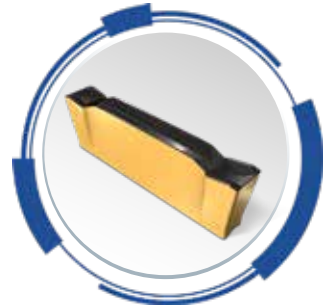


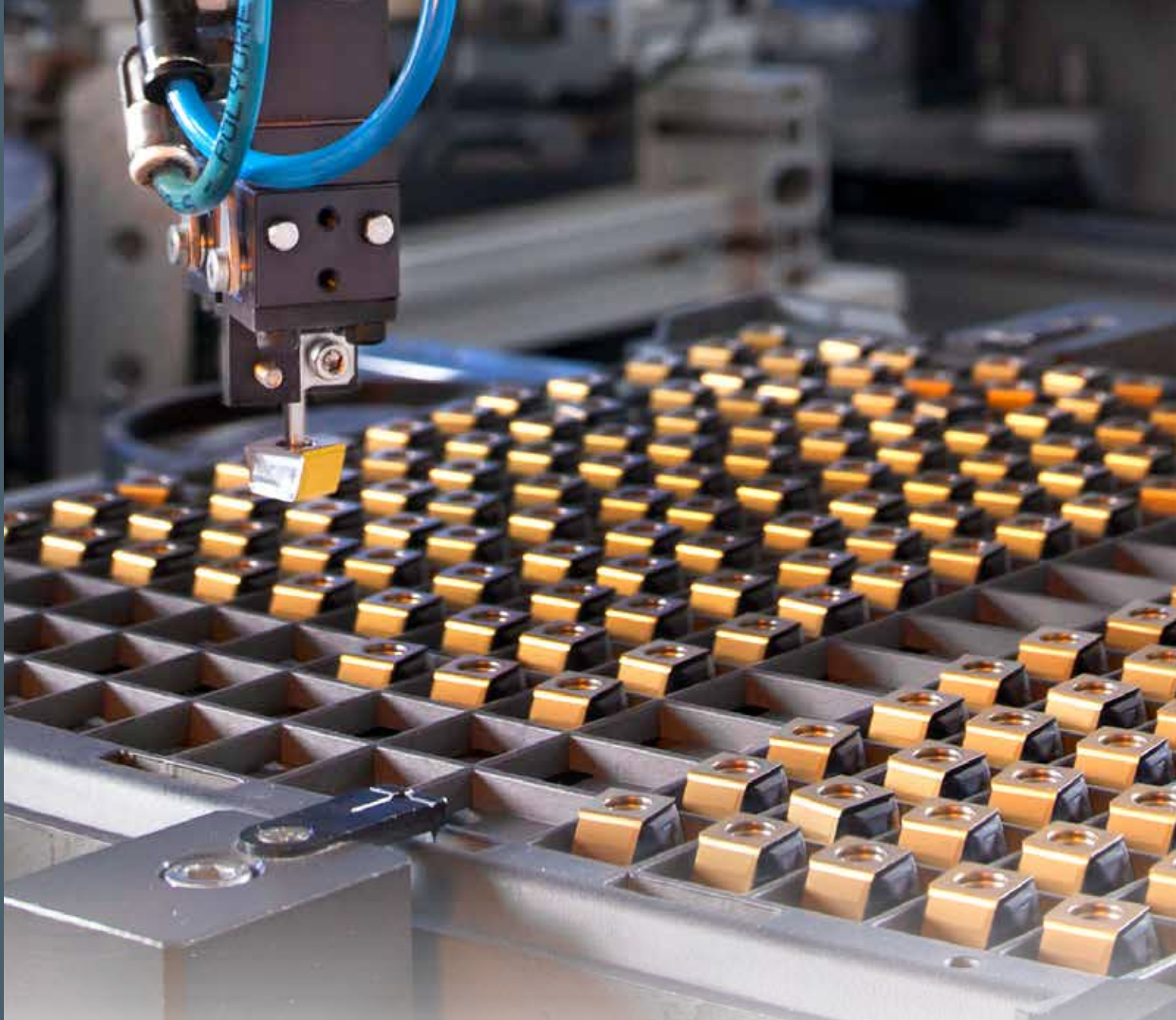
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Inch Catalog



TURNING **IN** **INDUSTRY 4.0**
TELLIGENTLY





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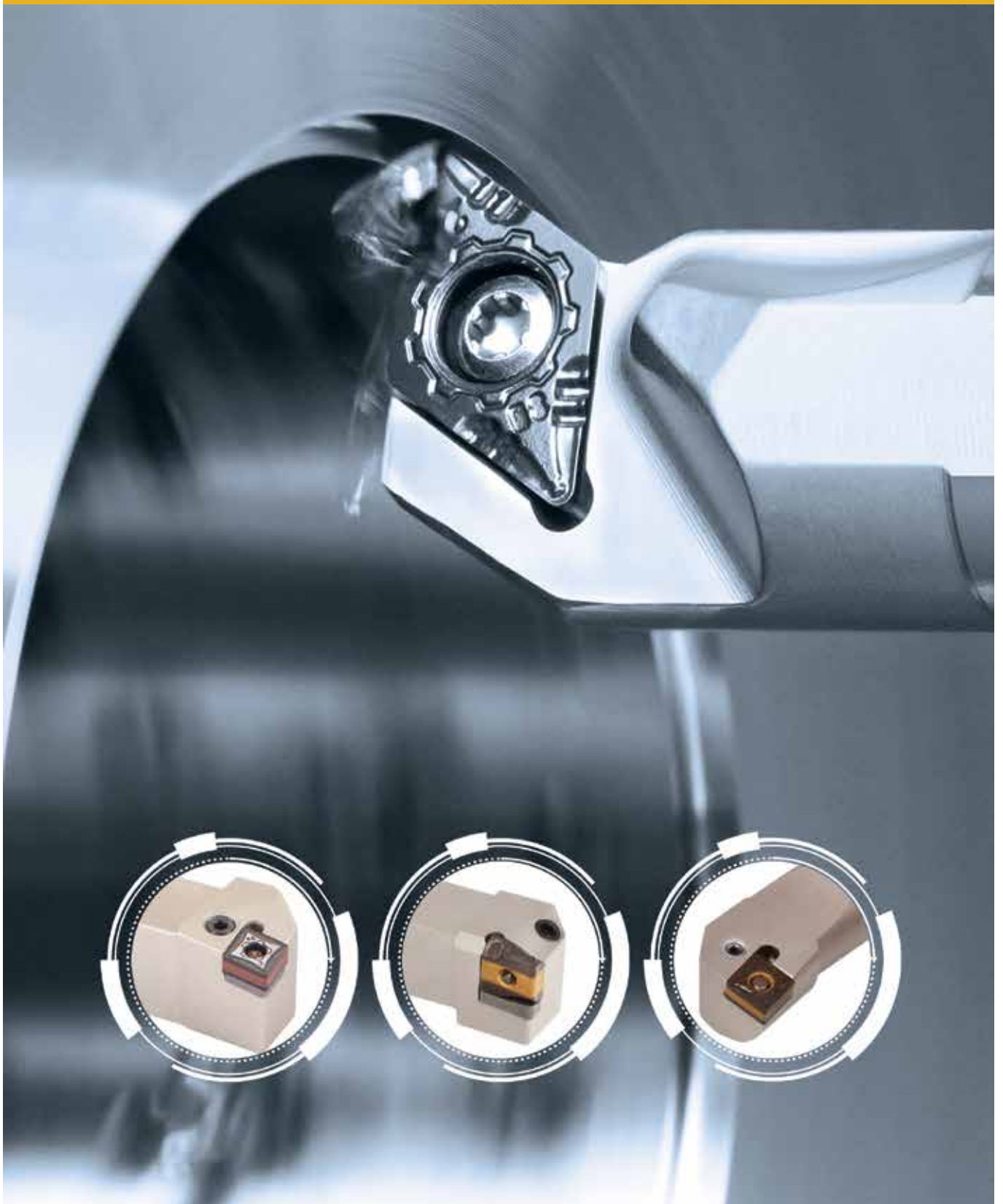
ISOTURN Tools and Inserts



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ISOTURN TOOLS



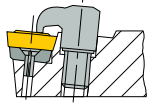
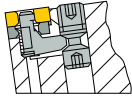
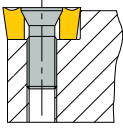
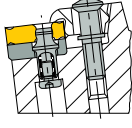
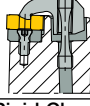
Toolholder Identification System

Toolholder	M	W	L	N	R	20	-	4	W
	2	3	4	5	6	7-8		9	10
Boring Bar	S	M	W	L	N	20	-	4	W
	1	2	3	4	5	7-8		9	10

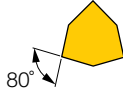

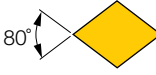
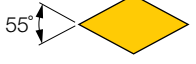
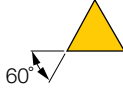


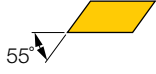


1 Boring Bar

S	Steel Shank
A	Coolant Through Steel Shank
C	Solid Carbide Shank
E	Coolant Through Carbide Shank

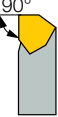
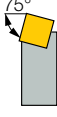














2 Clamping System

C		P	
	Top Clamp Iscadex		Lever Lock
S		M...W	
	SC-Screw Clamping		Top Wedge Lock
D			
	Rigid Clamp		

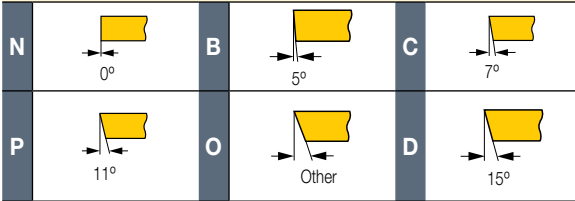
3 Insert Shape

W		V	
C		D	
T		S	
R		K	
L		Q	

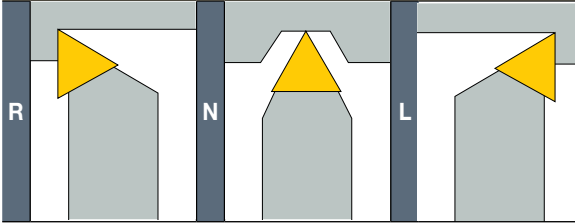
4 Approach Angle

A		B		D		E	
F		G		J		K	
L		N		Q		R	
S		U		V		X	

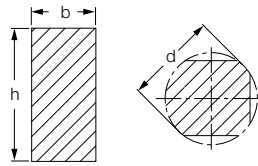
5 Insert Clearance Angle



6 Hand of Tool



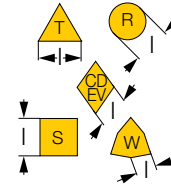
7 - 8 Bar Diameter



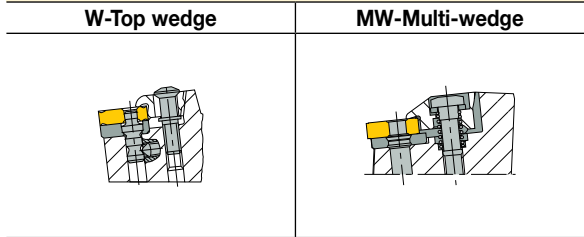
Digits	Size (inch)		
	b	h	d
05	.312	.312	
06	.375	.375	
08	.500	.500	
10	.625	.625	
12	.750	.750	
16	1.000	1.000	
20	1.250	1.250	
24	1.500	1.500	
85	1.000	1.250	
86	1.000	1.500	
06			.375
08			.500
10			.625
12			.750
16			1.000
20			1.250
24			1.500

9 Insert Size

Cutting edge length

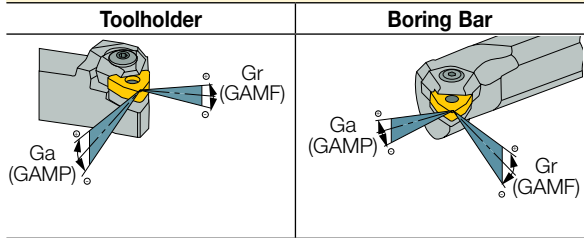


10 Wedge Lock



S- for Swiss-type machines

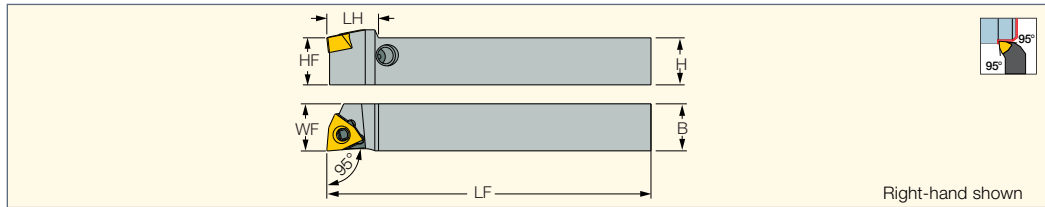
Axial Ga and Radial Gr Rake angles



ISOTURN

PWLNRL/L-S

Lever Lock External Turning
Tools Carrying WNGP 22..
Double-Sided Trigon Inserts



Designation	H	HF	B	LF	LH	WF	Insert
PWLNRL/L 1010X-04S	.394	.394	.394	4.724	.433	.394	WNGP 04
PWLNRL/L 1212F-04S	.472	.472	.472	3.346	.433	.472	WNGP 04
PWLNRL/L 1212X-04S	.472	.472	.472	4.724	.433	.472	WNGP 04
PWLNRL/L 1616X-04S	.630	.630	.630	4.724	.512	.630	WNGP 04

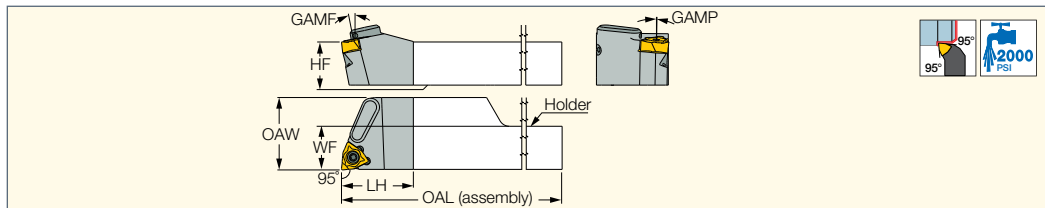
• Use a left-hand insert on a right-hand tool and vice versa.
For inserts, see pages: WNGP-F2M (128) • WNGP-F2P (125)

Spare Parts

Designation				
PWLNRL/L-S	SR 10400611	HW 2.0/5	SL LV-2	SL PI-2 PIN

NEOSWISS
INDEXABLE HEADS
MINIPTURN
POSITIVE DOUBLE SIDED

NQCH-SWLNRL/L-S-JHP
Screw Lock JETCUT Modular
Heads Carrying Positive
Double-Sided Trigon Inserts
for Swiss-Type Machines



Designation	WF	HF	LH	OAL	OAW	GAMP	GAMF	Insert
NQCH12-SWLNRL-04S-JHP	.478	.472	.787	4.724	.793	11.0	1.0	WNGP 0403#(22#)
NQCH16-SWLNRL-04S-JHP	.636	.630	.787	4.724	.793	11.0	1.0	WNGP 0403#(22#)

For inserts, see pages: WNGP-F2M (128) • WNGP-F2P (125)
For holders, see pages: NQCH-JHP (60)

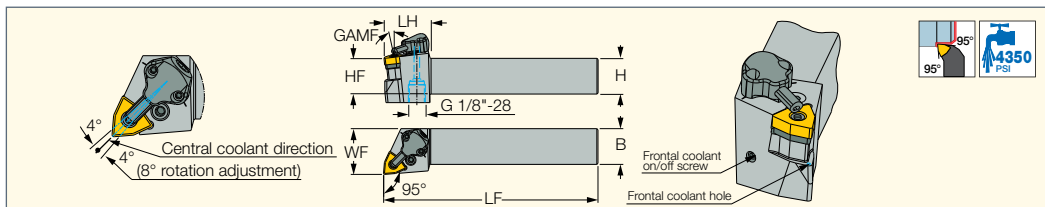
Spare Parts

Designation		
NQCH-SWLNRL/L-S-JHP	SR 34-514	T-7/5

ISOTURN JETCUT

PWLNRL/L-4-JHP

Lever Lock Toolholders for
Trigon Inserts with Channels
for High Pressure Coolant



Designation	H	HF	B	LF	LH	WF	GAMP	GAMF	Insert
PWLNRL/L 16-4-JHP	1.000	1.000	1.000	6.000	1.300	1.250	-6.0	-6.0	WNMG 43..

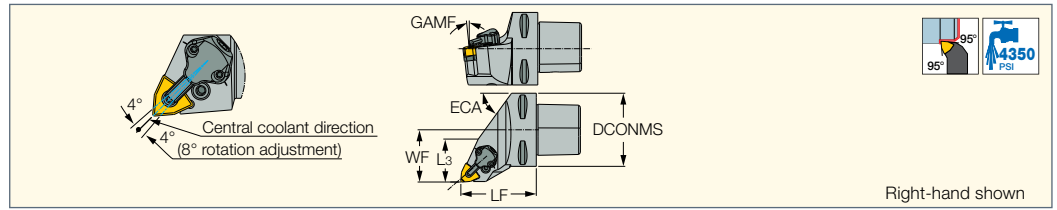
• For user guide see pages 6-7, 76-82
For inserts, see pages: WNMG-CERMET (126) • WNMG-F3S (129) • WNMG-F3P (125) • WNMG-M3P (126) • WNMG-F3M (128) • WNMG-M3M (129)
• WNMG-TF (132) • WNMG-GN (133) • WNMG-NR (133) • WNMG-PP (132) • WNMG-VL (131) • WNMG-TNM (134) • WNMG-NF (130) • WNMM-NM (133)
• WNMG-WF (131) • WNMA/WNMA-WG (134) • WNMG-WG (131) • WNGA-Ceramic (216) • WNGA-M3 (CBN) (226) • WNGA-MC/M6 (CBN) (226)

Spare Parts

Designation											
PWLNRL 16-4-JHP	TWN 423	SP 4	PN 3-4		SR 117-2010	T-8/5	SR M4X4 DIN913 TL360	CU-CW-JHP	HW 2.0	HW 3.0	HW 5.0
PWLNRL 16-4-JHP	TWN 423	SP 4	PN 3-4	LR 4	SR 117-2010	T-8/5	SR M4X4 DIN913 TL360	CU-CW-JHP	HW 2.0	HW 3.0	HW 5.0

ISOTURN JETCUT CAMFIX

C#-PWLNR/L-08-JHP
Lever Lock Tools with CAMFIX
Exchangeable Shanks and
Channels for High-Pressure
Coolant Carrying Trigon Inserts



Designation	DCONMS	WF	OHN ⁽¹⁾	L3	ECA	GAMF	Insert	CP ⁽²⁾	CDI ⁽³⁾
C6 PWLNR/L-45065-08-JHP	2.480	1.772	2.559	1.457	55.0	-6.0	WNMG 43..	4350	1

• For user guide, see pages 6-7, 76-82, 677

⁽¹⁾ Minimum overhang

⁽²⁾ Coolant pressure (PSI)

⁽³⁾ 1 - Hole for data chip, 0 - Without hole for data chip

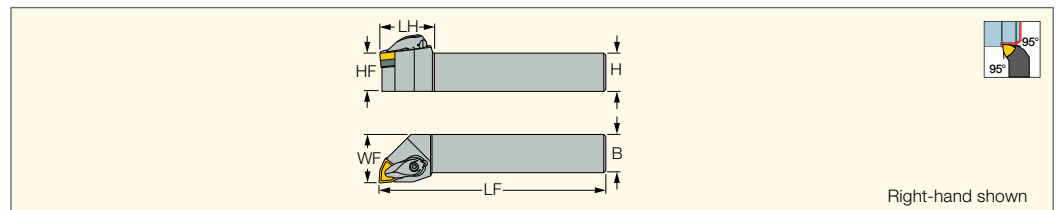
For inserts, see pages: WNMG-CERMET (126) • WNMG-F3S (129) • WNMG-F3P (125) • WNMG-M3P (126) • WNMG-F3M (128) • WNMG-M3M (129) • WNMG-TF (132) • WNMG-GN (133) • WNMG-NR (133) • WNMG-PP (132) • WNMG-VL (131) • WNMG-TNM (134) • WNMG-NF (130) • WNMG-NM (133) • WNMG-WF (131) • WNMA/WNMA-WG (134) • WNMG-WG (131) • WNGA-Ceramic (216) • WNGA-M3 (CBN) (226) • WNGA-MC/M6 (CBN) (226)

Spare Parts

Designation										
C#-PWLNR/L-08-JHP	TWN 423	SP 4	LR 4	SR 117-2010	T-8/5	PN 3-4	CU-CW-JHP	OR 6.4X0.9N	HW 3.0	LR 4DHTL (MR INJ)*

ISOTURN

DWLNR/L
External 95° Lead Tools
Carrying the Negative
WNMG Trigon Inserts



Designation	H	HF	B	LF	LH	WF	GAMP	GAMF	Insert
DWLNR/L 10-3A	.625	.625	.625	4.000	.980	.750	-6.0	-6.0	WNMG 33.
DWLNR/L 12-3B	.750	.750	.750	4.500	.940	1.000	-6.0	-6.0	WNMG 33.
DWLNR/L 16-3D	1.000	1.000	1.000	6.000	.940	1.250	-6.0	-6.0	WNMG 33.
DWLNR/L 12-4	.750	.750	.750	4.500	1.400	1.000	-6.0	-6.0	WNMG 43.
DWLNR/L 16-4	1.000	1.000	1.000	6.000	1.400	1.250	-6.0	-6.0	WNMG 43.
DWLNR/L 20-4	1.250	1.250	1.250	6.000	1.400	1.500	-6.0	-6.0	WNMG 43.

