insert identification

Spare Parts

Designation			
DLN 120-036-16A-3D	SR M2.5-L4.5-SL	HW 1.3	
DLN 125-037-16A-3D	SR M2.5-L4.5-SL	HW 1.3	
DLN 130-039-16A-3D	SR M2.5-L5.0-SL	HW 1.3	
DLN 135-041-16A-3D	SR M2.5-L5.0-SL	HW 1.3	
DLN 140-042-16A-3D	SR M3.0-L5.4-SL		L-KEY HEX SL 331 1.5X40MM
DLN 145-044-16A-3D	SR M3.0-L5.4-SL		L-KEY HEX SL 331 1.5X40MM
DLN 150-045-20A-3D	SR M3.0-L5.4-SL		L-KEY HEX SL 331 1.5X40MM
DLN 160-048-20A-3D	SR M3.0-L5.8-SL		L-KEY HEX SL 331 1.5X40MM
DLN 170-051-20A-3D	SR M3.0-L5.8-SL		L-KEY HEX SL 331 1.5X40MM
DLN 180-054-25A-3D	SR M3.0-L6.6-SL		L-KEY HEX SL 331 1.5X40MM
DLN 190-057-25A-3D	SR M3.0-L6.6-SL		L-KEY HEX SL 331 1.5X40MM
DLN 200-060-25A-3D	SR M3.0-L7.4-SL		L-KEY HEX SL 331 1.5X40MM
DLN 210-063-25A-3D	SR M3.0-L7.4-SL		L-KEY HEX SL 331 1.5X40MM
DLN 220-066-25A-3D	SR M4.0-L7.8-SL		L-KEY HEX SL 331 2.0X40MM
DLN 230-069-32A-3D	SR M4.0-L7.8-SL		L-KEY HEX SL 331 2.0X40MM
DLN 240-072-32A-3D	SR M4.0-L8.8-SL		L-KEY HEX SL 331 2.0X40MM
DLN 250-075-32A-3D	SR M4.0-L8.8-SL		L-KEY HEX SL 331 2.0X40MM

QUICKDRILL

DLN A-5D
Exchangeable Head Drills
with Screw Lock System for
Interrupted Drilling Applications



Designation	DCN[1]	DCX[2]	DCONMS	DF	LU	LPR	PL	LS	OAL	SSC[3]	MIID[4]
DLN 120-060-16A-5D	12.00	12.49	16.00	20.00	62.26	77.0	2.280	48.0	125.00	12.0	ILP 120-2M
DLN 125-062-16A-5D	12.50	12.99	16.00	20.00	64.76	79.5	2.380	48.0	127.50	12.0	ILP 125-2M
DLN 130-065-16A-5D	13.00	13.49	16.00	20.00	67.45	82.6	2.450	48.0	130.60	13.0	ILP 130-2M
DLN 135-068-16A-5D	13.50	13.99	16.00	20.00	69.95	85.1	2.540	48.0	133.10	13.0	ILP 135-2M
DLN 140-070-16A-5D	14.00	14.49	16.00	20.00	72.55	90.2	2.550	48.0	138.15	14.0	ILP 140-2M
DLN 145-073-16A-5D	14.50	14.99	16.00	20.00	75.05	92.7	2.640	48.0	140.65	14.0	ILP 145-2M
DLN 150-075-20A-5D	15.00	15.99	20.00	25.00	77.69	98.7	2.690	50.0	148.73	15.0	ILP 150-2M
DLN 160-080-20A-5D	16.00	16.99	20.00	25.00	82.91	105.3	2.910	50.0	155.30	16.0	ILP 160-2M
DLN 170-085-20A-5D	17.00	17.99	20.00	25.00	88.01	111.9	3.010	50.0	161.90	17.0	ILP 170-2M
DLN 180-090-25A-5D	18.00	18.99	25.00	32.00	93.16	118.5	3.160	56.0	174.50	18.0	ILP 180-2M
DLN 190-095-25A-5D	19.00	19.99	25.00	32.00	98.35	125.0	3.350	56.0	181.00	19.0	ILP 190-2M
DLN 200-100-25A-5D	20.00	20.99	25.00	32.00	103.50	131.6	3.500	56.0	187.60	20.0	ILP 200-2M
DLN 210-105-25A-5D	21.00	21.99	25.00	32.00	108.67	138.2	3.670	56.0	194.18	21.0	ILP 210-2M
DLN 220-110-25A-5D	22.00	22.99	25.00	32.00	113.80	144.8	3.810	56.0	200.76	22.0	ILP 220-2M
DLN 230-115-32A-5D	23.00	23.99	32.00	42.00	118.94	151.3	3.950	60.0	211.33	23.0	ILP 230-2M
DLN 240-120-32A-5D	24.00	24.99	32.00	42.00	124.11	157.9	4.110	60.0	217.90	24.0	ILP 240-2M
DLN 250-125-32A-5D	25.00	25.99	32.00	42.00	129.29	164.5	4.290	60.0	224.50	25.0	ILP 250-2M