For inserts, see pages: WNMG-F3S (129) • WNMG-M3/4MW (135) • WNMG-M3/4PW (135) • WNMG-F3P (125) • WNMG-M3P (126) • WNMG-CERMET (126) • WNMG-F3N (208) • WNMG-F3M (128) • WNMG-M3M (129) • WNMG-TF (132) • WNMG-GN (133) • WNMG-NR (133) • WNMG-PP (132) • WNMG-VL (131) • WNMG-TNM (134) • WNMG-SF (130) • WNMG-NF (130) • WNMG-NM (133) • WNMG-WF (131) • WNMA/WNMA-WG (134) • WNMG-WG (131) • WNGA-Ceramic (216) • WNGA-M3 (CBN) (226) • WNGA-MC/M6 (CBN) (226)

Spare Parts

Designation									
DWLNL 10-3A	RWT 322	RWT 3-2 ^(b) *		SR 40090I	LCGR-3	SR RC3	KSP 3		HW 2.5
DWLNR 10-3A	RWT 322	RWT 3-2 ^(b) *		SR 40090I	LCGR-3	SR RC3	KSP 3		HW 2.5
DWLNL 12-3B	RWT 322	RWT 3-2 ^(b) *		SR 40090I	LCGR-3	SR RC3	KSP 3		HW 2.5
DWLNR 12-3B	RWT 322	RWT 3-2 ^(b) *		SR 40090I	LCGR-3	SR RC3	KSP 3		HW 2.5
DWLNL 16-3D	RWT 322	RWT 3-2 ^(b) *		SR 40090I	LCGR-3	SR RC3	KSP 3		HW 2.5
DWLNR 16-3D	RWT 322	RWT 3-2 ^(b) *		SR 40090I	LCGR-3	SR RC3	KSP 3		HW 2.5
DWLNL 12-4	RWT 443	RWT 443-TNM ^(a) *	TWH 4 ^(c) *	SR 14-506 M4X0.7	LCGR-4	SR 10400270-25.5		T-15/5	
DWLNR 12-4	RWT 443	RWT 443-TNM ^(a) *	TWH 4 ^(c) *	SR 14-506 M4X0.7	LCGR-4	SR 10400270-25.5		T-15/5	
DWLNL 16-4	RWT 443	RWT 443-TNM ^(a) *	TWH 4 ^(c) *	SR 14-506 M4X0.7	LCGR-4	SR 10400270-25.5		T-15/5	
DWLNR 16-4	RWT 443	RWT 443-TNM ^(a) *	TWH 4 ^(c) *	SR 14-506 M4X0.7	LCGR-4	SR 10400270-25.5		T-15/5	
DWLNL 20-4	RWT 443	RWT 443-TNM ^(a) *	TWH 4 ^(c) *	SR 14-506 M4X0.7	LCGR-4	SR 10400270-25.5		T-15/5	
DWLNR 20-4	RWT 443	RWT 443-TNM ^(a) *	TWH 4 ^(c) *	SR 14-506 M4X0.7	LCGR-4	SR 10400270-25.5		T-15/5	

* Optional, should be ordered separately

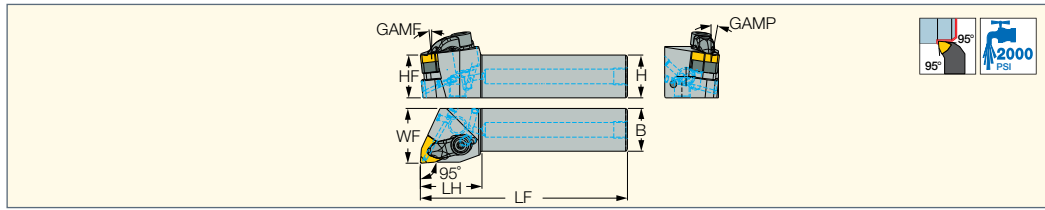
^(a) RWT 3-2 seat, for WNMG 3... insert

^(b) RWT 443-TNM seat, for WNMG 43...-TNM insert

^(c) TWH 4 seat, for WNMG 45... insert



DWLNR/L-JHP-MC
Rigid Clamp Tools with Channels
for High Pressure Coolant
Carrying the 80° Trigon Inserts



Designation	B	HF	LF	LH	WF	GAMP	GAMF	Insert
DWLNR/L 12-4-JHP-MC	.750	.750	4.500	1.417	1.000	6.0	6.0	WNMG 43..
DWLNR/L 16-4-JHP-MC	1.000	1.000	6.000	1.417	1.250	6.0	6.0	WNMG 43..

For inserts, see pages: WNGA-Ceramic (216) • WNGA-M3 (CBN) (226) • WNGA-MC/M6 (CBN) (226) • WNMA/WNMA-WG (134) • WNMG-CERMET (126)
• WNMG-F3M (128) • WNMG-F3P (125) • WNMG-F3S (129) • WNMG-GN (133) • WNMG-M3M (129) • WNMG-M3P (126) • WNMG-NF (130) • WNMG-NR (133)
• WNMG-PP (132) • WNMG-TF (132) • WNMG-TNM (134) • WNMG-VL (131) • WNMG-WF (131) • WNMG-WG (131) • WNMN-NM (133) • WNMX-M3/4MW (135)
• WNMX-M3/4PW (135)

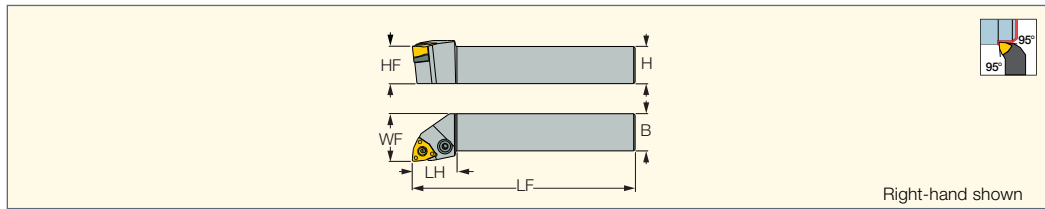
Spare Parts

Designation										
DWLNL 12-4-JHP-MC	RWT 443 ^(a)	TWH 4 ^{(b)*}	RWT 443-TNM ^{(c)*}	LCGR/L-4JC SET	SR 14-506 M4X0.7	PLG G1/8 TL360	SR M4X4 DIN913 TL360	OR 4X3 NBR70	SR M6X6 DIN913 TL360	
DWLNR 12-4-JHP-MC	RWT 443 ^(a)	TWH 4 ^{(b)*}	RWT 443-TNM ^{(c)*}	LCGR/L-4JC SET	SR 14-506 M4X0.7	PLG G1/8 TL360	SR M4X4 DIN913 TL360	OR 4X3 NBR70	SR M6X6 DIN913 TL360	
DWLNL 16-4-JHP-MC	RWT 443 ^(a)	TWH 4 ^{(b)*}	RWT 443-TNM ^{(c)*}	LCGR/L-4JC SET	SR 14-506 M4X0.7	PLG G1/8 TL360	SR M4X4 DIN913 TL360	OR 4X3 NBR70	SR M6X6 DIN913 TL360	
DWLNR 16-4-JHP-MC	RWT 443 ^(a)	TWH 4 ^{(b)*}	RWT 443-TNM ^{(c)*}	LCGR/L-4JC SET	SR 14-506 M4X0.7	PLG G1/8 TL360	SR M4X4 DIN913 TL360	OR 4X3 NBR70	SR M6X6 DIN913 TL360	

* Optional, should be ordered separately
^(a) For WNMG 43..inserts
^(b) For WNMX 45..inserts
^(c) For WNMG 43.. - TNM

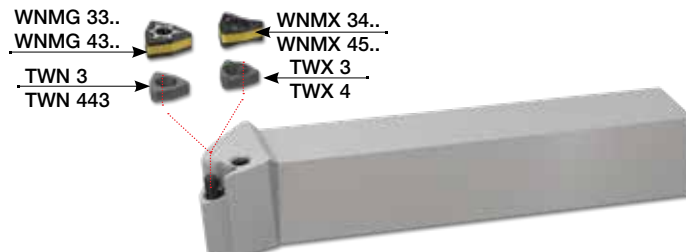


PWLNR/L-X
Lever Lock External Turning
Tools Carrying the HELITURN LD
WNMX or WNMG Trigon Inserts



Designation	H	HF	B	LF	LH	WF	GAMP	GAMF	Insert
PWLNR/L 12-3X ⁽¹⁾	.750	.750	.750	4.500	1.000	1.250	-6.0	-6.0	WNMX 34. WNMG 33.
PWLNR/L 16-3X ⁽¹⁾	1.000	1.000	1.000	6.000	1.000	1.250	-6.0	-6.0	WNMX 34. WNMG 33.
PWLNR/L 16-4X ⁽²⁾	1.000	1.000	1.000	6.000	1.180	1.250	-6.0	-6.0	WNMX 45. WNMG 43.
PWLNL 20-4X ⁽²⁾	1.250	1.250	1.250	7.000	1.180	1.250	-6.0	-6.0	WNMX 45. WNMG 43.
PWLNR 20-4X ⁽²⁾	1.250	1.250	1.250	7.000	1.180	1.500	-6.0	-6.0	WNMX 45. WNMG 43.

⁽¹⁾ Supplied with TWX 3 seat for WNMX 34. inserts and TWN 3 seat for WNMG 33. inserts.
⁽²⁾ Supplied with TWX 4 seat for WNMX 45. inserts and TWN 443 seat for WNMG 43. inserts.
For inserts, see pages: WNGG-F3N (208) • WNMG-CERMET (126) • WNMG-F3S (129) • WNMG-F3P (125) • WNMG-M3P (126) • WNMX-M3/4PW (135)
• WNMG-F3M (128) • WNMG-M3M (129) • WNMX-M3/4MW (135) • WNMG-TF (132) • WNMG-GN (133) • WNMG-NR (133) • WNMG-PP (132) • WNMG-VL (131)
• WNMG-TNM (134) • WNMG-NF (130) • WNMN-NM (133) • WNMG-WF (131) • WNMA/WNMA-WG (134) • WNMG-WG (131) • WNGA-Ceramic (216)
• WNGA-M3 (CBN) (226) • WNGA-MC/M6 (CBN) (226)



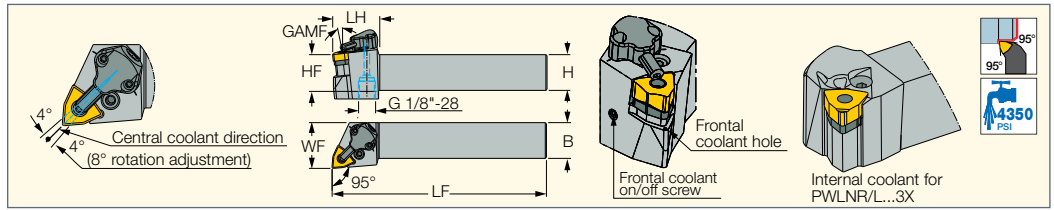
Spare Parts

Designation								
PWLNL 12-3X	TWX 3	TWN 3	SP 3	LR 3	SR 117-2014	HW 2.5	PN 3-4	
PWLNR 12-3X	TWX 3	TWN 3	SP 3	LR 3	SR 117-2014	HW 2.5	PN 3-4	
PWLNL 16-3X	TWX 3	TWN 3	SP 3	LR 3	SR 117-2014	HW 2.5	PN 3-4	
PWLNR 16-3X	TWX 3	TWN 3	SP 3	LR 3	SR 117-2014	HW 2.5	PN 3-4	
PWLNL 16-4X	TWX 4	TWN 443	SP 4	LR 4DH	SR 117-2010	HW 3.0	PN 3-4L	LR 4DHTL (MR INJ)*
PWLNR 16-4X	TWX 4	TWN 443	SP 4	LR 4DH	SR 117-2010	HW 3.0	PN 3-4L	LR 4DHTL (MR INJ)*
PWLNL 20-4X	TWX 4	TWN 443	SP 4	LR 4DH	SR 117-2010	HW 3.0	PN 3-4L	LR 4DHTL (MR INJ)*
PWLNR 20-4X	TWX 4	TWN 443	SP 4	LR 4DH	SR 117-2010	HW 3.0	PN 3-4L	LR 4DHTL (MR INJ)*

* Optional, should be ordered separately

PWLNRL-X-JHP

Lever Lock Tools with Channels for High Pressure Coolant Carrying the HELITURN LD WNMX or WNMG Trigon Inserts



Designation	H	HF	B	LF	LH	WF	GAMP	GAMF	Insert
PWLNRL 12-3X-JHP (1)	.750	.750	.750	4.500	1.000	1.250	-6.0	-6.0	WNMX 34. WNMG 33.
PWLNRL 16-3X-JHP (1)	1.000	1.000	1.000	6.000	1.000	1.250	-6.0	-6.0	WNMX 34. WNMG 33.
PWLNRL 16-4X-JHP (2)	1.000	1.000	1.000	6.000	1.300	1.250	-6.0	-6.0	WNMX 45. WNMG 43.
PWLNRL 20-4X-JHP (2)	1.250	1.250	1.250	6.000	1.300	1.500	-6.0	-6.0	WNMX 45. WNMG 43.

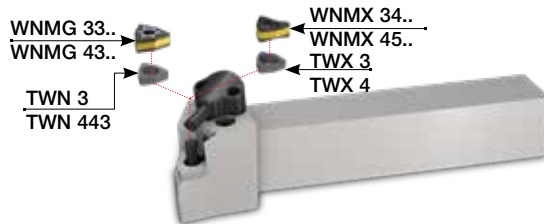
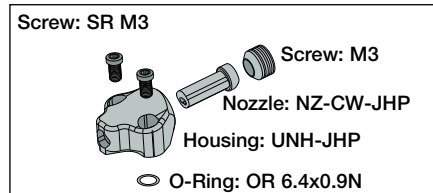
• For user guide, see pages 6-7, 76-82

(1) Supplied with TWX 3 seat for WNMX 34. inserts and TWN 3 seat for WNMG 33. inserts.

(2) Supplied with TWX 4 seat for WNMX 45. inserts and TWN 443 seat for WNMG 43. inserts.

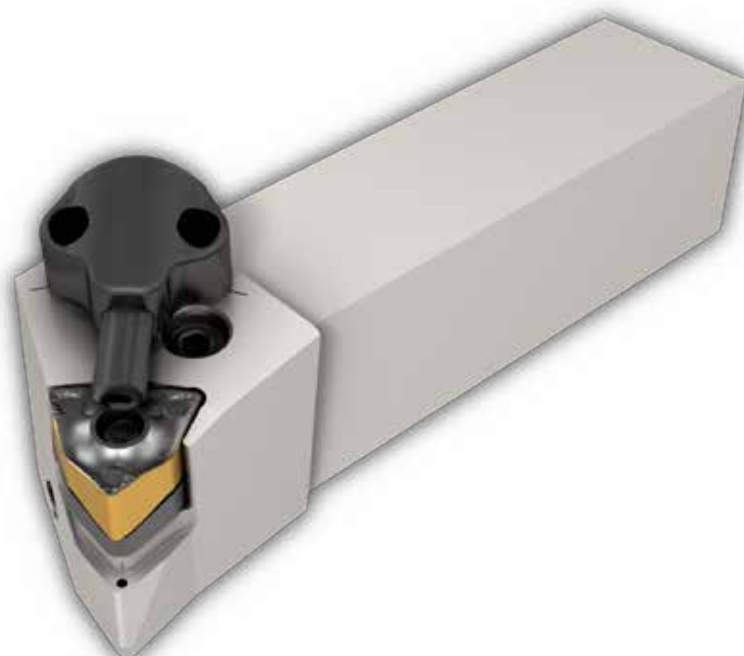
For inserts, see pages: WNGG-F3N (208) • WNMG-CERMET (126) • WNMG-F3S (129) • WNMG-F3P (125) • WNMG-M3P (126) • WNMX-M3/4PW (135) • WNMG-F3M (128) • WNMG-M3M (129) • WNMX-M3/4MW (135) • WNMG-TF (132) • WNMG-GN (133) • WNMG-NR (133) • WNMG-PP (132) • WNMG-VL (131) • WNMG-TNM (134) • WNMG-NF (130) • WNMG-NM (133) • WNMG-WF (131) • WNMG-WG (131) • WNGA-Ceramic (216) • WNGA-M3 (CBN) (226) • WNGA-MC/M6 (CBN) (226)

CU-CW-JHP



Spare Parts

Designation												
PWLNRL 12-3X-JHP	TWX 3	TWN 3	SP 3	LR 3	SR 117-2014	PN 3-4						HW 2.5
PWLNRL 12-3X-JHP	TWX 3	TWN 3	SP 3	LR 3	SR 117-2014	PN 3-4						HW 2.5
PWLNRL 16-3X-JHP	TWX 3	TWN 3	SP 3	LR 3	SR 117-2014	PN 3-4						HW 2.5
PWLNRL 16-3X-JHP	TWX 3	TWN 3	SP 3	LR 3	SR 117-2014	PN 3-4						HW 2.5
PWLNRL 16-4X-JHP	TWX 4	TWN 443	SP 4	LR 4DH	SR 117-2010	PN 3-4L	CU-CW-JHP	OR 6.4X0.9N	T-8/5	LR 4DHTL (MR INJ)*	HW 2.0	HW 3.0
PWLNRL 16-4X-JHP	TWX 4	TWN 443	SP 4	LR 4DH	SR 117-2010	PN 3-4L	CU-CW-JHP		T-8/5	LR 4DHTL (MR INJ)*	HW 2.0	HW 3.0
PWLNRL 20-4X-JHP	TWX 4	TWN 443	SP 4	LR 4DH	SR 117-2010	PN 3-4L	CU-CW-JHP	OR 6.4X0.9N	T-8/5	LR 4DHTL (MR INJ)*	HW 2.0	HW 3.0
PWLNRL 20-4X-JHP	TWX 4	TWN 443	SP 4	LR 4DH	SR 117-2010	PN 3-4L	CU-CW-JHP	OR 6.4X0.9N	T-8/5	LR 4DHTL (MR INJ)*	HW 2.0	HW 3.0



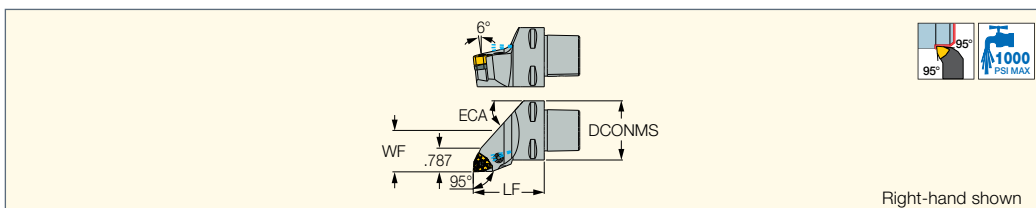
HELITURN LD**CAMFIX****C#-PWLNR/L-X**

Lever Lock Tools with CAMFIX

Shanks Carrying

HELITURN LD WNMX

or WNMG Inserts



Right-hand shown

Designation	DCONMS	WF	OHN ⁽³⁾	ECA	GAMF	Insert	CP ⁽⁴⁾	CDI ⁽⁵⁾
C4 PWLNR/L-27050-06X ⁽¹⁾	1.575	1.063	1.968	45.0	6.0	WNMX 0606, WNMG 0604	1015	1
C5 PWLNL-25060-06X ⁽¹⁾	1.968	.984	2.362	48.0	6.0	WNMX 0606, WNMG 0604	1015	1
C4 PWLNR/L-27050-08X ⁽²⁾	1.575	1.063	1.968	45.0	6.0	WNMX 0807, WNMG 0804	1015	1
C5 PWLNR/L-35060-08X ⁽²⁾	1.968	1.378	2.362	48.0	6.0	WNMX 0807, WNMG 0804	1015	1

⁽¹⁾ Supplied with TWX 3 seat for WNMX 34. inserts and TWN 3 seat for WNMG 33. inserts.

⁽²⁾ Supplied with TWX 4 seat for WNMX 45. inserts and TWN 443 seat for WNMG 43. inserts.

⁽³⁾ Minimum overhang










⁽⁴⁾ Coolant pressure (PSI)

⁽⁵⁾ 1 - Hole for data chip, 0 - Without hole for data chip

For inserts, see pages: WNMG-F3S (129) • WNMX-M3/4MW (135) • WNMX-M3/4PW (135) • WNMG-F3P (125) • WNMG-M3P (126) • WNMG-F3M (128)

• WNMG-M3M (129) • WNMG-TF (132) • WNMG-GN (133) • WNMG-PP (132) • WNMG-NF (130) • WNMG-WF (131) • WNMA/WNMA-WG (134) • WNMG-WG (131)

Spare Parts

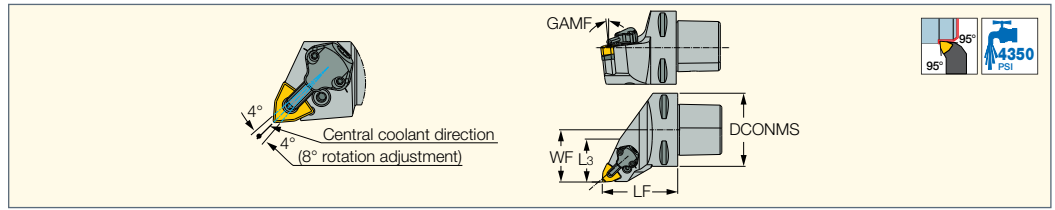
Designation									
C4 PWLNL-27050-06X	TWX 3	TWN 3	SP 3	LR 3	SR 117-2014	PN 3-4	EZ 62	HW 2.5/5	
C4 PWLNR-27050-06X	TWX 3	TWN 3	SP 3	LR 3	SR 117-2014	PN 3-4	EZ 62	HW 2.5/5	
C5 PWLNL-25060-06X	TWX 3	TWN 3	SP 3	LR 3	SR 117-2014	PN 3-4	EZ 83	HW 2.5/5	
C4 PWLNL-27050-08X	TWX 4	TWN 443	SP 4	LR 4DH	SR 117-2010	PN 3-4L	EZ 62	HW 3.0	LR 4DHTL (MR INJ)*
C4 PWLNR-27050-08X	TWX 4	TWN 443	SP 4	LR 4DH	SR 117-2010	PN 3-4L	EZ 62	HW 3.0	LR 4DHTL (MR INJ)*
C5 PWLNL-35060-08X	TWX 4	TWN 443	SP 4	LR 4DH	SR 117-2010	PN 3-4L	EZ 83	HW 3.0	LR 4DHTL (MR INJ)*
C5 PWLNR-35060-08X	TWX 4	TWN 443	SP 4	LR 4DH	SR 117-2010	PN 3-4L	EZ 83	HW 3.0	LR 4DHTL (MR INJ)*

* Optional, should be ordered separately



HELITURN LD
JETCUT CAMFIX

C#-PWLNR/L-X-JHP
Lever Lock Tools with CAMFIX
Shanks and Channels for
High-Pressure Coolant, Carrying
WNMX or WNMG Inserts



Designation	DCONMS	LF	WF	L3	GAMF	Insert	CDI ⁽³⁾
C3 PWLNR-22045-06X-JHP ⁽¹⁾	1.260	1.772	.866	1.024	-6.0	WNMX 34. WNMG 33.	0
C3 PWLNR-22045-08X-JHP ⁽²⁾	1.260	1.772	.866	.866	-6.0	WNMX 45. WNMG 43.	0
C4 PWLNR/L-27050-08X-JHP ⁽²⁾	1.575	1.968	1.063	.866	-6.0	WNMX 45. WNMG 43.	1
C5 PWLNR/L-35060-08X-JHP ⁽²⁾	1.968	2.362	1.378	.984	-6.0	WNMX 45. WNMG 43.	1
C6 PWLNR/L-45065-08X-JHP ⁽²⁾	2.480	2.559	1.772	1.457	-6.0	WNMX 45. WNMG 43.	1

• For user guide, see pages 6-7, 76-82, 677

⁽¹⁾ Supplied with TWX 3 seat for WNMX 34. inserts and TWN 3 seat for WNMG 33. inserts.