- Do not mount smaller drilling heads other than the specified range of the drill body

[1] Cutting diameter minimum
[2] Cutting diameter maximum
[3] Seat size code
[4] Master insert identification

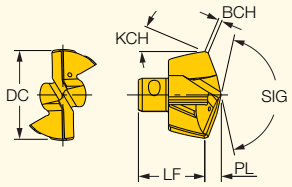
Spare Parts

Designation			
DLN 120-060-16A-5D	SR M2.5-L4.5-SL	HW 1.3	
DLN 125-062-16A-5D	SR M2.5-L4.5-SL	HW 1.3	
DLN 130-065-16A-5D	SR M2.5-L5.0-SL	HW 1.3	
DLN 135-068-16A-5D	SR M2.5-L5.0-SL	HW 1.3	
DLN 140-070-16A-5D	SR M3.0-L5.4-SL		L-KEY HEX SL 331 1.5X40MM
DLN 145-073-16A-5D	SR M3.0-L5.4-SL		L-KEY HEX SL 331 1.5X40MM
DLN 150-075-20A-5D	SR M3.0-L5.4-SL		L-KEY HEX SL 331 1.5X40MM
DLN 160-080-20A-5D	SR M3.0-L5.8-SL		L-KEY HEX SL 331 1.5X40MM
DLN 170-085-20A-5D	SR M3.0-L5.8-SL		L-KEY HEX SL 331 1.5X40MM
DLN 180-090-25A-5D	SR M3.0-L6.6-SL		L-KEY HEX SL 331 1.5X40MM
DLN 190-095-25A-5D	SR M3.0-L6.6-SL		L-KEY HEX SL 331 1.5X40MM
DLN 200-100-25A-5D	SR M3.0-L7.4-SL		L-KEY HEX SL 331 1.5X40MM
DLN 210-105-25A-5D	SR M3.0-L7.4-SL		L-KEY HEX SL 331 1.5X40MM
DLN 220-110-25A-5D	SR M4.0-L7.8-SL		L-KEY HEX SL 331 2.0X40MM
DLN 230-115-32A-5D	SR M4.0-L7.8-SL		L-KEY HEX SL 331 2.0X40MM
DLN 240-120-32A-5D	SR M4.0-L8.8-SL		L-KEY HEX SL 331 2.0X40MM
DLN 250-125-32A-5D	SR M4.0-L8.8-SL		L-KEY HEX SL 331 2.0X40MM

LOGIQUICK MACHINING INTELLIGENTLY

QUICKDRILL

ILP
Exchangeable Drilling Heads
for DLN Drills, for Machining
ISO P and ISO K Materials



Designation	Dimensions							IC908
	DC	PL	LF	SIG	KCH	BCH	SSC(1)	
ILP 120-2M	12.00	2.280	4.72	140	30.0	0.70	12.0	●
ILP 125-2M	12.50	2.380	4.63	140	30.0	0.70	12.0	●
ILP 130-2M	13.00	2.450	5.15	140	30.0	0.70	13.0	●
ILP 135-2M	13.50	2.540	5.06	140	30.0	0.70	13.0	●
ILP 140-2M	14.00	2.550	5.60	140	30.0	0.70	14.0	●
ILP 145-2M	14.50	2.640	5.51	140	30.0	0.70	14.0	●
ILP 150-2M	15.00	2.690	6.04	140	30.0	0.70	15.0	●
ILP 155-2M	15.50	2.780	5.95	140	30.0	0.70	15.0	●
ILP 160-2M	16.00	2.910	6.39	140	30.0	0.70	16.0	●
ILP 165-2M	16.50	2.950	6.30	140	30.0	0.70	16.0	●
ILP 169-2M	16.90	3.200	6.14	140	30.0	0.70	16.0	●
ILP 170-2M	17.00	3.010	6.89	140	30.0	0.70	17.0	●
ILP 175-2M	17.50	3.100	6.80	140	30.0	0.70	17.0	●
ILP 180-2M	18.00	3.160	7.34	140	30.0	0.70	18.0	●
ILP 185-2M	18.50	3.250	7.25	140	30.0	0.70	18.0	●
ILP 190-2M	19.00	3.350	7.65	140	30.0	0.70	19.0	●
ILP 195-2M	19.50	3.440	7.56	140	30.0	0.70	19.0	●
ILP 200-2M	20.00	3.500	8.10	140	30.0	0.70	20.0	●
ILP 205-2M	20.50	3.600	8.01	140	30.0	0.70	20.0	●
ILP 210-2M	21.00	3.670	8.51	140	30.0	0.70	21.0	●
ILP 215-2M	21.50	3.760	8.42	140	30.0	0.70	21.0	●
ILP 220-2M	22.00	3.810	8.96	140	30.0	0.70	22.0	●
ILP 225-2M	22.50	3.900	8.86	140	30.0	0.70	22.0	●
ILP 230-2M	23.00	3.950	9.39	140	30.0	0.70	23.0	●
ILP 235-2M	23.50	4.040	9.29	140	30.0	0.70	23.0	●
ILP 240-2M	24.00	4.110	9.79	140	30.0	0.70	24.0	●
ILP 245-2M	24.50	4.200	9.70	140	30.0	0.70	24.0	●
ILP 250-2M	25.00	4.290	10.21	140	30.0	0.70	25.0	●
ILP 255-2M	25.50	4.380	10.12	140	30.0	0.70	25.0	●