⁽²⁾ Supplied with TWX 4 seat for WNMX 45. inserts and TWN 443 seat for WNMG 43. inserts.

⁽³⁾ 1 - Hole for data chip, 0 - Without hole for data chip

For inserts, see pages: WNMG-F3S (129) • WNMX-M3/4MW (135) • WNMX-M3/4PW (135) • WNMG-F3P (125) • WNMG-M3P (126) • WNMG-F3M (128)

• WNMG-M3M (129) • WNMG-TF (132) • WNMG-GN (133) • WNMG-PP (132) • WNMG-NF (130) • WNMG-WF (131) • WNMA/WNMA-WG (134) • WNMG-WG (131)



Spare Parts

Designation										
C3 PWLNR-22045-06X-JHP	TWX 3	TWN 3	SP 3	PN 3-4	LR 3	SR 117-2014	CU-CW-JHP		T-8/5	HW 2.5
C3 PWLNR-22045-08X-JHP	TWX 4	TWN 443	SP 4	PN 3-4L	LR 4DH	SR 117-2010	CU-CW-JHP	LR 4DHTL (MR INJ)*	T-8/5	HW 3.0
C4 PWLNR-27050-08X-JHP	TWX 4	TWN 443	SP 4	PN 3-4L	LR 4DH	SR 117-2010	CU-CW-JHP	LR 4DHTL (MR INJ)*	T-8/5	HW 3.0
C4 PWLNR-27050-08X-JHP	TWX 4	TWN 443	SP 4	PN 3-4L	LR 4DH	SR 117-2010	CU-CW-JHP	LR 4DHTL (MR INJ)*	T-8/5	HW 3.0
C5 PWLNR-35060-08X-JHP	TWX 4	TWN 443	SP 4	PN 3-4L	LR 4DH	SR 117-2010	CU-CW-JHP	LR 4DHTL (MR INJ)*	T-8/5	HW 3.0
C5 PWLNR-35060-08X-JHP	TWX 4	TWN 443	SP 4	PN 3-4L	LR 4DH	SR 117-2010	CU-CW-JHP	LR 4DHTL (MR INJ)*	T-8/5	HW 3.0
C6 PWLNR-45065-08X-JHP	TWX 4	TWN 443	SP 4	PN 3-4L	LR 4DH	SR 117-2010	CU-CW-JHP	LR 4DHTL (MR INJ)*	T-8/5	HW 3.0
C6 PWLNR-45065-08X-JHP	TWX 4	TWN 443	SP 4	PN 3-4L	LR 4DH	SR 117-2010	CU-CW-JHP	LR 4DHTL (MR INJ)*	T-8/5	HW 3.0

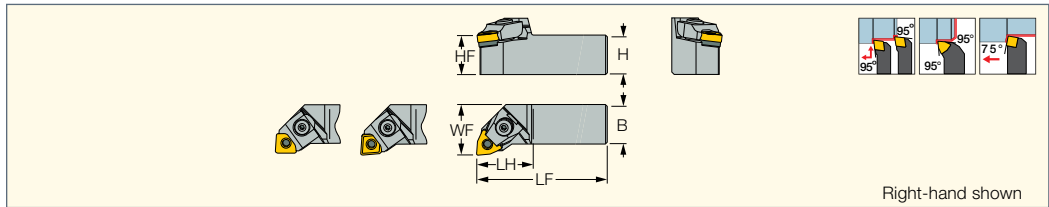
* Optional, should be ordered separately



MULTI-WEDGE

MULNR/L-MW

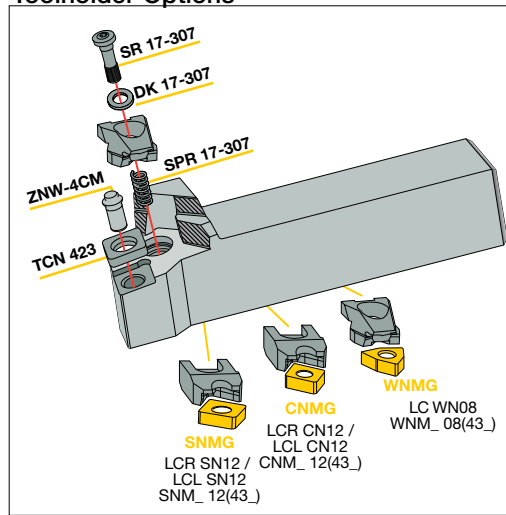
MULTI-WEDGE Lock,
External Toolholders for
Negative 80° Rhombic,
Trigon and Square Inserts



Designation	H	HF	B	LF	LH	WF	GAMP	GAMF
MULNR/L 16-4MW	1.000	1.000	1.000	6.000	1.370	1.250	-6.0	-6.0

- Only LC WN08 is supplied with the toolholder. The other two wedges should be ordered separately
- R.H. wedge for R.H. tool, L.H. wedge for L.H. tool
- For inserts, see pages:** CNGA-J(CBN) (228) • CNGG-J(CBN) (229) • CNMG-CERMET (136) • CNMG-F3S (139) • SNMG-F3S (167) • WNMG-CERMET (126) • WNMG-F3S (129) • WNMG-F3P (125) • WNMG-M3P (126) • WNMG-F3M (128) • WNMG-M3M (129) • WNMG-TF (132) • WNMG-GN (133) • WNMG-NR (133) • WNMG-PP (132) • WNMG-VL (131) • WNMG-TNM (134) • WNMG-NF (130) • WNMG-WF (131) • WNMA/WNMA-WG (134) • WNMG-WG (131) • WNGA-Ceramic (216) • WNGA-M3 (CBN) (226) • WNGA-MC/M6 (CBN) (226) • CNMG-F3P (135) • CNMG-M3P (136) • CNMM-R3P (145) • CNMM-M4PW (145) • CNMG-F3M (138) • CNMG-M3M (138) • CNMG/CNGG-TF (142) • CNMG-GN (143) • CNMG-NR (143) • CNMG/CNGG-PP (142) • CNMG-VL (139) • CNMG/CNGG-SF (140) • CNMG-NF (140) • CNMG-WF (140) • CNMG-WG/NRW (141) • CNMA (141) • CNGA-Ceramic (217) • CNMG-Ceramic (217) • CNGA-2 (CBN) (228) • CNGA-4 (CBN) (227) • CNGG-M4HF/M4HM (CBN) (228) • CNMA-MW4 (CBN) (227) • CNMA-T/M1/WG (CBN) (226) • CNMA (PCD) (223) • SNMG-F3P (165) • SNMG-M3P (165) • SNMM-R3P (171) • SNMG-F3M (166) • SNMG-M3M (166) • SNMG-TF (168) • SNMG-GN (169) • SNMG-NR (170) • SNMG-PP (168) • SNMG-VL (167) • SNMA (170) • SNGA-Ceramic (218) • SNMA (CBN) (238)

Toolholder Options



Spare Parts

Designation										
MULNR/L-MW	TCN 423	LC WN08	LCR/L CN12*	LCR/L SN12*	SR 17-307	HW 3.0	ZNW 4CM	SPR 17-307	DK 17-307	SR M4X8

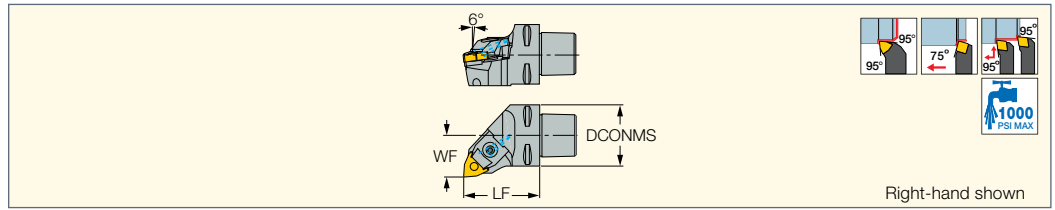
* Optional, should be ordered separately



MULTI-WEDGE

CAMFIX

C#-MULNR/L-MW
MULTI-WEDGE Tools with
CAMFIX Exchangeable Shanks
Carrying 80° Negative Rhombic
or Trigon or Square Inserts



Designation	DCONMS	WF	LF	GAMF	Insert	CDI ⁽¹⁾
C4 MULNR/L 27050-12MW	1.575	1.063	1.968	6.0	W/C/SNMG 1204..	1
C5 MULNR/L 35060-12MW	1.968	1.378	2.362	6.0	W/C/SNMG 1204..	1
C6 MULNR/L-45065-12MW *	2.480	1.772	2.559	6.0	W/C/SNMG 1204..	1

• R.H. wedge for R.H. tool, L.H. wedge for L.H. tool

⁽¹⁾ 1 - Hole for data chip, 0 - Without hole for data chip

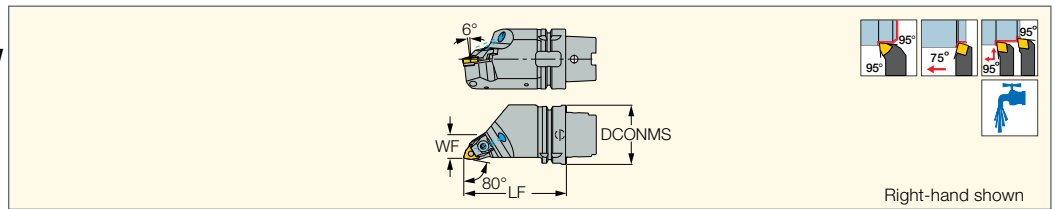
- For inserts, see pages:** CNGA-J(CBN) (228) • CNGG-J(CBN) (229) • CNMG-CERMET (136) • CNMG-F3S (139) • SNMG-F3S (167) • WNMG-CERMET (126)
 • WNMG-F3S (129) • WNMG-F3P (125) • WNMG-M3P (126) • WNMG-F3M (128) • WNMG-M3M (129) • WNMG-TF (132) • WNMG-GN (133) • WNMG-NR (133)
 • WNMG-PP (132) • WNMG-VL (131) • WNMG-TNM (134) • WNMG-NF (130) • WNMN-NM (133) • WNMG-WF (131) • WNMA/WNMA-WG (134) • WNMG-WG (131)
 • WNGA-Ceramic (216) • WNGA-M3 (CBN) (226) • WNGA-MC/M6 (CBN) (226) • CNMG-F3P (135) • CNMG-M3P (136) • CNMM-R3P (145) • CNMM-M4PW (145)
 • CNMG-F3M (138) • CNMG-M3M (138) • CNMG/CNGG-TF (142) • CNMG-GN (143) • CNMG-NR (143) • CNMG/CNGG-PP (142) • CNMG-VL (139)
 • CNMG/CNGG-SF (140) • CNMG-NF (140) • CNMG-WF (140) • CNMG-WG/NRW (141) • CNMA (141) • CNGA-Ceramic (217) • CNMG-Ceramic (217)
 • CNGA-2 (CBN) (228) • CNGA-4 (CBN) (227) • CNGG-M4HF/M4HM (CBN) (228) • CNMA-MW4 (CBN) (227) • CNMA-T/M1/WG (CBN) (226)
 • CNMA (PCD) (223) • SNMG-F3P (165) • SNMG-M3P (165) • SNMM-R3P (171) • SNMG-F3M (166) • SNMG-M3M (166) • SNMG-TF (168) • SNMG-GN (169)
 • SNMG-NR (170) • SNMG-PP (168) • SNMG-VL (167) • SNMA (170) • SNGA-Ceramic (218) • SNMA (CBN) (238)

Spare Parts

Designation									
C4 MULNL 27050-12MW	TCN 423	ZNW 4CMI	LC WN08	HW 3.0	SR 17-307	DK 17-307	SPR 17-307	SPR 17-307	EZ 62
C4 MULNR 27050-12MW	TCN 423	ZNW 4CMI	LC WN08	HW 3.0	SR 17-307	DK 17-307	SPR 17-307	SPR 17-307	EZ 62
C5 MULNL 35060-12MW	TCN 423	ZNW 4CMI	LC WN08	HW 3.0	SR 17-307	DK 17-307	SPR 17-307	SPR 17-307	EZ 83
C5 MULNR 35060-12MW	TCN 423	ZNW 4CMI	LC WN08	HW 3.0	SR 17-307	DK 17-307	SPR 17-307	SPR 17-307	EZ 83
C6 MULNL-45065-12MW	TCN 423	ZNW 4CMI	LC WN08	HW 3.0	SR 17-307	DK 17-307	SPR 17-307	SPR 17-307	EZ 104
C6 MULNR-45065-12MW *	TCN 423	ZNW 4CMI	LC WN08	HW 3.0	SR 17-307	DK 17-307	SPR 17-307	SPR 17-307	EZ 104

HSK MULTI-WEDGE

HSK A63WH-MULNR/L-MW
MULTI-WEDGE Toolholders
with HSK Taper Shanks
for 80° Rhombic, Trigon
and Square Inserts



Designation	DCONMS	LF	WF	GAMF	Insert	CDI ⁽¹⁾
HSK A63WH MULNR/L J12MW	2.480	4.331	.984	-6.0	W/C/SNMG 43..	0

• Complies with ICTM standard (ISO 12164-3) • A cooling tube must be used with all coolant through HSK spindles (should be ordered separately)

• For shank dimensions, see page 686

⁽¹⁾ 1 - Hole for data chip, 0 - Without hole for data chip

- For inserts, see pages:** CNGA-J(CBN) (228) • CNGG-J(CBN) (229) • CNMG-CERMET (136) • CNMG-F3S (139) • SNMG-F3S (167) • WNMG-CERMET (126)
 • WNMG-F3S (129) • WNMG-F3P (125) • WNMG-M3P (126) • WNMG-F3M (128) • WNMG-M3M (129) • WNMG-TF (132) • WNMG-GN (133) • WNMG-NR (133)
 • WNMG-PP (132) • WNMG-VL (131) • WNMG-TNM (134) • WNMG-NF (130) • WNMN-NM (133) • WNMG-WF (131) • WNMA/WNMA-WG (134) • WNMG-WG (131)
 • WNGA-Ceramic (216) • WNGA-M3 (CBN) (226) • WNGA-MC/M6 (CBN) (226) • CNMG-F3P (135) • CNMG-M3P (136) • CNMM-R3P (145) • CNMM-M4PW (145)
 • CNMG-F3M (138) • CNMG-M3M (138) • CNMG/CNGG-TF (142) • CNMG-GN (143) • CNMG-NR (143) • CNMG/CNGG-PP (142) • CNMG-VL (139)
 • CNMG/CNGG-SF (140) • CNMG-NF (140) • CNMG-WF (140) • CNMG-WG/NRW (141) • CNMA (141) • CNMG-Ceramic (217) • CNGA-2 (CBN) (228)
 • CNGA-4 (CBN) (227) • CNGA-Ceramic (217) • CNGG-M4HF/M4HM (CBN) (228) • CNMA-MW4 (CBN) (227) • CNMA-T/M1/WG (CBN) (226)
 • CNMA (PCD) (223) • SNMG-F3P (165) • SNMG-M3P (165) • SNMM-R3P (171) • SNMG-F3M (166) • SNMG-M3M (166) • SNMG-TF (168) • SNMG-GN (169)
 • SNMG-NR (170) • SNMG-PP (168) • SNMG-VL (167) • SNMA (170) • SNGA-Ceramic (218) • SNMA (CBN) (238)

Spare Parts

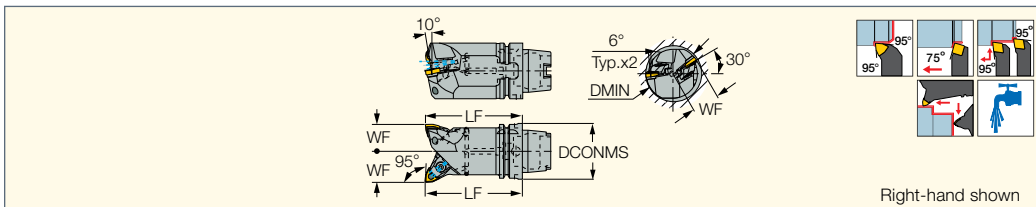
Designation											
HSK A63WH-MULNR/L-MW	TCN 423	LGR/L CN12*	LGR/L SN12*	LC WN08	ZNW 4CM	SR 17-307	HW 3.0	DK 17-307	SPR 17-307	SR M4X8	EZ 104

* Optional, should be ordered separately

MULTI-WEDGE HSK

HSK A63WH-MULNR-J12MWX2

MULTI-WEDGE Twin
Toolholders with HSK Taper
Shanks for 80° Rhombic,
Trigon and Square Inserts



Designation	DCONMS	LF	WF	DMIN	Insert	CDI ⁽¹⁾
HSK A63WH-MULNR-J12MWX2	2.480	4.331	1.378	2.835	W/C/SNMG 43..	0

- Complies with ICTM standard (ISO 12164-3)
- A cooling tube must be used with all coolant through HSK spindles (should be ordered separately).
- For shank dimensions, see page 686

⁽¹⁾ 1 - Hole for data chip, 0 - Without hole for data chip

- For inserts, see pages:** CNGA-J(CBN) (228) • CNGG-J(CBN) (229) • CNMG-CERMET (136) • CNMG-F3S (139) • SNMG-F3S (167) • WNMG-CERMET (126) • WNMG-F3S (129) • WNMG-F3P (125) • WNMG-M3P (126) • WNMG-F3M (128) • WNMG-M3M (129) • WNMG-TF (132) • WNMG-GN (133) • WNMG-NR (133) • WNMG-PP (132) • WNMG-VL (131) • WNMG-TNM (134) • WNMG-NF (130) • WNMM-NM (133) • WNMG-WF (131) • WNMA/WNMA-WG (134) • WNMG-WG (131) • WNGA-Ceramic (216) • WNGA-M3 (CBN) (226) • WNGA-MC/M6 (CBN) (226) • CNMG-F3P (135) • CNMG-M3P (136) • CNMM-R3P (145) • CNMM-M4PW (145) • CNMG-F3M (138) • CNMG-M3M (138) • CNMG/CNGG-TF (142) • CNMG-GN (143) • CNMG-NR (143) • CNMG/CNGG-PP (142) • CNMG-VL (139) • CNMG/CNGG-SF (140) • CNMG-NF (140) • CNMG-WF (140) • CNMG-WG/NRW (141) • CNMA (141) • CNGA-Ceramic (217) • CNMG-Ceramic (217) • CNGA-2 (CBN) (228) • CNGA-4 (CBN) (227) • CNGG-M4HF/M4HM (CBN) (228) • CNMA-MW4 (CBN) (227) • CNMA-T/M1/WG (CBN) (226) • CNMA (PCD) (223) • SNMG-F3P (165) • SNMG-M3P (165) • SNMM-R3P (171) • SNMG-F3M (166) • SNMG-M3M (166) • SNMG-TF (168) • SNMG-GN (169) • SNMG-NR (170) • SNMG-PP (168) • SNMG-VL (167) • SNMA (170) • SNGA-Ceramic (218) • SNMA (CBN) (238)

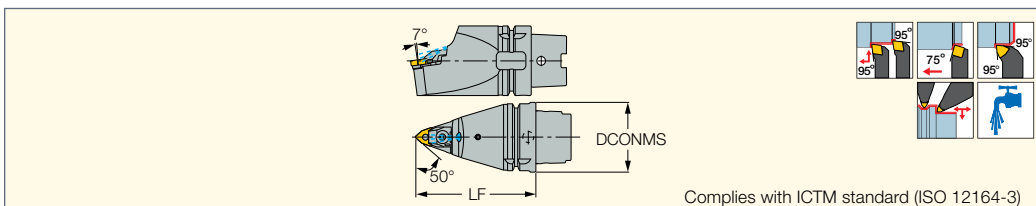
Spare Parts

Designation									
HSK A63WH-MULNR-J12MWX2	TCN 423	LC WN08	LCR CN12*	LCR SN12*	ZNW 4CMI	DK 17-307	SPR 17-307	SR 17-307	HW 3.0

HSK MULTI-WEDGE

HSK A63WH-MUMNN-MW

MULTI-WEDGE Tools with
HSK Exchangeable Shanks
Carrying 80° Negative Rhombic
or Trigon or Square Inserts