(1) Seat size code

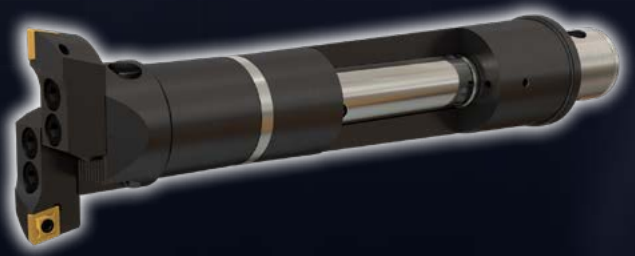
WHISPERLINE

Anti-Vibration Holders with Exchangeable Heads for Deep Boring Applications

Internal Coolant Supply for Effective Chip Evacuation in Deep Boring.

YOU Boring Intelligently?

Anti Vibration Shank up to 10xD. MB40 - MB80 Connections with a Long Overhang for Roughing and Finishing.

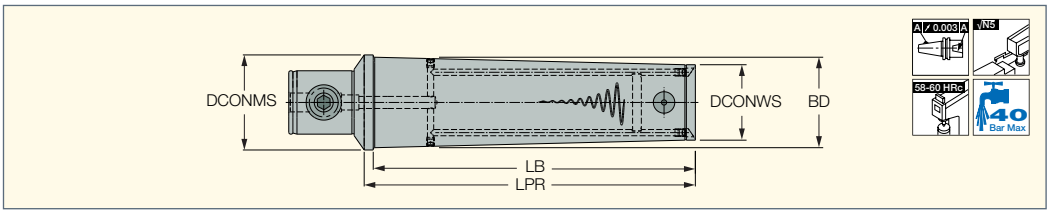


SCAN ME

LOGIQUICK
MACHINING INTELLIGENTLY

WHISPERLINE

AV-RE-MB
MB Modular System Anti Vibration Reducers

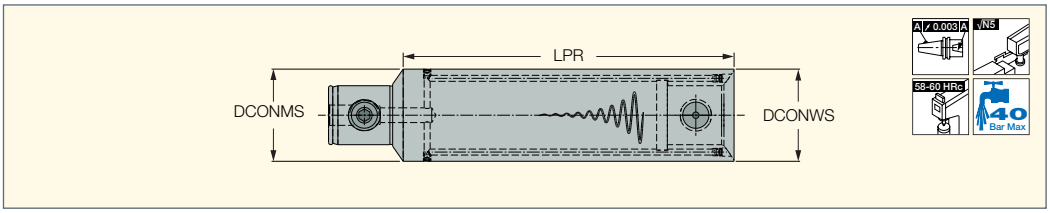


Designation	DCONMS	DCONWS	LPR	BD	LB	kg
AV RE MB50 MB40X176	50.00	40.00	176.00	47.00	170.0	3.67
AV RE MB63 MB50X220	63.00	50.00	220.00	60.00	214.0	4.66
AV RE MB80 MB63X280	80.00	63.00	280.00	77.00	272.0	8.40

- Verify that the weight of the entire tool assembly does not exceed the machine spindle's carrying capability.

WHISPERLINE

AV-EX-MB
MB Modular System Anti Vibration Extensions



Designation	DCONMS	DCONWS	LPR	kg
AV EX MB50X180	50.00	50.00	180.00	4.29
AV EX MB63X230	63.00	63.00	230.00	6.54
AV EX MB80X280	80.00	80.00	280.00	8.70

- Verify that the weight of the entire tool assembly does not exceed the machine spindle's carrying capability.


ER 32 TOP

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