Designation	DCONMS	LF	Insert	CDI ⁽¹⁾
HSK A63WH MUMNN J12MW	2.480	4.331	W/C/SNMG 1204	0

- A cooling tube must be used with all coolant through HSK spindles (should be ordered separately).
- For shank dimensions, see page 686

⁽¹⁾ 1 - Hole for data chip, 0 - Without hole for data chip

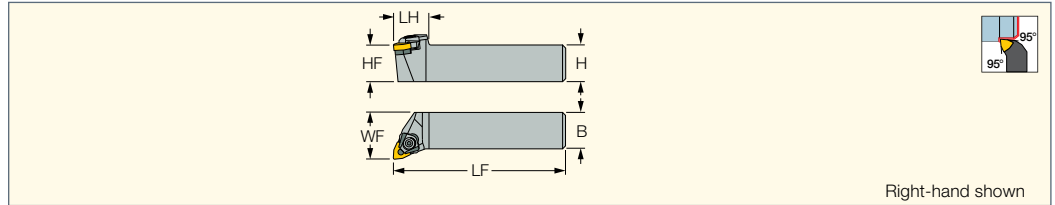
- For inserts, see pages:** CNGA-J(CBN) (228) • CNGG-J(CBN) (229) • CNMG-CERMET (136) • CNMG-F3S (139) • SNMG-F3S (167) • WNMG-CERMET (126) • WNMG-F3S (129) • WNMG-F3P (125) • WNMG-M3P (126) • WNMG-F3M (128) • WNMG-M3M (129) • WNMG-TF (132) • WNMG-GN (133) • WNMG-NR (133) • WNMG-PP (132) • WNMG-VL (131) • WNMG-TNM (134) • WNMG-NF (130) • WNMM-NM (133) • WNMG-WF (131) • WNMA/WNMA-WG (134) • WNMG-WG (131) • WNGA-Ceramic (216) • WNGA-M3 (CBN) (226) • WNGA-MC/M6 (CBN) (226) • CNMG-F3P (135) • CNMG-M3P (136) • CNMM-R3P (145) • CNMM-M4PW (145) • CNMG-F3M (138) • CNMG-M3M (138) • CNMG/CNGG-TF (142) • CNMG-GN (143) • CNMG-NR (143) • CNMG/CNGG-PP (142) • CNMG-VL (139) • CNMG/CNGG-SF (140) • CNMG-NF (140) • CNMG-WF (140) • CNMG-WG/NRW (141) • CNMA (141) • CNGA-Ceramic (217) • CNMG-Ceramic (217) • CNGA-2 (CBN) (228) • CNGA-4 (CBN) (227) • CNGG-M4HF/M4HM (CBN) (228) • CNMA-MW4 (CBN) (227) • CNMA-T/M1/WG (CBN) (226) • CNMA (PCD) (223) • SNMG-F3P (165) • SNMG-M3P (165) • SNMM-R3P (171) • SNMG-F3M (166) • SNMG-M3M (166) • SNMG-TF (168) • SNMG-GN (169) • SNMG-NR (170) • SNMG-PP (168) • SNMG-VL (167) • SNMA (170) • SNGA-Ceramic (218) • SNMA (CBN) (238)

Spare Parts

Designation											
HSK A63WH MUMNN J12MW	LC WN08	LCR CN12*	LCR SN12*	TCN 423	ZNW 4CM	SR 17-307	HW 3.0	DK 17-307	SPR 17-307	EZ 83	SR M4X8

* Optional, should be ordered separately

MWLNR/L-W
Top Wedge Lock External
Tools Carrying Trigon Inserts



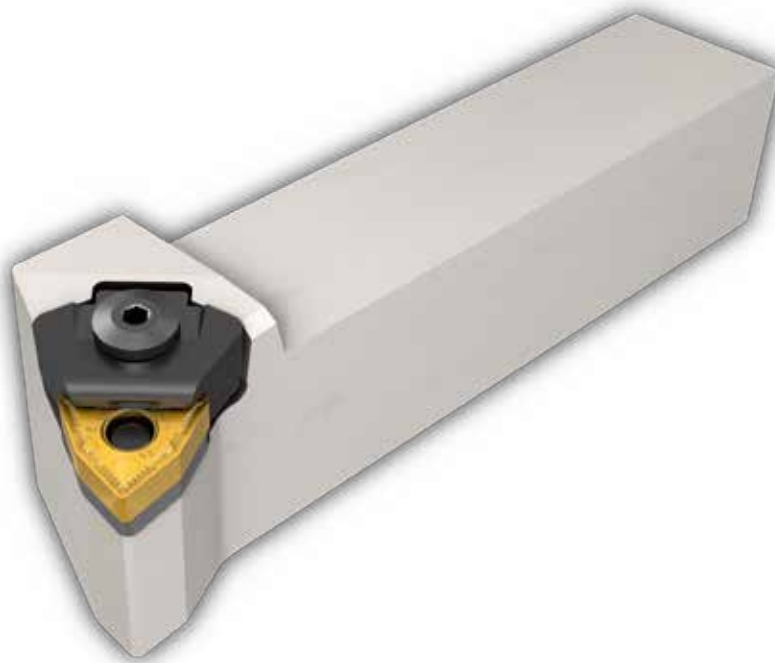
Designation	H	HF	B	LF	LH	WF	GAMP	GAMF	Insert
MWLNR/L 10-3W	.625	.625	.625	4.000	1.000	.880	-6.0	-6.0	WN.. 3
MWLNR/L 12-3W	.750	.750	.750	4.500	1.000	1.000	-6.0	-6.0	WN.. 3
MWLNR/L 16-3W	1.000	1.000	1.000	6.000	1.000	1.250	-6.0	-6.0	WN.. 3
MWLNR/L 12-4W	.750	.750	.750	4.500	1.250	1.000	-6.0	-6.0	WN.. 4
MWLNR/L 16-4W	1.000	1.000	1.000	6.000	1.250	1.250	-6.0	-6.0	WN.. 4
MWLNR/L 20-4W	1.250	1.250	1.250	6.000	1.250	1.500	-6.0	-6.0	WN.. 4

For inserts, see pages: WNGG-F3N (208) • WNMG-CERMET (126) • WNMG-F3S (129) • WNMG-F3P (125) • WNMG-M3P (126) • WNMG-F3M (128)
 • WNMG-M3M (129) • WNMG-TF (132) • WNMG-GN (133) • WNMG-NR (133) • WNMG-PP (132) • WNMG-VL (131) • WNMG-TNM (134) • WNMG-SF (130)
 • WNMG-NF (130) • WNMN-NM (133) • WNMG-WF (131) • WNMA/WNMA-WG (134) • WNMG-WG (131) • WNGA-Ceramic (216) • WNGA-M3 (CBN) (226)
 • WNGA-MC/M6 (CBN) (226)

Spare Parts

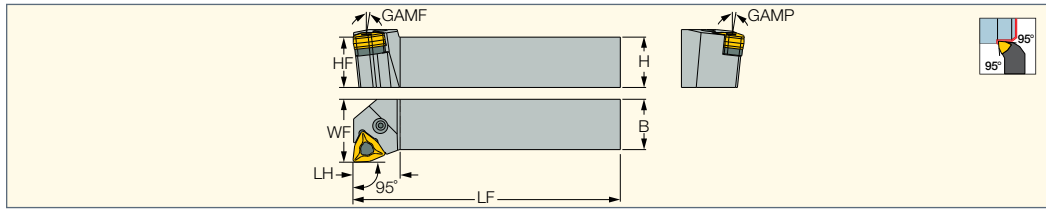
Designation						
MWLNL 10-3W	IWSN 322W	IWSN 3-2W ^{(a)*}	ZNW 3W	SR 14-564	LC 250 SET 1	HW 2.5
MWLNR 10-3W	IWSN 322W	IWSN 3-2W ^{(a)*}	ZNW 3W	SR 14-564	LC 250 SET 1	HW 2.5
MWLNL 12-3W	IWSN 322W	IWSN 3-2W ^{(a)*}	ZNW 3W	SR 14-564	LC 250 SET 1	HW 2.5
MWLNR 12-3W	IWSN 322W	IWSN 3-2W ^{(a)*}	ZNW 3W	SR 14-564	LC 250 SET 1	HW 2.5
MWLNL 16-3W	IWSN 322W	IWSN 3-2W ^{(a)*}	ZNW 3W	SR 14-564	LC 250 SET 1	HW 2.5
MWLNR 16-3W	IWSN 322W	IWSN 3-2W ^{(a)*}	ZNW 3W	SR 14-564	LC 250 SET 1	HW 2.5
MWLNL 12-4W	IWSN 433	IWSN 433M ^{(b)*}	ZNW 4W	SR M4X8	LC 252 SET 1	HW 3.0
MWLNR 12-4W	IWSN 433	IWSN 433M ^{(b)*}	ZNW 4W	SR M4X8	LC 252 SET 1	HW 3.0
MWLNL 16-4W	IWSN 433	IWSN 433M ^{(b)*}	ZNW 4W	SR M4X8	LC 252 SET 1	HW 3.0
MWLNR 16-4W	IWSN 433	IWSN 433M ^{(b)*}	ZNW 4W	SR M4X8	LC 252 SET 1	HW 3.0
MWLNL 20-4W	IWSN 433	IWSN 433M ^{(b)*}	ZNW 4W	SR M4X8	LC 252 SET 1	HW 3.0
MWLNR 20-4W	IWSN 433	IWSN 433M ^{(b)*}	ZNW 4W	SR M4X8	LC 252 SET 1	HW 3.0

* Optional, should be ordered separately
^(a) Use IWSN 3-2W optional seat for WNMG 33. inserts
^(b) Use IWSN 433M optional seat for WNMG 43.-TNM inserts



DOVE IQ TURN
 HEAVY DUTY LINE

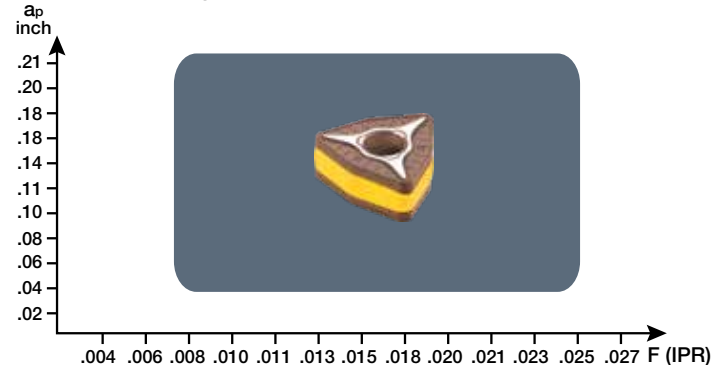
PWLOR/L-IQ

 Lever Lock and Dovetail Pocket
 Rigid Clamping Tools Carrying
 Unique Double-Sided
 Trigon Inserts







Designation	H	HF	B	LF	LH	WF	GAMP	GAMF	Insert
PWLOR/L 16-5-IQ	1.000	1.000	1.000	6.000	1.000	1.300	-6.0	-6.0	WOMG 554-IQ
PWLOR/L 20-5-IQ	1.250	1.250	1.250	6.000	1.200	1.600	-6.0	-6.0	WOMG 554-IQ
PWLOR/L 20-6-IQ	1.250	1.250	1.250	6.000	1.200	1.600	-6.5	-6.5	WOMG 64-IQ
PWLOR/L 24-6-IQ	1.500	1.500	1.500	7.000	1.200	1.900	-6.5	-6.5	WOMG 64-IQ

For inserts, see pages: WOMG-5-T3P-IQ (127) • WOMG-6-R3P-IQ (127)

Application Range on PWLOR/L-IQ Tools



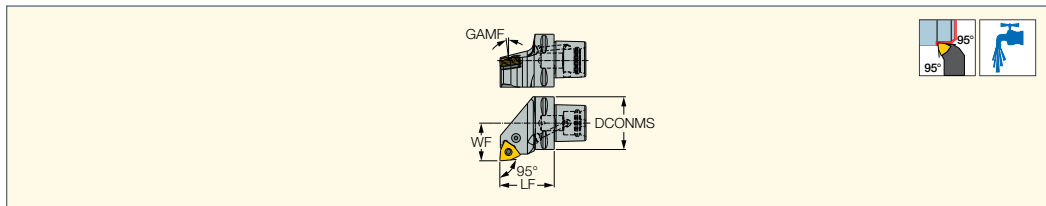
Spare Parts

Designation					
PWLOR 16-5-IQ	TWN 5-4-IQ	SP D1.5-L10 ^(a)	SR LCS 5	LR 5	HW 3.0
PWLOR 16-5-IQ	TWN 5-4-IQ	SP D1.5-L10 ^(a)	SR LCS 5	LR 5	HW 3.0
PWLOR 20-5-IQ	TWN 5-4-IQ	SP D1.5-L10 ^(a)	SR LCS 5	LR 5	HW 3.0
PWLOR 20-5-IQ	TWN 5-4-IQ	SP D1.5-L10 ^(a)	SR LCS 5	LR 5	HW 3.0
PWLOR 20-6-IQ	TWX 6-IQ	SP 5 ^(a)	SR 10402352	LCL 20C-NX	HW 4.0
PWLOR 20-6-IQ	TWX 6-IQ	SP 5 ^(a)	SR 10402352	LCL 20C-NX	HW 4.0
PWLOR 24-6-IQ	TWX 6-IQ	SP 5 ^(a)	SR 10402352	LCL 20C-NX	HW 4.0
PWLOR 24-6-IQ	TWX 6-IQ	SP 5 ^(a)	SR 10402352	LCL 20C-NX	HW 4.0

^(a) Seat Pin

DOVE IQ TURN
 HEAVY DUTY LINE







CAMFIX
C#-PWLOR/L-IQ

 Lever Lock and Dovetail Rigid
 Clamping Pocket with CAMFIX
 Shank Tools Carrying Unique
 Double-Sided Trigon Inserts


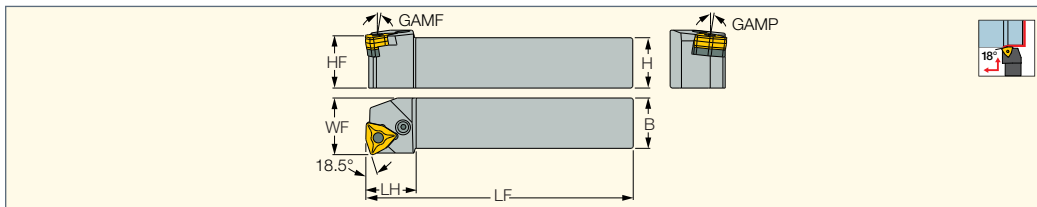
Designation	DCONMS	WF	LF	GAMP	Insert
C6 PWLOR/L-45065-13-IQ	2.480	1.772	2.559	-6.5	WOMG 64..-IQ

For inserts, see pages: WOMG-6-R3P-IQ (127)

Spare Parts

Designation						
C#-PWLOR/L-IQ	TWX 6-IQ	LCL 20C-NX	SR 10402352	HW 4.0	SP 5	SATZ-M10X1-M5

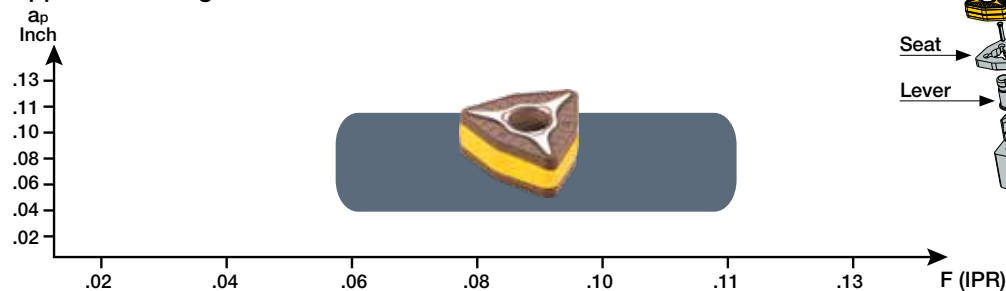
PWXOR/L-TF-IQ
Lever Lock Tools for Fast
Feed Longitudinal Turning



Designation	H	HF	B	LF	LH	WF	GAMP	GAMF	Insert
PWXOR/L 16-5-TF-IQ	1.000	1.000	1.000	6.000	1.250	1.200	-6.0	-6.0	WOMG 55-IQ
PWXOR/L 20-5-TF-IQ	1.250	1.250	1.250	6.000	1.250	1.450	-6.0	-6.0	WOMG 55-IQ
PWXOR/L 24-5-TF-IQ	1.500	1.500	1.500	7.000	1.250	1.750	-6.0	-6.0	WOMG 55-IQ

For inserts, see pages: WOMG-5-T3P-IQ (127)

Application Range on PWXOR/L-TF-IQ Tools



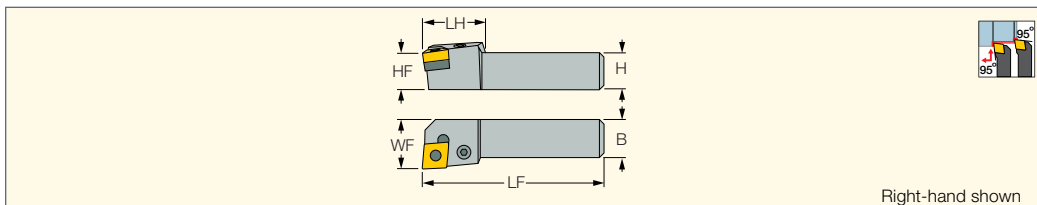
Spare Parts

Designation					
PWXOR/L-TF-IQ	TWN 5-4-IQ	SP D1.5-L10 ^(a)	SR LCS 5	LR 5	HW 3.0

^(a) Seat Pin

ISOTURN

PCLNR
Lever Lock Tools Carrying the
80° Negative Rhombic Inserts



Designation	H	HF	B	LF	LH	WF	GAMP	GAMF	Insert
PCLNR 20-6	1.250	1.250	1.250	6.000	1.610	1.500	-6.0	-6.0	CNM..64..

For inserts, see pages: • CNMG-M3P (136) • CNMM-R3P (145) • CNMG-M3M (138) • CNMG-R3M (139) • CNMG/CNGG-TF (142) • CNMG-GN (143) • CNMG-NR (143) • CNMM-NR (146) • CNMG/CNGG-PP (142) • CNMG-MR (144) • CNMM-H3P (145) • CNMM-H4P (146) • CNMA (141)

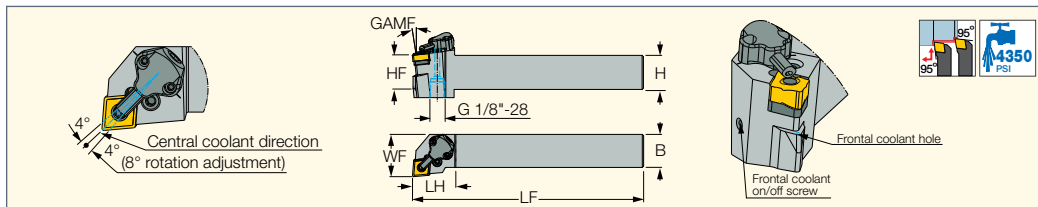
Spare Parts

Designation					
PCLNR	TCN 63	SP 66	LR 6	SR 10402352	HW 4.0

ISOTURN JETCUT

PCLNR/L-4-JHP

Lever Lock Toolholders for 80° Negative Rhombic Inserts with Channels for High-Pressure Coolant



Designation	H	HF	B	LF	LH	WF	GAMP	GAMF	Insert
PCLNR/L 16-4-JHP	1.000	1.000	1.000	6.000	1.300	1.250	-6.0	-6.0	CNMG 43
PCLNR/L 20-4-JHP	1.250	1.250	1.250	6.000	1.300	1.500	-6.0	-6.0	CNMG 43

• For user guide see pages 6-7, 76-82

For inserts, see pages: CNGA-J(CBN) (228) • CNGG-J(CBN) (229) • CNMG-CERMET (136) • CNMG-F3S (139) • CNMG-F3P (135) • CNMG-M3P (136) • CNMM-R3P (145) • CNMM-M4PW (145) • CNMG-F3M (138) • CNMG-M3M (138) • CNMG/CNGG-TF (142) • CNMG-GN (143) • CNMG-NR (143) • CNMG/CNGG-PP (142) • CNMG-VL (139) • CNMG/CNGG-SF (140) • CNMG-NF (140) • CNMG-WF (140) • CNMG-WG/NRW (141) • CNMS-12 (214) • CNMA (141) • CNGA-Ceramic (217) • CNMG-Ceramic (217) • CNGA-2 (CBN) (228) • CNGA-4 (CBN) (227) • CNGG-M4HF/M4HM (CBN) (228) • CNMA-MW4 (CBN) (227) • CNMA-T/M1/WG (CBN) (226) • CNMA (PCD) (223)

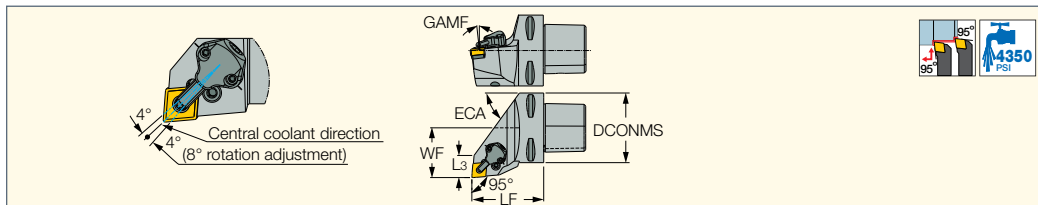
Spare Parts

Designation										
PCLNR/L-4-JHP	TCN 423	SP 4	LR 4	SR 117-2010	PN 3-4	CU-CW-JHP	SR M4X4 DIN913 TL360	HW 2.0	HW 3.0	T-8/5

ISOTURN CAMFIX

C#-PCLNR/L-12-JHP

Lever Lock Tools with Channels for High-Pressure Coolant and CAMFIX Shanks Carrying 80° Negative Rhombic Inserts



Designation	DCONMS	WF	LF	L3	ECA	GAMF	Insert	CDI ⁽¹⁾	CP ⁽²⁾
C6 PCLNR/L-45065-12-JHP	2.480	1.772	2.559	.787	54.0	-6.0	CNMG 43	1	4350

• For user guide, see pages 6-7, 76-82, 677

⁽¹⁾ 1 - Hole for data chip, 0 - Without hole for data chip

⁽²⁾ Coolant pressure (PSI)

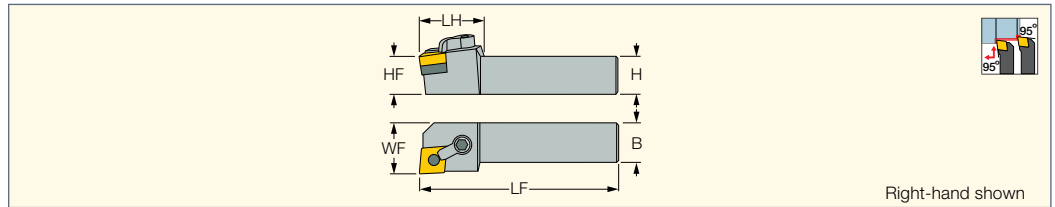
For inserts, see pages: CNGA-J(CBN) (228) • CNGG-J(CBN) (229) • CNMG-CERMET (136) • CNMG-F3S (139) • CNMG-F3P (135) • CNMG-M3P (136) • CNMM-R3P (145) • CNMM-M4PW (145) • CNMG-F3M (138) • CNMG-M3M (138) • CNMG/CNGG-TF (142) • CNMG-GN (143) • CNMG-NR (143) • CNMG/CNGG-PP (142) • CNMG-VL (139) • CNMG/CNGG-SF (140) • CNMG-NF (140) • CNMG-WF (140) • CNMG-WG/NRW (141) • CNMS-12 (214) • CNMA (141) • CNGA-Ceramic (217) • CNMG-Ceramic (217) • CNGA-2 (CBN) (228) • CNGA-4 (CBN) (227) • CNGG-M4HF/M4HM (CBN) (228) • CNMA-MW4 (CBN) (227) • CNMA-T/M1/WG (CBN) (226) • CNMA (PCD) (223)

Spare Parts

Designation									
C6 PCLNL-45065-12-JHP	TCN 423	SP 4	LR 4	SR 117-2010	PN 3-4	CU-CW-JHP	HW 3.0	T-8/5	
C6 PCLNR-45065-12-JHP	TCN 423	SP 4	LR 4	SR 117-2010	PN 3-4	CU-CW-JHP	HW 3.0	T-8/5	SR M5X5 DIN913 TL360

MCLNR/L

Comlock Tools Carrying 80°
Negative Rhombic Inserts



Right-hand shown

Designation	H	HF	B	LF	LH	WF	GAMP	GAMF
MCLNR/L 12-4	.750	.750	.750	4.500	1.190	1.000	-6.0	-6.0
MCLNR/L 16-4	1.000	1.000	1.000	6.000	1.190	1.250	-6.0	-6.0

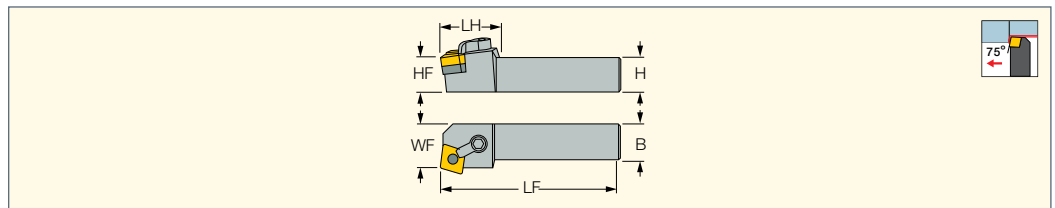
For inserts, see pages: CNGA-J(CBN) (228) • CNGG-J(CBN) (229) • CNMG-CERMET (136) • CNMG-F3S (139) • CNMG-F3P (135) • CNMG-M3P (136) • CNMM-R3P (145) • CNMM-M4PW (145) • CNMG-F3M (138) • CNMG-M3M (138) • CNMG/CNGG-TF (142) • CNMG-GN (143) • CNMG-NR (143) • CNMG/CNGG-PP (142) • CNMG-VL (139) • CNMG/CNGG-SF (140) • CNMG-NF (140) • CNMG-WF (140) • CNMG-WG/NRW (141) • CNMA (141) • CNGA-Ceramic (217) • CNMG-Ceramic (217) • CNGA-2 (CBN) (228) • CNGA-4 (CBN) (227) • CNGG-M4HF/M4HM (CBN) (228) • CNMA-MW4 (CBN) (227) • CNMA-T/M1/WG (CBN) (226) • CNMA (PCD) (223)

Spare Parts

Designation						
MCLNR/L	ICSN 433	NL 46	HW 3/32"	CL 20	XNS 48	HW 1/8"

MCRNR

Comlock 75° Lead Angle Holders
for Negative 80° Inserts

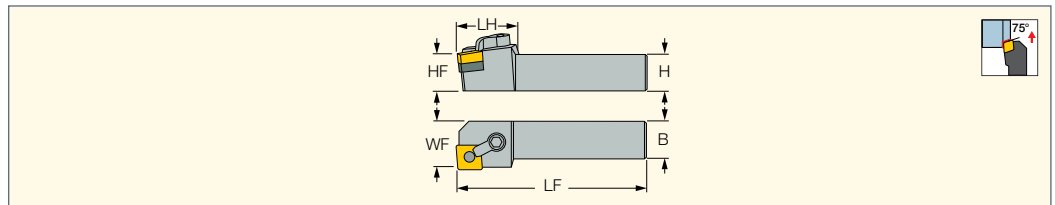


Designation	H	HF	B	LF	LH	WF	GAMP	GAMF				
MCRNR 16-4	1.000	1.000	1.000	6.000	1.250	1.250	-5.0	-5.0	ICSN 433	NL 46	HW 3/32"	CL 9

For inserts, see pages: CNGA-J(CBN) (228) • CNGG-J(CBN) (229) • CNMG-CERMET (136) • CNMG-F3S (139) • CNMG-F3P (135) • CNMG-M3P (136) • CNMM-R3P (145) • CNMM-M4PW (145) • CNMG-F3M (138) • CNMG-M3M (138) • CNMG/CNGG-TF (142) • CNMG-GN (143) • CNMG-NR (143) • CNMG/CNGG-PP (142) • CNMG-VL (139) • CNMG/CNGG-SF (140) • CNMG-NF (140) • CNMG-WF (140) • CNMG-WG/NRW (141) • CNMA (141) • CNGA-Ceramic (217) • CNMG-Ceramic (217) • CNGA-2 (CBN) (228) • CNGA-4 (CBN) (227) • CNGG-M4HF/M4HM (CBN) (228) • CNMA-MW4 (CBN) (227) • CNMA-T/M1/WG (CBN) (226)

MCKNR

Comlock 75° Lead Angle
Facing Holders for Negative
100° Rhombic Inserts



Designation	H	HF	B	LF	LH	WF	GAMP	GAMF
MCKNR 16-4	1.000	1.000	1.000	6.000	1.190	1.250	-5.0	-5.0

For inserts, see pages: CNGA-J(CBN) (228) • CNGG-J(CBN) (229) • CNMG-CERMET (136) • CNMG-F3S (139) • CNMG-F3P (135) • CNMG-M3P (136) • CNMM-R3P (145) • CNMM-M4PW (145) • CNMG-F3M (138) • CNMG-M3M (138) • CNMG/CNGG-TF (142) • CNMG-GN (143) • CNMG-NR (143) • CNMG/CNGG-PP (142) • CNMG-VL (139) • CNMG/CNGG-SF (140) • CNMG-NF (140) • CNMG-WF (140) • CNMG-WG/NRW (141) • CNMA (141) • CNGA-Ceramic (217) • CNMG-Ceramic (217) • CNGA-2 (CBN) (228) • CNGA-4 (CBN) (227) • CNGG-M4HF/M4HM (CBN) (228) • CNMA-MW4 (CBN) (227) • CNMA-T/M1/WG (CBN) (226)

Spare Parts

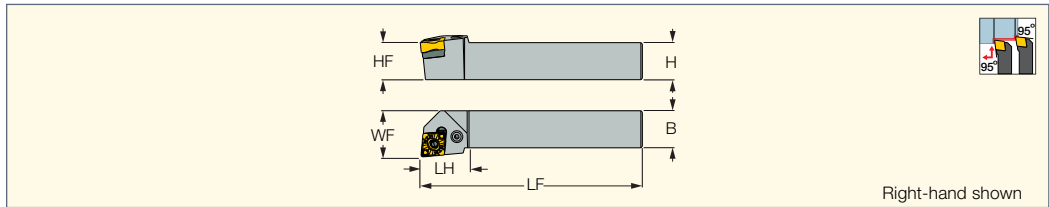
Designation						
MCKNR 16-4	ICSN 433	NL 46	HW 3/32"	CL 20	XNS 48	HW 1/8"

HELITURN LD

FLASHTURN
ECO LINE

PCLNR/L-X

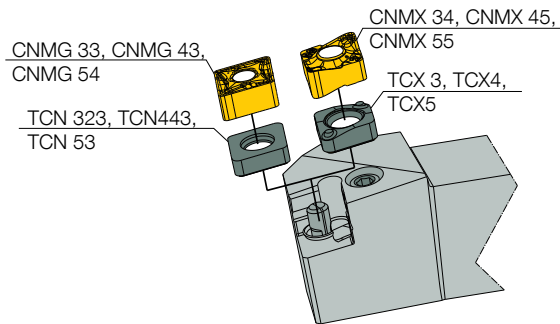
Lever Lock Tools Carrying
CNMX/CNMG 80°
Rhombic Inserts



Designation	H	HF	B	LF	LH	WF	GAMP	GAMF	Insert
PCLNR/L 10-3X	.625	.625	.625	4.500	1.000	1.000	6.0	-6.0	CNMX 34. CNMG 33.
PCLNR/L 12-3X	.750	.750	.750	4.500	1.000	1.000	6.0	-6.0	CNMX 34. CNMG 33.
PCLNR/L 16-3X	1.000	1.000	1.000	6.000	1.000	1.250	6.0	-6.0	CNMX 34. CNMG 33.
PCLNR/L 12-4X	.750	.750	.750	4.500	1.220	1.250	6.0	-6.0	CNMX 45. CNMG 43.
PCLNR/L 16-4X	1.000	1.000	1.000	6.000	1.220	1.250	6.0	-6.0	CNMX 45. CNMG 43.
PCLNR/L 20-4X	1.250	1.250	1.250	6.000	1.220	1.500	6.0	-6.0	CNMX 45. CNMG 43.
PCLNR/L 20-5X	1.250	1.250	1.250	7.000	1.260	1.570	-6.0	-6.0	CNMX 55. CNMG 54.
PCLNR 24-5X	1.500	1.500	1.500	7.000	1.850	2.000	-6.0	-6.0	CNMX 55. CNMG 54.

• Supplied with TCX 3 seat for CNMX 34. inserts and TCN 323 seat for CNMG 33. inserts, TCX 4 seat for CNMX 45. inserts and TCN 443 seat for CNMG 43. inserts, TCX 5 seat for CNMX 55. inserts and TCN 53 seat for CNMG 54. inserts.

- For inserts, see pages:** CNGA-J(CBN) (228) • CNGG-J(CBN) (229) • CNMG-F3S (139) • CNMG-F3P (135) • CNMG-M3P (136) • CNMM-R3P (145) • CNMG-M3N (209) • CNMX-M3/4PW (144) • CNMM-M4PW (145) • CNGG-F3N (208) • CNMG-F3M (138) • CNMG-M3M (138) • CNMG-R3M (139) • CNMX-M3/4MW (144) • CNMG/CNGG-TF (142) • CNMG-GN (143) • CNMG-NR (143) • CNMG/CNGG-PP (142) • CNMG-VL (139) • CNMG-MR (144) • CNMG/CNGG-SF (140) • CNMG-NF (140) • CNMG-WF (140) • CNMG-WG/NRW (141) • CNMS-12 (214) • CNMA (141) • CNGA-Ceramic (217) • CNMG-Ceramic (217) • CNGA-2 (CBN) (228) • CNGA-4 (CBN) (227) • CNGG-M4HF/M4HM (CBN) (228) • CNMA-MW4 (CBN) (227) • CNMA-T/M1/WG (CBN) (226) • CNMA (PCD) (223) • CNMG-CERMET (136)



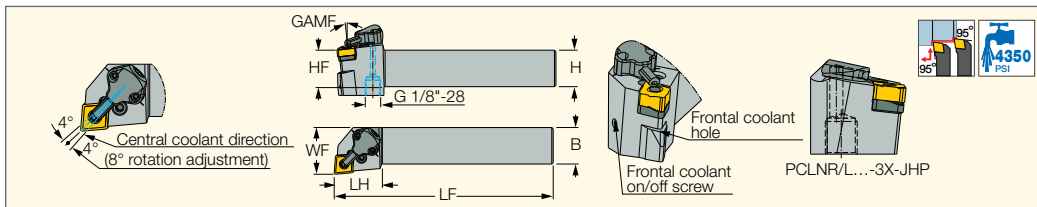
Spare Parts

Designation								
PCLNL 12-3X	TCX 3 ^(a)	TCN 323	SP 3	LR 3	SR 117-2014	HW 2.5	PN 3-4	
PCLNR 12-3X	TCX 3 ^(a)	TCN 323	SP 3	LR 3	SR 117-2014	HW 2.5	PN 3-4	
PCLNL 16-3X	TCX 3 ^(a)	TCN 323	SP 3	LR 3	SR 117-2014	HW 2.5	PN 3-4	
PCLNR 16-3X	TCX 3 ^(a)	TCN 323	SP 3	LR 3	SR 117-2014	HW 2.5	PN 3-4	
PCLNL 12-4X	TCX 4	TCN 443	SP 4	LR 4DH	SR 117-2010	HW 3.0	PN 3-4L	LR 4DHTL (MR INJ)*
PCLNR 12-4X	TCX 4	TCN 443	SP 4	LR 4DH	SR 117-2010	HW 3.0	PN 3-4L	LR 4DHTL (MR INJ)*
PCLNL 16-4X	TCX 4	TCN 443	SP 4	LR 4DH	SR 117-2010	HW 3.0	PN 3-4L	LR 4DHTL (MR INJ)*
PCLNR 16-4X	TCX 4	TCN 443	SP 4	LR 4DH	SR 117-2010	HW 3.0	PN 3-4L	LR 4DHTL (MR INJ)*
PCLNL 20-4X	TCX 4	TCN 443	SP 4	LR 4DH	SR 117-2010	HW 3.0	PN 3-4L	LR 4DHTL (MR INJ)*
PCLNR 20-4X	TCX 4	TCN 443	SP 4	LR 4DH	SR 117-2010	HW 3.0	PN 3-4L	LR 4DHTL (MR INJ)*
PCLNL 20-5X	TCX 5	TCN 53	SP 5	LR 5	SR LCS 5	HW 3.0	SPP 5-6*	
PCLNR 20-5X	TCX 5	TCN 53	SP 5	LR 5	SR LCS 5	HW 3.0	SPP 5-6*	
PCLNR 24-5X	TCX 5	TCN 53	SP 5	LR 5	SR LCS 5	HW 3.0	SPP 5-6*	

* Optional, should be ordered separately

^(a) For CNMX 0906.. (CNMX 34.) inserts

PCLNR/L-X-JHP
Lever Lock Tools with Channels
for High Pressure Coolant
Carrying the CNMX/CNMG
80° Rhombic Inserts



Designation	B	H	HF	LF	LH	WF	GAMP	GAMF	Insert
PCLNR/L 10-3X-JHP	.625	.625	.625	6.000	1.300	.750	-6.0	-6.0	CNMX 34. CNMG 33.
PCLNR/L 12-3X-JHP	.750	.750	.750	4.500	1.300	1.000	-6.0	-6.0	CNMX 34. CNMG 33.
PCLNR/L 16-3X-JHP	1.000	1.000	1.000	6.000	1.300	1.250	-6.0	-6.0	CNMX 34. CNMG 33.
PCLNR/L 16-4X-JHP	1.000	1.000	1.000	6.000	1.300	1.250	-6.0	-6.0	CNMX 45. CNMG 43.
PCLNR/L 20-4X-JHP	1.250	1.250	1.250	6.000	1.300	1.500	-6.0	-6.0	CNMX 45. CNMG 43.

- Supplied with TCX 3 seat for CNMX 34. inserts and TCN 323 seat for CNMG 33. inserts. TCX 4 seat for CNMX 45. inserts and TCN 443 seat for CNMG 43. inserts.
- For user guide, see pages 6-7, 76-82

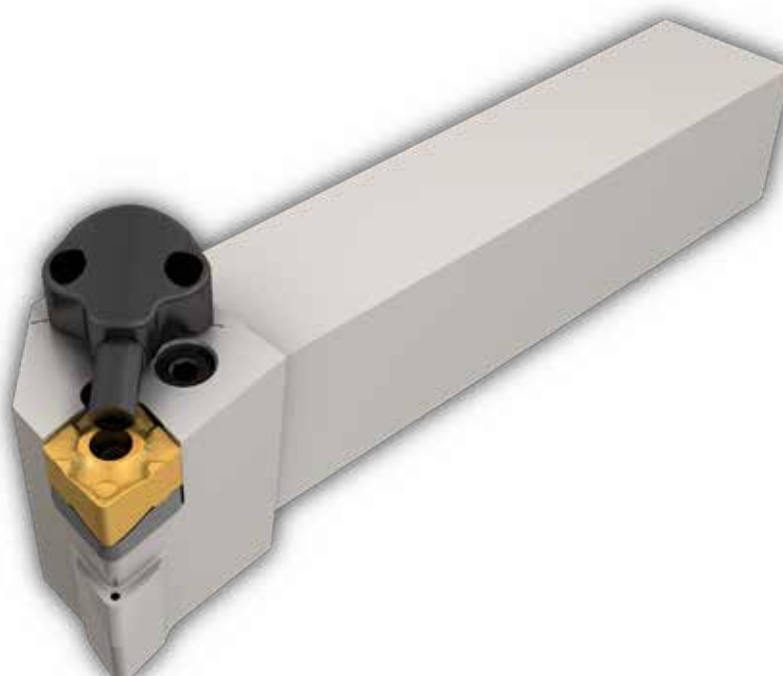
- For inserts, see pages:** CNGA-J(CBN) (228) • CNGG-J(CBN) (229) • CNGX-M3N (209) • CNMG-F3S (139) • CNMG-F3P (135) • CNMG-M3P (136) • CNMM-R3P (145) • CNMX-M3/4PW (144) • CNMM-M4PW (145) • CNGG-F3N (208) • CNMG-CERMET (136) • CNMG-F3M (138) • CNMG-M3M (138) • CNMX-M3/4MW (144) • CNMG/CNGG-TF (142) • CNMG-GN (143) • CNMG-NR (143) • CNMG/CNGG-PP (142) • CNMG-VL (139) • CNMG/CNGG-SF (140) • CNMG-NF (140) • CNMG-WF (140) • CNMG-WG/NRW (141) • CNMS-12 (214) • CNMA (141) • CNGA-Ceramic (217) • CNMG-Ceramic (217) • CNGA-2 (CBN) (228) • CNGA-4 (CBN) (227) • CNGG-M4HF/M4HM (CBN) (228) • CNMA-MW4 (CBN) (227) • CNMA-T/M1/WG (CBN) (226) • CNMA (PCD) (223)

Spare Parts

Designation												
PCLNL 10-3X-JHP	TCX 3 ^(a)	TCN 323 ^(c)	SP 3	LR 3	SR 117-2014	PN 3-4				HW 2.5/5	HW 2.5	
PCLNR 10-3X-JHP	TCX 3 ^(a)	TCN 323 ^(c)	SP 3	LR 3	SR 117-2014	PN 3-4				HW 2.5		
PCLNL 12-3X-JHP	TCX 3 ^(a)	TCN 323 ^(c)	SP 3	LR 3	SR 117-2014	PN 3-4				HW 2.5		
PCLNR 12-3X-JHP	TCX 3 ^(a)	TCN 323 ^(c)	SP 3	LR 3	SR 117-2014	PN 3-4				HW 2.5		
PCLNL 16-3X-JHP	TCX 3 ^(a)	TCN 323 ^(c)	SP 3	LR 3	SR 117-2014	PN 3-4				HW 2.5		
PCLNR 16-3X-JHP	TCX 3 ^(a)	TCN 323 ^(c)	SP 3	LR 3	SR 117-2014	PN 3-4				HW 2.5		
PCLNL 16-4X-JHP	TCX 4 ^(b)	TCN 443 ^(d)	SP 4	LR 4DH	SR 117-2010	PN 3-4L	CU-CW-JHP	T-8/5	LR 4DHTL (MR INJ)*	HW 2.0		HW 3.0
PCLNR 16-4X-JHP	TCX 4 ^(b)	TCN 443 ^(d)	SP 4	LR 4DH	SR 117-2010	PN 3-4L	CU-CW-JHP	T-8/5	LR 4DHTL (MR INJ)*	HW 2.0		HW 3.0
PCLNL 20-4X-JHP	TCX 4 ^(b)	TCN 443 ^(d)	SP 4	LR 4DH	SR 117-2010	PN 3-4L	CU-CW-JHP	T-8/5	LR 4DHTL (MR INJ)*	HW 2.0		HW 3.0
PCLNR 20-4X-JHP	TCX 4 ^(b)	TCN 443 ^(d)	SP 4	LR 4DH	SR 117-2010	PN 3-4L	CU-CW-JHP	T-8/5	LR 4DHTL (MR INJ)*	HW 2.0		HW 3.0

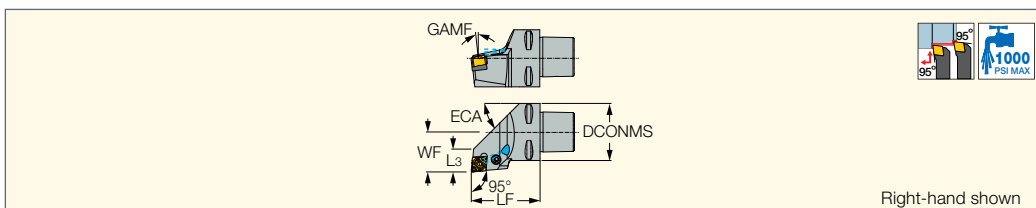
* Optional, should be ordered separately

- ^(a) For CNMX 0906.. (CNMX 34.) inserts
- ^(b) For CNMX 1207.. (CNMX 45.) inserts
- ^(c) For CNMG 0904.. (CNMG 33.) inserts
- ^(d) For CNMG 1204.. (CNMG 43.) inserts



HELITURN LD**CAMFIX****C#-PCLNR/L-X**

Lever Lock Tools with
CAMFIX Exchangeable
Shanks Carrying CNMX and
CNMG Rhombic Inserts



Right-hand shown

Designation	DCONMS	WF	LF	GAMF	L3	ECA	Insert	CP ⁽²⁾	CDI ⁽³⁾
C4 PCLNR/L-27050-12X ⁽¹⁾	1.575	1.063	1.968	6.0	.787	40.0	CNMX 1207, CNMG 1204	1015	1
C5 PCLNR/L-35060-12X ⁽¹⁾	1.968	1.378	2.362	6.0	.787	45.0	CNMX 1207, CNMG 1204	1015	1
C6 PCLNR/L-45065-12X ⁽¹⁾	2.480	1.772	2.559	6.0	.787	54.0	CNMX 1207, CNMG 1204	1015	1
C4 PCLNR/L-27050-16X	1.575	1.063	1.968	6.0	.827	40.0	CNMX 1607, CNMG 1606	1015	1
C5 PCLNR/L-35060-16X	1.968	1.378	2.362	6.0	.827	45.0	CNMX 1607, CNMG 1606	1015	1
C6 PCLNR/L-45065-16X	2.480	1.772	2.559	6.0	.827	54.0	CNMX 1607, CNMG 1606	1015	1

⁽¹⁾ Supplied with TCX 4 seat for CNMX 45. inserts and TCN 443 seat for CNMG 43. inserts.

⁽²⁾ Coolant pressure (PSI)

⁽³⁾ 1 - Hole for data chip, 0 - Without hole for data chip

For inserts, see pages: CNGA-J(CBN) (228) • CNGG-J(CBN) (229) • CNMG-CERMET (136) • CNMG-F3S (139) • CNMX-M3/4PW (144) • CNMX-M3/4MW (144) • CNMG-F3P (135) • CNMG-M3P (136) • CNMM-R3P (145) • CNMM-M4PW (145) • CNMG-F3M (138) • CNMG-M3M (138) • CNMG-R3M (139) • CNMG/CNGG-TF (142) • CNMG-GN (143) • CNMG-NR (143) • CNMG/CNGG-PP (142) • CNMG-VL (139) • CNMG-MR (144) • CNMG/CNGG-SF (140) • CNMG-NF (140) • CNMG-WF (140) • CNMG-WG/NRW (141) • CNMS-12 (214) • CNMA (141) • CNGA-Ceramic (217) • CNMG-Ceramic (217) • CNGA-2 (CBN) (228) • CNGA-4 (CBN) (227) • CNGG-M4HF/M4HM (CBN) (228) • CNMA-MW4 (CBN) (227) • CNMA-T/M1/WG (CBN) (226) • CNMA (PCD) (223)

Spare Parts

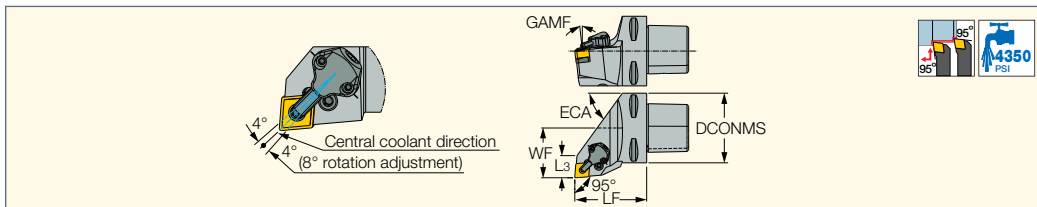
Designation									
C4 PCLNL-27050-12X	TCX 4	TCN 443	SP 4	PN 3-4L	LR 4DH	SR 117-2010	HW 3.0	EZ 62	LR 4DHTL (MR INJ)*
C4 PCLNR-27050-12X	TCX 4	TCN 443	SP 4	PN 3-4L	LR 4DH	SR 117-2010	HW 3.0	EZ 62	LR 4DHTL (MR INJ)*
C5 PCLNL-35060-12X	TCX 4	TCN 443	SP 4	PN 3-4L	LR 4DH	SR 117-2010	HW 3.0	EZ 83	LR 4DHTL (MR INJ)*
C5 PCLNR-35060-12X	TCX 4	TCN 443	SP 4	PN 3-4L	LR 4DH	SR 117-2010	HW 3.0	EZ 83	LR 4DHTL (MR INJ)*
C6 PCLNL-45065-12X	TCX 4	TCN 443	SP 4	PN 3-4L	LR 4DH	SR 117-2010	HW 3.0	EZ 83	LR 4DHTL (MR INJ)*
C6 PCLNR-45065-12X	TCX 4	TCN 443	SP 4	PN 3-4L	LR 4DH	SR 117-2010	HW 3.0	EZ 83	LR 4DHTL (MR INJ)*
C4 PCLNL-27050-16X	TCX 5	TCN 53	SP 5		LR 5	SR LCS 5	HW 3.0	EZ 104	
C4 PCLNR-27050-16X	TCX 5	TCN 53	SP 5		LR 5	SR LCS 5	HW 3.0	EZ 104	
C5 PCLNL-35060-16X	TCX 5	TCN 53	SP 5	SPP 5-6	LR 5	SR LCS 5	HW 3.0	EZ 125	
C5 PCLNR-35060-16X	TCX 5	TCN 53	SP 5		LR 5	SR LCS 5	HW 3.0	EZ 125	
C6 PCLNL-45065-16X	TCX 5	TCN 53	SP 5	SPP 5-6	LR 5	SR LCS 5	HW 3.0	EZ 125	
C6 PCLNR-45065-16X	TCX 5	TCN 53	SP 5	SPP 5-6	LR 5	SR LCS 5	HW 3.0	EZ 125	

* Optional, should be ordered separately



C#-PCLNR/L-X-JHP

Lever Lock Tools with CAMFIX
Shanks and Channels for
High-Pressure Coolant Carrying
CNMG or CNMG Inserts



Designation	DCONMS	WF	LF	L3	ECA	GAMF	Insert	CP ⁽³⁾	CDI ⁽⁴⁾
C3 PCLNR-22045-09X-JHP ⁽¹⁾	1.260	.866	1.772	.866	45.0	-6.0	CNMX 34. CNMG 33.	4350	0
C4 PCLNR/L-27050-09X-JHP ⁽¹⁾	1.575	1.063	1.968	.945	45.0	-6.0	CNMX 34. CNMG 33.	4350	1
C5 PCLNR/L-35060-09X-JHP ⁽¹⁾	1.968	1.378	2.362	1.024	45.0	-6.0	CNMX 34. CNMG 33.	4350	1
C4 PCLNR/L-27050-12X-JHP ⁽²⁾	1.575	1.063	1.968	.709	54.0	-6.0	CNMX 45. CNMG 43.	4350	1
C5 PCLNR/L-35060-12X-JHP ⁽²⁾	1.968	1.378	2.362	.787	50.0	-6.0	CNMX 45. CNMG 43.	4350	1
C6 PCLNR/L-45065-12X-JHP ⁽²⁾	2.480	1.772	2.559	.787	54.0	-6.0	CNMX 45. CNMG 43.	4350	1

• For user guide, see pages 6-7, 76-82, 677

⁽¹⁾ Supplied with TCX 3 seat for CNMX 34.. inserts and TCN 323 seat for CNMG 33. inserts.

⁽²⁾ Supplied with TCX 4 seat for CNMX 45. inserts and TCN 443 seat for CNMG 43. inserts.

⁽³⁾ Coolant pressure (PSI)

⁽⁴⁾ 1 - Hole for data chip, 0 - Without hole for data chip

For inserts, see pages: CNGA-J(CBN) (228) • CNGG-F3N (208) • CNGG-J(CBN) (229) • CNGX-M3N (209) • CNMG-CERMET (136) • CNMG-F3S (139) • CNMX-M3/4MW (144) • CNMX-M3/4PW (144) • CNMG-F3P (135) • CNMG-M3P (136) • CNMM-R3P (145) • CNMM-M4PW (145) • CNMG-F3M (138) • CNMG-M3M (138) • CNMG/CNGG-TF (142) • CNMG-GN (143) • CNMG-NR (143) • CNMG/CNGG-PP (142) • CNMG-VL (139) • CNMG/CNGG-SF (140) • CNMG-NF (140) • CNMG-WF (140) • CNMG-WG/NRW (141) • CNMS-12 (214) • CNMA (141) • CNGA-Ceramic (217) • CNMG-Ceramic (217) • CNGA-2 (CBN) (228) • CNGA-4 (CBN) (227) • CNGG-M4HF/M4HM (CBN) (228) • CNMA-MW4 (CBN) (227) • CNMA-T/M1/WG (CBN) (226) • CNMA (PCD) (223)

Spare Parts

Designation										
C3 PCLNR-22045-09X-JHP	TCX 3 ^(a)	TCN 323	SP 3	LR 3	SR 117-2014	PN 3-4	CU-CW-JHP		T-8/5	HW 2.5
C4 PCLNL-27050-09X-JHP	TCX 3 ^(a)	TCN 323	SP 3	LR 3	SR 117-2014	PN 3-4	CU-CW-JHP		T-8/5	HW 2.5
C4 PCLNR-27050-09X-JHP	TCX 3 ^(a)	TCN 323	SP 3	LR 3	SR 117-2014	PN 3-4	CU-CW-JHP		T-8/5	HW 2.5
C5 PCLNL-35060-09X-JHP	TCX 3 ^(a)	TCN 323	SP 3	LR 3	SR 117-2014	PN 3-4	CU-CW-JHP		T-8/5	HW 2.5
C5 PCLNR-35060-09X-JHP	TCX 3 ^(a)	TCN 323	SP 3	LR 3	SR 117-2014	PN 3-4	CU-CW-JHP		T-8/5	HW 2.5
C4 PCLNL-27050-12X-JHP	TCX 4	TCN 443	SP 4	LR 4DH	SR 117-2010	PN 3-4L	CU-CW-JHP	LR 4DHTL (MR INJ)*	T-8/5	HW 3.0
C4 PCLNR-27050-12X-JHP	TCX 4	TCN 443	SP 4	LR 4DH	SR 117-2010	PN 3-4L	CU-CW-JHP	LR 4DHTL (MR INJ)*	T-8/5	HW 3.0
C5 PCLNL-35060-12X-JHP	TCX 4	TCN 443	SP 4	LR 4DH	SR 117-2010	PN 3-4L	CU-CW-JHP	LR 4DHTL (MR INJ)*	T-8/5	HW 3.0
C5 PCLNR-35060-12X-JHP	TCX 4	TCN 443	SP 4	LR 4DH	SR 117-2010	PN 3-4L	CU-CW-JHP	LR 4DHTL (MR INJ)*	T-8/5	HW 3.0
C6 PCLNL-45065-12X-JHP	TCX 4	TCN 443	SP 4	LR 4DH	SR 117-2010	PN 3-4L	CU-CW-JHP	LR 4DHTL (MR INJ)*	T-8/5	HW 3.0
C6 PCLNR-45065-12X-JHP	TCX 4	TCN 443	SP 4	LR 4DH	SR 117-2010	PN 3-4L	CU-CW-JHP	LR 4DHTL (MR INJ)*	T-8/5	HW 3.0

* Optional, should be ordered separately

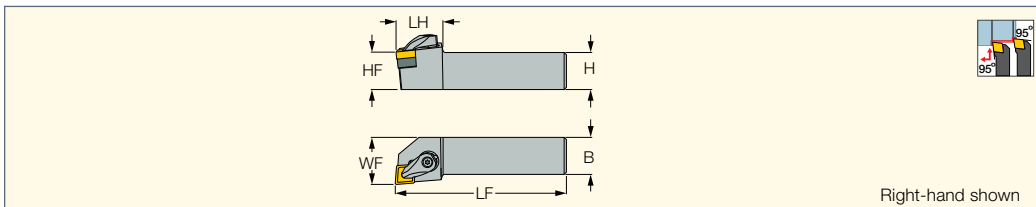
^(a) For CNMX 0906.. (CNMX 34.) inserts



ISOTURN

DCLNR/L

R-Clamp Tools with 95° Lead Angle Carrying the 80° Negative Rhombic Inserts



Designation	H	HF	B	LF	LH	WF	GAMP	GAMF	Insert
DCLNR/L 12-4 ⁽¹⁾	.750	.750	.750	4.500	1.400	1.000	-6.0	-6.0	CNMG 43 CNMX 45
DCLNR/L 16-4 ⁽¹⁾	1.000	1.000	1.000	6.000	1.400	1.250	-6.0	-6.0	CNMG 43 CNMX 45
DCLNR/L 20-4 ⁽¹⁾	1.250	1.250	1.250	6.000	1.500	1.500	-6.0	-6.0	CNMG 43 CNMX 45
DCLNR/L 16-5	1.000	1.000	1.000	6.000	1.420	1.250	-6.0	-6.0	CN..54
DCLNR/L 20-5	1.250	1.250	1.250	6.000	1.420	1.500	-6.0	-6.0	CN..54
DCLNR/L 20-6	1.250	1.250	1.250	6.000	1.610	1.500	-6.0	-6.0	CN..64
DCLNR 24-6	1.500	1.500	1.500	6.000	1.610	2.000	-6.0	-6.0	CN..64

⁽¹⁾ Use TCH 4 seat (optional) for CNMX 45... insert.

- For inserts, see pages:** • CNMG-F3S (139) • CNMG-F3P (135) • CNMG-M3P (136) • CNMM-R3P (145) • CNMM-M4PW (145) • CNMX-M3/4PW (144) • CNMG-F3M (138) • CNMG-M3M (138) • CNMG-R3M (139) • CNMX-M3/4MW (144) • CNMG/CNGG-TF (142) • CNMG-GN (143) • CNMG-NR (143) • CNMM-NR (146) • CNMG/CNGG-PP (142) • CNMG-VL (139) • CNMG-MR (144) • CNMG/CNGG-SF (140) • CNMG-NF (140) • CNMG-WF (140) • CNMG-WG/NRW (141) • CNMM-H3P (145) • CNMM-H4P (146) • CNMA (141) • CNGA-Ceramic (217) • CNMG-Ceramic (217) • CNGA-2 (CBN) (228) • CNGA-4 (CBN) (227) • CNGG-M4HF/M4HM (CBN) (228) • CNMA-MW4 (CBN) (227) • CNMA-T/M1/WG (CBN) (226) • CNMA (PCD) (223) • CNGA-J(CBN) (228) • CNGG-J(CBN) (229) • CNMG-CERMET (136)

Spare Parts

Designation								
DCLNL 12-4	RCT 443	TCH 4 ^(a) *	SR 14-506 M4X0.7	LCGR-4	SR 10400270-25.5			T-15/5
DCLNR 12-4	RCT 443	TCH 4 ^(a) *	SR 14-506 M4X0.7	LCGR-4	SR 10400270-25.5			T-15/5
DCLNL 16-4	RCT 443	TCH 4 ^(a) *	SR 14-506 M4X0.7	LCGR-4	SR 10400270-25.5			T-15/5
DCLNR 16-4	RCT 443	TCH 4 ^(a) *	SR 14-506 M4X0.7	LCGR-4	SR 10400270-25.5			T-15/5
DCLNL 20-4	RCT 443	TCH 4 ^(a) *	SR 14-506 M4X0.7	LCGR-4	SR 10400270-25.5			T-15/5
DCLNR 20-4	RCT 443	TCH 4 ^(a) *	SR 14-506 M4X0.7	LCGR-4	SR 10400270-25.5			T-15/5
DCLNL 16-5	RCT 544		SR 10402265	LCGR-5		SR 10402267	KSP 5	HW 4.0
DCLNR 16-5	RCT 544		SR 10402265	LCGR-5		SR 10402267	KSP 5	HW 4.0
DCLNL 20-5	RCT 544		SR 10402265	LCGR-5		SR 10402267	KSP 5	HW 4.0
DCLNR 20-5	RCT 544		SR 10402265	LCGR-5		SR 10402267	KSP 5	HW 4.0
DCLNL 20-6	TCN 63		SR 10402266	LCGR-6		SR 10402267	KSP 5	HW 4.0
DCLNR 20-6	TCN 63		SR 10402266	LCGR-6		SR 10402267	KSP 5	HW 4.0
DCLNR 24-6	TCN 63		SR 10402266	LCGR-6		SR 10402267	KSP 5	HW 4.0

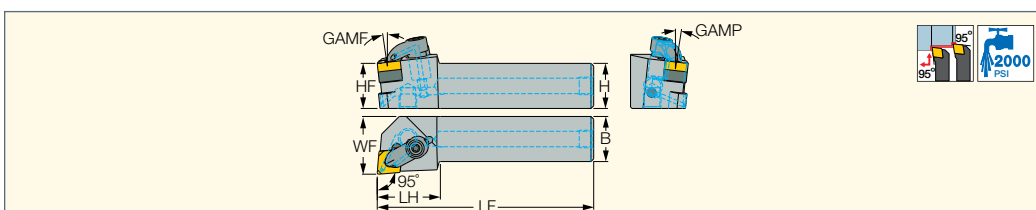
^(a) TCH 4 seat for CNMX 1207.. (CNMX 45.) insert.

ISOTURN

JET RETURN
RIGID CLAMP

DCLNR/L-JHP-MC

Rigid Clamp Tools with Channels for High-Pressure Coolant Carrying 80° Rhombic Inserts



Designation	B	HF	LF	LH	WF	GAMP	GAMF	Insert
DCLNR/L 12-4-JHP-MC	.750	.750	4.500	1.378	1.000	6.0	6.0	CNMG 43..
DCLNR/L 16-4-JHP-MC	1.000	1.000	6.000	1.378	1.250	6.0	6.0	CNMG 43..

- For inserts, see pages:** CNGA-2 (CBN) (228) • CNGA-4 (CBN) (227) • CNGA-Ceramic (217) • CNGA-J(CBN) (228) • CNGG-J(CBN) (229) • CNGG-M4HF/M4HM (CBN) (228) • CNMA (141) • CNMA (PCD) (223) • CNMA-MW4 (CBN) (227) • CNMA-T/M1/WG (CBN) (226) • CNMG-Ceramic (217) • CNMG-CERMET (136) • CNMG-F3M (138) • CNMG-F3P (135) • CNMG-F3S (139) • CNMG-GN (143) • CNMG-M3M (138) • CNMG-M3P (136) • CNMG-NF (140) • CNMG-NR (143) • CNMG-VL (139) • CNMG-WF (140) • CNMG-WG/NRW (141) • CNMG/CNGG-PP (142) • CNMG/CNGG-SF (140) • CNMG/CNGG-TF (142) • CNMM-M4PW (145) • CNMM-R3P (145) • CNMX-M3/4MW (144) • CNMX-M3/4PW (144)

Spare Parts

Designation								
DCLNL 12-4-JHP-MC	RCT 443	TCH 4 ^(a) *	LCGL-4JC SET ^(b)	SR 14-506 M4X0.7	PLG G1/8 TL360	SR M5X5 DIN913 TL360	OR 4X3 NBR70	
DCLNR 12-4-JHP-MC	RCT 443	TCH 4 ^(a) *	LCGL-4JC SET ^(b)	SR 14-506 M4X0.7	PLG G1/8 TL360	SR M5X5 DIN913 TL360	OR 4X3 NBR70	LCGR-C-4JC SET
DCLNL 16-4-JHP-MC	RCT 443	TCH 4 ^(a) *	LCGL-4JC SET ^(b)	SR 14-506 M4X0.7	PLG G1/8 TL360	SR M5X5 DIN913 TL360	OR 4X3 NBR70	
DCLNR 16-4-JHP-MC	RCT 443	TCH 4 ^(a) *	LCGL-4JC SET ^(b)	SR 14-506 M4X0.7	PLG G1/8 TL360	SR M5X5 DIN913 TL360	OR 4X3 NBR70	LCGR-C-4JC SET

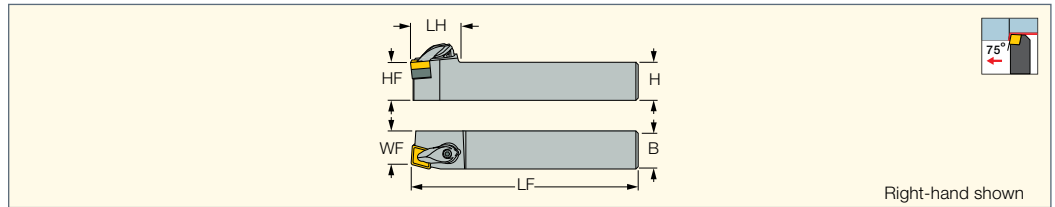
* Optional, should be ordered separately

^(a) For CNMX 1207.. (CNMX 45.) inserts

^(b) Recommended tightening torque 4Nm(35.4 lbf*in) for R-Clamp Screw

DCBNR/L

R-Clamp Tools with 75° Lead Angle Using the 100° Corner of CNMG Inserts



Right-hand shown

Designation	H	HF	B	LF	WF	LH	GAMP	GAMF	Insert
DCBNR/L 16-4	1.000	1.000	1.000	6.000	.880	1.400	-6.0	-8.0	CN..43

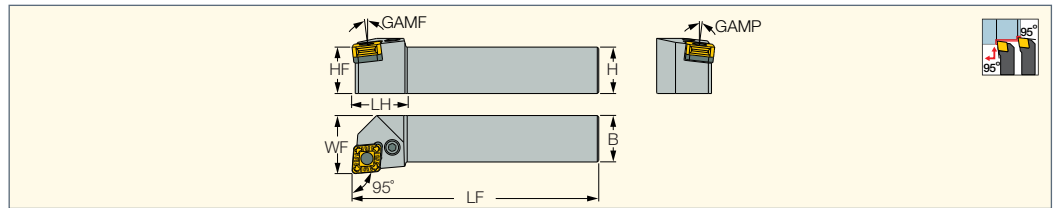
For inserts, see pages: CNMG-CERMET (136) • CNMG-F3S (139) • CNMG-F3P (135) • CNMG-M3P (136) • CNMM-R3P (145) • CNMM-M4PW (145) • CNMG-F3M (138) • CNMG-M3M (138) • CNMG/CNGG-TF (142) • CNMG-GN (143) • CNMG-NR (143) • CNMG/CNGG-PP (142) • CNMG-VL (139) • CNMG/CNGG-SF (140) • CNMG-NF (140) • CNMG-WF (140) • CNMG-WG/NRW (141) • CNMA (141) • CNGA-Ceramic (217) • CNMG-Ceramic (217)

Spare Parts

Designation					
DCBNR/L	RCT 443	SR 14-506 M4X0.7	LCGR-4	SR 10400270-25.5	T-15/5

PCLOR/L-IQ

Lever Lock and Dovetail Pocket Rigid Clamping Toolholders for Unique Double-Sided 80° Rhombic Inserts

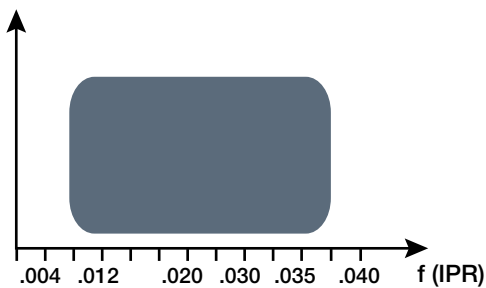


Designation	H	HF	B	LF	LH	WF	GAMP	GAMF	Insert
PCLOR/L 20-5-IQ	1.250	1.250	1.250	6.000	1.300	1.600	-6.0	-6.0	COMG 54
PCLOR/L 20-6-IQ	1.250	1.250	1.250	6.000	1.500	1.600	-6.0	-6.0	COMG 64
PCLOR/L 24-6-IQ	1.500	1.500	1.500	7.000	1.500	2.000	-6.0	-6.0	COMG 64
PCLOR/L 24-8-IQ	1.500	1.500	1.500	7.000	2.000	2.000	-6.0	-6.0	COMG 86
PCLOR/L 32-8-IQ	2.000	2.000	2.000	8.000	2.000	2.400	-6.0	-6.0	COMG 86

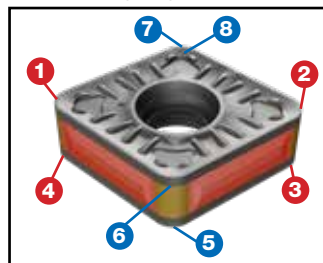
For inserts, see pages: COMG-R3P-IQ (137) • COMM-R3P-IQ (137)

New Dovetail □OMG-R3P-IQ Inserts

D.O.C.



4 Cutting Edges for 80° and 4 Cutting Edges for 100°



DOVETAIL Clamping



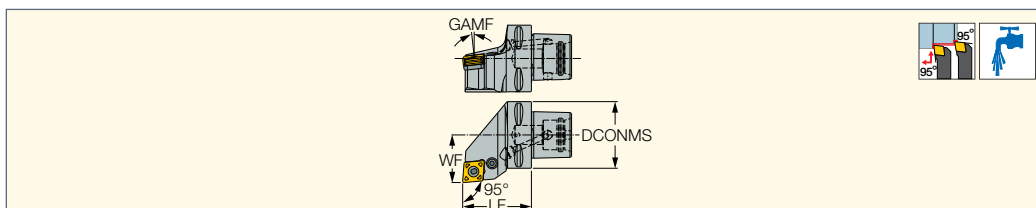
Spare Parts

Designation					
PCLOR/L 20-5-IQ	TCX 5-IQ	SP 5	SR LCS 5	LCL 16-NX	HW 3.0
PCLOR/L 20-6-IQ	TCX 5-IQ	SP 5	SR LCS 5-L25.5	LCL 16-NX	HW 3.0
PCLOR/L 24-6-IQ	TCX 6-IQ	SP 5	SR 10402352	LCL 20C-NX	HW 4.0
PCLOR/L 20-6-IQ	TCX 6-IQ	SP 5	SR 10402352	LCL 20C-NX	HW 4.0
PCLOR/L 24-6-IQ	TCX 6-IQ	SP 5	SR 10402352	LCL 20C-NX	HW 4.0
PCLOR/L 24-6-IQ	TCX 6-IQ	SP 5	SR 10402352	LCL 20C-NX	HW 4.0
PCLOR/L 24-8-IQ	TCX 8-IQ	SP 8	SR LCS 8-L39	LCL 32-NX	HW 5.0
PCLOR/L 24-8-IQ	TCX 8-IQ	SP 8	SR LCS 8-L39	LCL 32-NX	HW 5.0
PCLOR/L 32-8-IQ	TCX 8-IQ	SP 8	SR LCS 8-L39	LCL 32-NX	HW 5.0
PCLOR/L 32-8-IQ	TCX 8-IQ	SP 8	SR LCS 8-L39	LCL 32-NX	HW 5.0

DOVE IQ TURN
HEAVY DUTY LINE
CAMFIX

C#-PCLOR/L-IQ

Lever Lock and Dovetail Pocket
Tools with CAMFIX Shanks
Carrying Unique Double-Sided
80° Rhombic Inserts



Designation	DCONMS	WF	LF	GAMF	Insert
C6 PCLOR/L-45065-16-IQ	2.480	1.772	2.559	-6.0	COMG 54..
C6 PCLOR/L-45065-19-IQ	2.480	1.772	2.559	-6.0	COMG 64..
C8 PCLOR/L-55080-19-IQ	3.150	2.165	3.150	-6.0	COMG 64..
C8 PCLOR/L-55080-25-IQ	3.150	2.165	3.150	-6.0	COMG 86..

For inserts, see pages: COMG-R3P-IQ (137) • COMM-R3P-IQ (137)

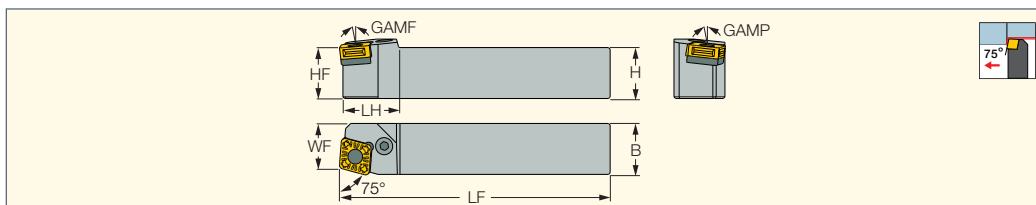
Spare Parts

Designation							
C6 PCLOR-45065-16-IQ	TCX 5-IQ	LCL 16-NX	SP 5	SATZ-M10X1-M5	HW 3.0	SR LCS 5-L25.5	SPP 5-6
C6 PCLOR-45065-19-IQ	TCX 5-IQ	LCL 16-NX	SP 5	SATZ-M10X1-M5	HW 3.0	SR LCS 5-L25.5	SPP 5-6
C6 PCLOR-45065-19-IQ	TCX 6-IQ	LCL 20C-NX	SP 5	SATZ-M10X1-M5	HW 4.0	SR 10402352	
C6 PCLOR-45065-19-IQ	TCX 6-IQ	LCL 20C-NX	SP 5	SATZ-M10X1-M5	HW 4.0	SR 10402352	
C8 PCLOR-55080-19-IQ	TCX 6-IQ	LCL 20C-NX	SP 5	SATZ-M10X1-M5	HW 4.0	SR 10402352	SPP 5-6
C8 PCLOR-55080-19-IQ	TCX 6-IQ	LCL 20C-NX	SP 5	SATZ-M10X1-M5	HW 4.0	SR 10402352	SPP 5-6
C8 PCLOR-55080-25-IQ	TCX 8-IQ	LCL 32-NX	SP 8	SATZ-M12X1-M6	HW 5.0	SR LCS 8-L39	
C8 PCLOR-55080-25-IQ	TCX 8-IQ	LCL 32-NX	SP 8	SATZ-M12X1-M6	HW 5.0	SR LCS 8-L39	

DOVE IQ TURN
HEAVY DUTY LINE

PCBOR/L-IQ

Lever Lock and Dovetail Pocket
Rigid Clamping Tools Carrying
Unique Double-Sided
80° Rhombic Inserts



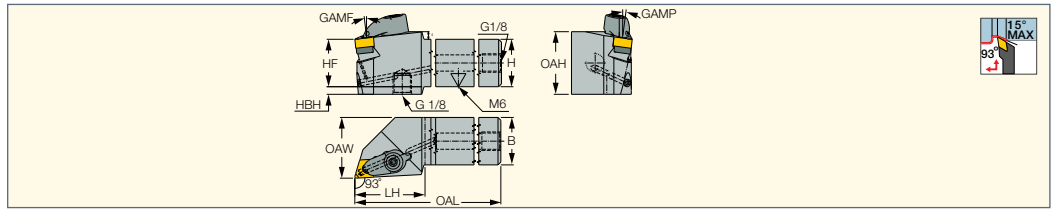
Designation	H	HF	B	LF	LH	WF	GAMP	GAMF	Insert
PCBOR/L 20-5-IQ	1.250	1.250	1.250	6.000	1.250	1.060	-6.0	-6.0	COMG 54
PCBOR/L 20-6-IQ	1.250	1.250	1.250	6.000	1.500	1.100	-6.0	-6.0	COMG 64
PCBOR/L 24-6-IQ	1.500	1.500	1.500	7.000	1.500	1.400	-6.0	-6.0	COMG 64
PCBOR 24-8-IQ	1.500	1.500	1.500	7.000	2.000	1.300	-6.0	-6.0	COMG 86
PCBOR 32-8-IQ	2.000	2.000	2.000	8.000	2.000	1.800	-6.0	-6.0	COMG 86

For inserts, see pages: COMG-R3P-IQ (137) • COMM-R3P-IQ (137)

Spare Parts

Designation					
PCBOR/L 20-5-IQ	TCX 5-IQ	SP 5	SR LCS 5	LCL 16-NX	HW 3.0
PCBOR/L 20-6-IQ	TCX 6-IQ	SP 5	SR 10402352	LCL 20C-NX	HW 4.0
PCBOR/L 24-6-IQ	TCX 6-IQ	SP 5	SR 10402352	LCL 20C-NX	HW 4.0
PCBOR 24-8-IQ	TCX 8-IQ	SP 8	SR LCS 8-L39	LCL 32-NX	HW 5.0
PCBOR 32-8-IQ	TCX 8-IQ	SP 8	SR LCS 8-L39	LCL 32-NX	HW 5.0

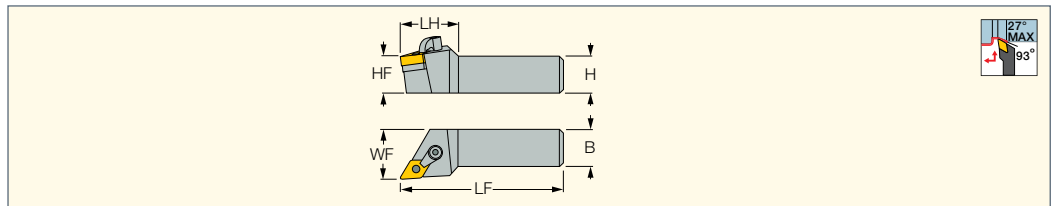
DXJNR/L-X-JHP-MC
Rigid Clamp Tools with Channels
for High-Pressure Coolant
Carrying 70° Rhombic Inserts



Designation	H	HF	HBH	LH	OAW	OAH	B	OAL	GAMP	GAMF	Insert
DXJNL 12-3-JHP-MC	.750	.750	.354	1.575	1.000	1.299	.750	4.331	6.0	6.0	XNMG 3
DXJNR 12-3-JHP-MC	.750	.750	.354	1.575	1.000	1.299	.750	4.331	6.0	6.0	XNMG 3
DXJNL 16-3-JHP-MC	1.000	1.000	.157	1.575	1.250	1.299	1.000	4.921	6.0	6.0	XNMG 3
DXJNR 16-3-JHP-MC	1.000	1.000	.157	1.575	1.250	1.299	1.000	4.921	6.0	6.0	XNMG 3
DXJNL 12-4-JHP-MC	.750	.750	.354	1.575	1.000	1.299	.750	4.331	6.0	6.0	XNMG 4
DXJNR 12-4-JHP-MC	.750	.750	.354	1.575	1.000	1.299	.750	4.331	6.0	6.0	XNMG 4
DXJNL 16-4-JHP-MC	1.000	1.000	.157	1.575	1.250	1.299	1.000	4.921	6.0	6.0	XNMG 4
DXJNR 16-4-JHP-MC	1.000	1.000	.157	1.575	1.250	1.299	1.000	4.921	6.0	6.0	XNMG 4
DXJNL 20-4-JHP-MC	1.250	1.250	0	1.575	1.500	1.417	1.250	5.512	6.0	6.0	XNMG 4
DXJNR 20-4-JHP-MC	1.250	1.250	0	1.575	1.500	1.417	1.250	5.512	6.0	6.0	XNMG 4

For inserts, see pages: XNMG-F3M (147) • XNMG-F3P (146) • XNMG-M3M (147) • XNMG-M3P (147)

MDJNR/L
Comlock 93° Lead Angle Holders
for Negative 55° Inserts



Designation	H	HF	B	LF	LH	WF	GAMP	GAMF	Insert
MDJNR/L 10-3	.625	.625	.625	4.000	1.190	.750	-6.0	-7.0	DN.. 3
MDJNR/L 12-3	.750	.750	.750	4.500	1.190	1.000	-6.0	-7.0	DN.. 3
MDJNR/L 16-3	1.000	1.000	1.000	6.000	1.190	1.250	-6.0	-7.0	DN.. 3
MDJNR 12-4	.750	.750	.750	4.500	1.670	1.000	-6.0	-7.0	DN.. 4
MDJNR/L 16-4	1.000	1.000	1.000	6.000	1.430	1.250	-6.0	-6.0	DN.. 4

For inserts, see pages: DNGA-J(CBN) (232) • DNGG-M3N (209) • DNMG-CERMET (150) • DNMG-F3S (150) • DNMG-F3P (148) • DNMG-M3P (148) • DNMX-M3P (155) • DNMM-R3P (154) • DNMG-F3M (149) • DNMG-M3M (149) • DNMG/DNGG-TF (153) • DNMG-GN (153) • DNMG-NR (153) • DNMG/DNGG-PP (152) • DNMG-VL (152) • DNMG-PF (152) • DNMG/DNGG-SF (151) • DNMG-NF (151) • DNMM-NM (154) • DNMG-WG (151) • DNMA (154) • DNGA-Ceramic (219) • DNGA-2 (CBN) (231) • DNGA-4 (CBN) (231) • DNGG-M4HF/M4HM (CBN) (232) • DNMA (CBN) (230)

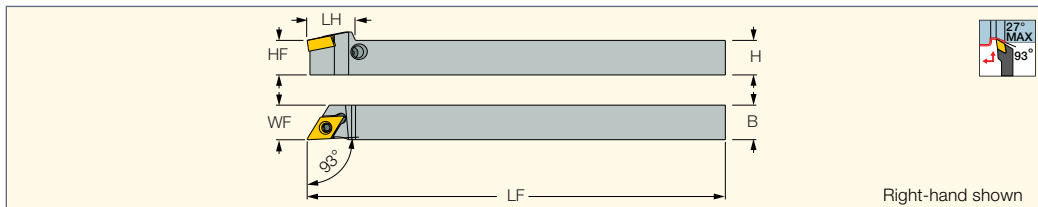
Spare Parts

Designation						
MDJNR/L 10-3	IDSN 322	NL 34-L	HW 5/64"	CL 5	XNS 35 COM	HW 3/32"
MDJNR/L 12-3	IDSN 322	NL 34-L	HW 5/64"	CL 5	XNS 35 COM	HW 3/32"
MDJNR/L 16-3	IDSN 322	NL 34-L	HW 5/64"	CL 5	XNS 35 COM	HW 3/32"
MDJNR 12-4	IDSN 433	NL 46	HW 1/8"	CL 6		HW 3/32"
MDJNR/L 16-4	IDSN 433	NL 46	HW 1/8"	CL 6		HW 3/32"

ISOTURN

PDJNR/L-S

Lever Lock Tools Carrying
DNGP 22.. Double-Sided
55° Rhombic Inserts



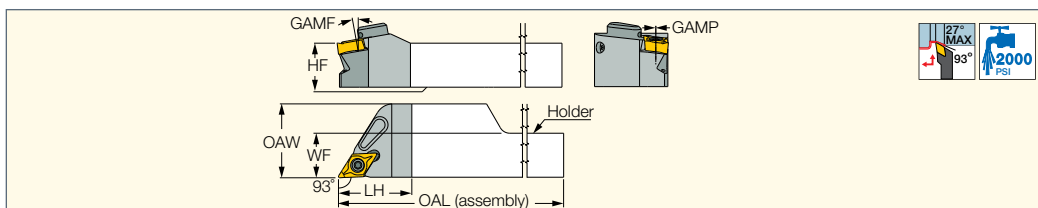
Designation	H	HF	B	LF	LH	WF	Insert				
PDJNR/L 1010X-07S	.394	.394	.394	4.724	.551	.394	DNGP 07	SR 10400611	HW 2.0/5	SL LV-2	SL PI-2 PIN
PDJNR/L 1212F-07S	.472	.472	.472	3.150	.551	.472	DNGP 07	SR 10400611	HW 2.0/5	SL LV-2	SL PI-2 PIN
PDJNR/L 1212X-07S	.472	.472	.472	4.724	.551	.472	DNGP 07	SR 10400611	HW 2.0/5	SL LV-2	SL PI-2 PIN
PDJNR/L 1616X-07S	.630	.630	.630	4.724	.710	.630	DNGP 07	SR 10400611	HW 2.0/5	SL LV-2	SL PI-2 PIN

• Use a left-hand insert on a right-hand tool and vice versa.
For inserts, see pages: DNGP-F2M (149) • DNGP-F2P (148)

NEOSWISS
INDEXABLE HEADS
MINIPTURN
POSITIVE DOUBLE SIDED

NQCH-SDJNR/L-S-JHP

Screw Lock JETCUT Modular
Heads Carrying Positive
Double-Sided 55° Rhombic
Inserts for Swiss-Type Machines



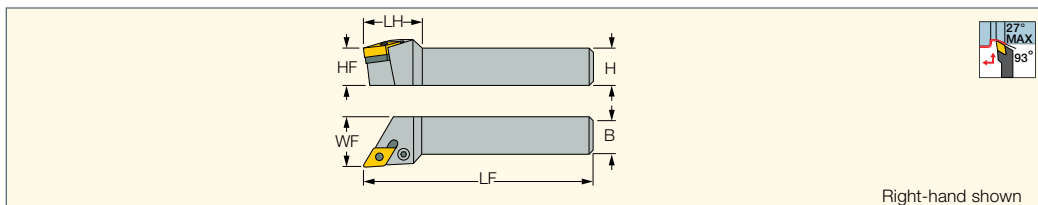
Designation	WF	HF	LH	OAL	OAW	GAMP	GAMP	Insert		
NQCH12-SDJNR/L-07S-JHP	.478	.472	.787	4.724	.793	0	10.0	DNGP 0703#(22#)	SR 34-514	T-7/5
NQCH16-SDJNR/L-07S-JHP	.636	.630	.787	4.724	.793	0	10.0	DNGP 0703#(22#)	SR 34-514	T-7/5

For inserts, see pages: DNGP-F2M (149) • DNGP-F2P (148)
For holders, see pages: NQCH-JHP (60)

ISOTURN

PDJNR/L

Lever Lock Tools Carrying 55°
Negative Rhombic Inserts



Designation	H	HF	B	LF	LH	WF	GAMP	GAMP
PDJNR 12-4	.750	.750	.750	4.500	1.400	1.000	-6.0	-6.0
PDJNR/L 16-4	1.000	1.000	1.000	6.000	1.400	1.250	-6.0	-6.0
PDJNR/L 20-4	1.250	1.250	1.250	6.000	1.500	1.500	-6.0	-6.0

• For DN.. 44. inserts use TDN 422 seat (ordered separately)
For inserts, see pages: DNGA-J(CBN) (232) • DNMG-CERMET (150) • DNMG-F3S (150) • DNMG-F3P (148) • DNMG-M3P (148) • DNMX-M3P (155)
• DNMM-R3P (154) • DNMG-F3M (149) • DNMG-M3M (149) • DNMG/DNGG-TF (153) • DNMG-GN (153) • DNMG-NR (153) • DNMG/DNGG-PP (152)
• DNMG-VL (152) • DNMG-PF (152) • DNMG/DNGG-SF (151) • DNMG-NF (151) • DNMM-NM (154) • DNMG-WG (151) • DNMS-12 (214) • DNMA (154)
• DNGA-Ceramic (219) • DNGA-2 (CBN) (231) • DNGA-4 (CBN) (231) • DNGG-M4HF/M4HM (CBN) (232) • DNMA (CBN) (230)

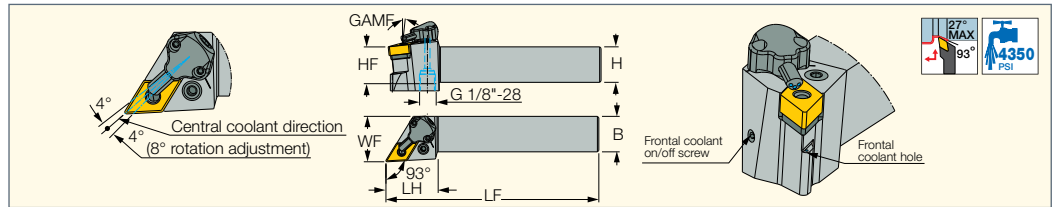
Spare Parts

Designation						
PDJNR/L	TDN 432	SP 4	PN 3-4	LR 4D	SR 117-2010	HW 3.0

ISOTURN JETCUT

PDJNR/L-4-JHP

Lever Lock Tools with Channels for High Pressure Coolant Carrying 55° Negative Rhombic Inserts



Designation	B	H	HF	LF	LH	WF	GAMP	GAMF	Insert
PDJNR/L 16-4-JHP	1.000	1.000	1.000	6.000	1.450	1.250	-6.0	-6.0	DNMG 44
PDJNR/L 20-4-JHP	1.250	1.250	1.250	6.000	1.450	1.500	-6.0	-6.0	DNMG 44

- For DN.. 44. inserts use TDN 422 seat (ordered separately) • For user guide, see pages 6-7, 76-82
- For inserts, see pages:** DNGA-J(CBN) (232) • DNMG-CERMET (150) • DNMG-F3S (150) • DNMG-F3P (148) • DNMG-M3P (148) • DNMX-M3P (155) • DNMM-R3P (154) • DNMG-F3M (149) • DNMG-M3M (149) • DNMG/DNGG-TF (153) • DNMG-GN (153) • DNMG-NR (153) • DNMG/DNGG-PP (152) • DNMG-VL (152) • DNMG-PF (152) • DNMG/DNGG-SF (151) • DNMG-NF (151) • DNMM-NM (154) • DNMG-WG (151) • DNMS-12 (214) • DNMA (154) • DNGA-Ceramic (219) • DNGA-2 (CBN) (231) • DNGA-4 (CBN) (231) • DNGG-M4HF/M4HM (CBN) (232) • DNMA (CBN) (230)

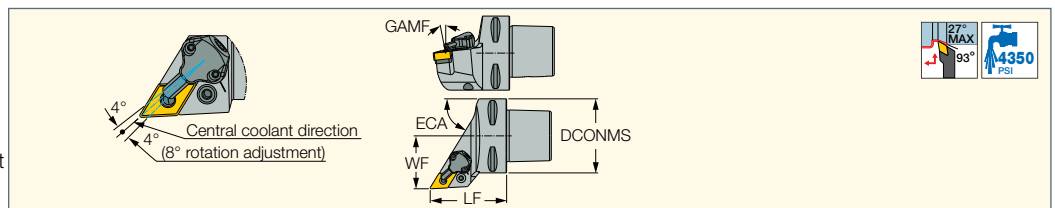
Spare Parts

Designation									
PDJNR/L-4-JHP	TDN 432	HW 2.0	LR 4D	HW 3.0	SR 117-2010	T-8/5	CU-D-JHP	SP 4	PN 3-4

ISOTURN CAMFIX

C#-PDJNR/L-JHP

Lever Lock Tools with CAMFIX Exchangeable Shanks and Channels for High-Pressure Coolant Carrying Negative 55° Insert



Designation	DCONMS	WF	LF	GAMP	ECA	Insert	CP ⁽¹⁾	CDI ⁽²⁾
C3 PDJNR-22045-11-JHP	1.260	.866	1.772	-6.0	58.0	DN.. 11..	4350	0
C4 PDJNL 27050-11-JHP	1.575	1.063	2.165	-6.0	58.0	DN.. 11..	4350	1
C4 PDJNR 27050-11-JHP	1.575	1.063	1.968	-6.0	58.0	DN.. 11..	4350	1
C5 PDJNR/L 35060-11-JHP	1.968	1.378	2.362	-6.0	58.0	DN.. 11..	4350	1
C4 PDJNR/L 27055-15-JHP	1.575	1.063	2.165	-6.0	58.0	DN.. 15..	4350	1
C5 PDJNR/L 35060-15-JHP	1.968	1.378	2.362	-6.0	58.0	DN.. 15..	4350	1
C6 PDJNR/L 45065-15-JHP	2.480	1.772	2.559	-6.0	58.0	DN.. 15..	4350	1

- For user guide, see pages 6-7, 76-82, 677
- ⁽¹⁾ Coolant pressure (PSI)
- ⁽²⁾ 1 - Hole for data chip, 0 - Without hole for data chip
- For inserts, see pages:** DNGA-J(CBN) (232) • DNMG-F3S (150) • DNMG-F3P (148) • DNMG-M3P (148) • DNMX-M3P (155) • DNMM-R3P (154) • DNMG-F3M (149) • DNMG-M3M (149) • DNMG/DNGG-TF (153) • DNMG-GN (153) • DNMG-NR (153) • DNMG/DNGG-PP (152) • DNMG-VL (152) • DNMG-PF (152) • DNMG/DNGG-SF (151) • DNMG-NF (151) • DNMM-NM (154) • DNMG-WG (151) • DNMS-12 (214) • DNMA (154) • DNGA-Ceramic (219) • DNGA-2 (CBN) (231) • DNGA-4 (CBN) (231) • DNGG-M4HF/M4HM (CBN) (232) • DNMA (CBN) (230) • DNGG-M3N (209) • DNMG-CERMET (150)

Spare Parts

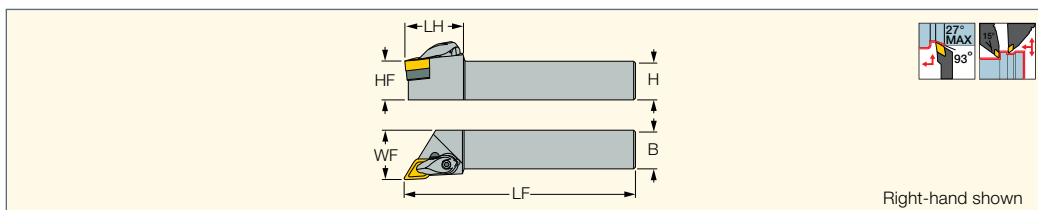
Designation									
C3 PDJNR-22045-11-JHP	TDN 322		LR 3D	SR 117-2014	SP 3	PN 3-4	CU-D-JHP	T-8/5	HW 2.5/5
C4 PDJNR/L 27050-11-JHP	TDN 322		LR 3D	SR 117-2014	SP 3	PN 3-4	CU-D-JHP	T-8/5	HW 2.5/5
C5 PDJNR/L 35060-11-JHP	TDN 322		LR 3D	SR 117-2014	SP 3	PN 3-4	CU-D-JHP	T-8/5	HW 2.5/5
C4 PDJNR/L 27055-15-JHP	TDN 422	TDN 432 ^(a) *	LR 4D	SR 117-2010	SP 4	PN 3-4	CU-D-JHP	T-8/5	HW 3.0
C5 PDJNR/L 35060-15-JHP	TDN 422	TDN 432 ^(a) *	LR 4D	SR 117-2010	SP 4	PN 3-4	CU-D-JHP	T-8/5	HW 3.0
C6 PDJNR/L 45065-15-JHP	TDN 422	TDN 432 ^(a) *	LR 4D	SR 117-2010	SP 4	PN 3-4	CU-D-JHP	T-8/5	HW 3.0

* Optional, should be ordered separately
^(a) Use for DNMG 1504.. inserts

ISOTURN

DDJNR/L

R-Clamp Tools with 93° Lead Angle Carrying 55° Negative Rhombic Inserts



Right-hand shown

Designation	H	HF	B	LF	LH	WF	GAMP	GAMF	Insert
DDJNR/L 10-3A	.625	.625	.625	4.000	1.180	.750	-7.0	-6.0	DNMG 33.
DDJNR/L 12-3B	.750	.750	.750	4.500	1.180	1.000	-7.0	-6.0	DNMG 33.
DDJNR/L 16-3D	1.000	1.000	1.000	6.000	1.180	1.250	-7.0	-6.0	DNMG 33.
DDJNR/L 12-4	.750	.750	.750	4.500	1.540	1.000	-6.0	-6.0	DNMG 4..
DDJNR/L 16-4	1.000	1.000	1.000	6.000	1.540	1.250	-6.0	-6.0	DNMG 4..

For inserts, see pages: DNGA-J(CBN) (232) • DNMG-F3S (150) • DNMG-F3P (148) • DNMG-M3P (148) • DNMX-M3P (155) • DNMM-R3P (154) • DNMG-CERMET (150) • DNGG-M3N (209) • DNMG-F3M (149) • DNMG-M3M (149) • DNMG/DNGG-TF (153) • DNMG-GN (153) • DNMG-NR (153) • DNMG/DNGG-PP (152) • DNMG-VL (152) • DNMG-PF (152) • DNMG/DNGG-SF (151) • DNMG-NF (151) • DNMM-NM (154) • DNMG-WG (151) • DNMA (154) • DNGA-Ceramic (219) • DNGA-2 (CBN) (231) • DNGA-4 (CBN) (231) • DNGG-M4HF/M4HM (CBN) (232) • DNMA (CBN) (230)

Spare Parts

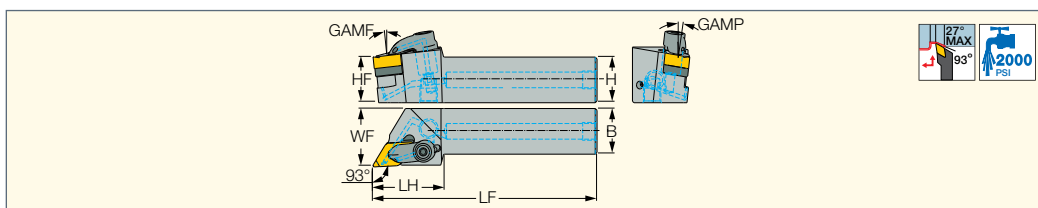
Designation							
DDJNR/L 10-3A	RDT 3-2	SR 400851	LCGR-3	SR RC3	HW 2.5	KSP 3	
DDJNR/L 12-3B	RDT 3-2	SR 400851	LCGR-3	SR RC3	HW 2.5	KSP 3	
DDJNR/L 16-3D	RDT 3-2	SR 400851	LCGR-3	SR RC3	HW 2.5	KSP 3	
DDJNR/L 12-4	RDT 443	SR 14-506 M4X0.7	LCGR-4	SR 10400270-25.5			T-15/5
DDJNR/L 16-4	RDT 443	SR 14-506 M4X0.7	LCGR-4	SR 10400270-25.5			T-15/5

ISOTURN

JET RETURN
RIGID CLAMP

DDJNR/L-JHP-MC

Rigid Clamp Tools with Channels for High-Pressure Coolant Carrying 55° Rhombic Inserts



Designation	B	HF	LF	LH	WF	GAMP	GAMF	Insert
DDJNR/L 12-4-JHP-MC	.750	.750	4.500	1.575	1.000	6.0	6.0	DNMG/X 43
DDJNR/L 16-4-JHP-MC	1.000	1.000	6.000	1.575	1.250	6.0	6.0	DNMG/X 43

• Use RDT 433 seat for DNMX inserts

For inserts, see pages: DNGA-2 (CBN) (231) • DNGA-4 (CBN) (231) • DNGA-Ceramic (219) • DNGA-J(CBN) (232) • DNGG-M4HF/M4HM (CBN) (232) • DNMA (154) • DNMA (CBN) (230) • DNMG-CERMET (150) • DNMG-F3M (149) • DNMG-F3P (148) • DNMG-F3S (150) • DNMG-GN (153) • DNMG-M3M (149) • DNMG-M3P (148) • DNMG-NF (151) • DNMG-NR (153) • DNMG-PF (152) • DNMG-VL (152) • DNMG-WG (151) • DNMG/DNGG-PP (152) • DNMG/DNGG-SF (151) • DNMG/DNGG-TF (153) • DNMM-NM (154) • DNMM-R3P (154) • DNMX-M3P (155)

Spare Parts

Designation							
DDJNR/L 12-4-JHP-MC	RDT 443	RDT 433*	LCGR/L-4JC SET ^(a)	SR 14-506 M4X0.7	PLG G1/8 TL360	SR M4X4 DIN913 TL360	OR 4X3 NBR70
DDJNL 16-4-JHP-MC	RDT 443	RDT 433	LCGR/L-4JC SET ^(a)	SR 14-506 M4X0.7	PLG G1/8 TL360	SR M4X4 DIN913 TL360	
DDJNR 16-4-JHP-MC	RDT 443	RDT 433*	LCGR/L-4JC SET ^(a)	SR 14-506 M4X0.7	PLG G1/8 TL360	SR M4X4 DIN913 TL360	OR 4X3 NBR70

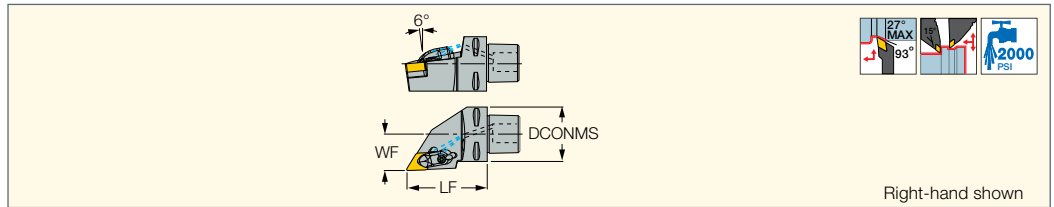
* Optional, should be ordered separately

^(a) Recommended tightening torque 4Nm for R-Clamp Screw

ISOTURN CAMFIX

C#-DDJNR/L

Tools with CAMFIX Exchangeable
Tapered Shanks Carrying
Negative 55° Rhombic Inserts



Designation	DCONMS	WF	LF	Insert	GAMF	CP ⁽¹⁾	CDI ⁽²⁾
C4 DDJNR/L-27060-15	1.575	1.063	2.362	DN..4..	6.0	2030	1
C5 DDJNR/L-35060-15	1.968	1.378	2.362	DN..4..	6.0	2030	1
C6 DDJNR/L-45065-15	2.480	1.772	2.559	DN..4..	6.0	2030	1

• Use RDT 443 seat for DN.. 43. inserts

⁽¹⁾ Coolant pressure (PSI)

⁽²⁾ 1 - Hole for data chip, 0 - Without hole for data chip

For inserts, see pages: DNGA-J(CBN) (232) • DNMG-F3S (150) • DNMG-F3P (148) • DNMG-M3P (148) • DNMX-M3P (155) • DNMM-R3P (154)
• DNMG-F3M (149) • DNMG-M3M (149) • DNMG/DNGG-TF (153) • DNMG-GN (153) • DNMG-NR (153) • DNMG/DNGG-PP (152) • DNMG-VL (152)
• DNMG-PF (152) • DNMG/DNGG-SF (151) • DNMG-NF (151) • DNMM-NM (154) • DNMG-WG (151) • DNMA (154) • DNGA-Ceramic (219) • DNGA-2 (CBN) (231)
• DNGA-4 (CBN) (231) • DNGG-M4HF/M4HM (CBN) (232) • DNMA (CBN) (230) • DNMG-CERMET (150)

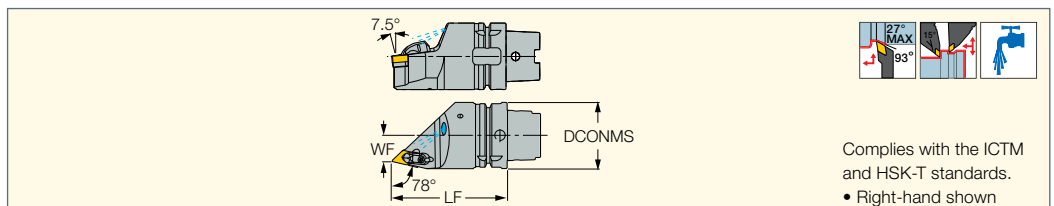
Spare Parts

Designation							
C4 DDJNL-27060-15	RDT 433	RDT 443*	T-15/5	LCGR-4	SR 10400270-25.5	SR 14-506 M4X0.7	EZ 62
C4 DDJNR-27060-15	RDT 433		T-15/5	LCGR-4	SR 10400270-25.5	SR 14-506 M4X0.7	EZ 62
C5 DDJNL-35060-15	RDT 433		T-15/5	LCGR-4	SR 10400270-25.5	SR 14-506 M4X0.7	EZ 83
C5 DDJNR-35060-15	RDT 433	RDT 443*	T-15/5	LCGR-4	SR 10400270-25.5	SR 14-506 M4X0.7	EZ 83
C6 DDJNR/L-45065-15	RDT 433	RDT 443*	T-15/5	LCGR-4	SR 10400270-25.5	SR 14-506 M4X0.7	EZ 104

R-CLAMP HSK

HSK A63WH-DDJNR/L

R-Clamp Turning Tools with HSK
Taper Shank Carrying Negative
DNMG Inserts for Mounting
on a 15° Turn-Mill Machines



Designation	DCONMS	LF	WF	Insert	GAMF	CDI ⁽²⁾							
HSK A63WH DDJNR/L J15 ⁽¹⁾	2.480	4.331	.984	DN.. 15	7.5	0	RDT 433	RDT 443*	SR 14-506 M4X0.7	LCGR-4	SR 10400270-25.5	T-15/5	EZ 104

• Complies with ICTM standard (ISO 12164-3). • A cooling tube must be used with all coolant through HSK spindles (should be ordered separately).

• For shank dimensions, see page 686

⁽¹⁾ RDT 443 for DN__ 43.. insert.

⁽²⁾ 1 - Hole for data chip, 0 - Without hole for data chip

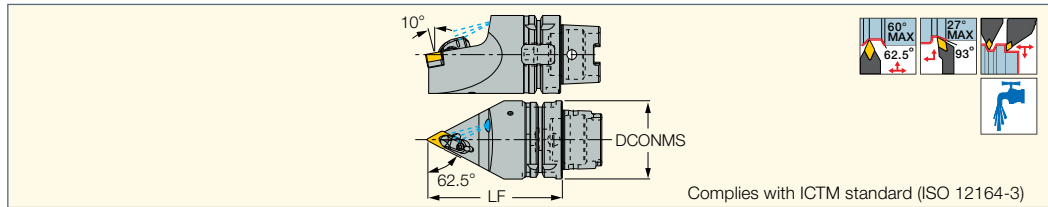
* Optional, should be ordered separately

For inserts, see pages: DNGA-J(CBN) (232) • DNMG-CERMET (150) • DNMG-F3S (150) • DNMG-F3P (148) • DNMG-M3P (148) • DNMX-M3P (155)
• DNMM-R3P (154) • DNMG-F3M (149) • DNMG-M3M (149) • DNMG/DNGG-TF (153) • DNMG-GN (153) • DNMG-NR (153) • DNMG/DNGG-PP (152)
• DNMG-VL (152) • DNMG-PF (152) • DNMG/DNGG-SF (151) • DNMG-NF (151) • DNMM-NM (154) • DNMA (154) • DNGA-Ceramic (219) • DNGA-2 (CBN) (231)
• DNGA-4 (CBN) (231) • DNGG-M4HF/M4HM (CBN) (232) • DNMA (CBN) (230)

R-CLAMP HSK

HSK A63WH-DDNNN

R-Clamp Turning Tools with HSK Taper Shank Carrying Negative DNMG Inserts



Designation	LF	Insert	GAMF	CDI ⁽²⁾	DCONMS							
HSK A63WH DDNNN J15 ⁽¹⁾	4.331	DN.. 15	10.0	0	2.480	RDT 433	RDT 443*	SR 14-506 M4X0.7	LCGR-4	SR 10400270-25.5 ^(a)	T-15/5	EZ 104

• A cooling tube must be used with all coolant through HSK spindles (should be ordered separately). • For shank dimensions, see page 686

⁽¹⁾ RDT 443 for DN__ 43.. insert.

⁽²⁾ 1 - Hole for data chip, 0 - Without hole for data chip

* Optional, should be ordered separately

^(a) Recommended tightening torque: 3 N*m

For inserts, see pages: DNGA-J(CBN) (232) • DNMG-CERMET (150) • DNMG-F3S (150) • DNMG-F3P (148) • DNMG-M3P (148) • DNMX-M3P (155)

• DNMM-R3P (154) • DNMG-F3M (149) • DNMG-M3M (149) • DNMG/DNGG-TF (153) • DNMG-GN (153) • DNMG-NR (153) • DNMG/DNGG-PP (152)

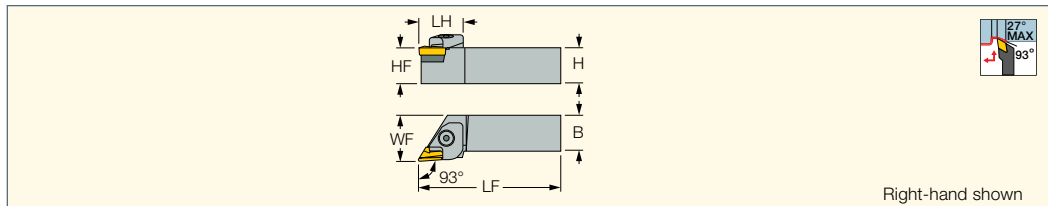
• DNMG-VL (152) • DNMG-PF (152) • DNMG/DNGG-SF (151) • DNMG-NF (151) • DNMM-NM (154) • DNMG-WG (151) • DNMA (154) • DNGA-Ceramic (219)

• DNGA-2 (CBN) (231) • DNGA-4 (CBN) (231) • DNGG-M4HF/M4HM (CBN) (232) • DNMA (CBN) (230)

ISOTURN

CKJNR

Top Clamp Toolholders with 93° Lead Angle for Negative, 55° Parallelogram Inserts



Designation	H	HF	B	LF	LH	WF	GAMP	GAMF
CKJNR 16-3	1.000	1.000	1.000	6.000	1.310	1.250	-6.0	0

For inserts, see pages: KNMX (155) • KNUX (155)

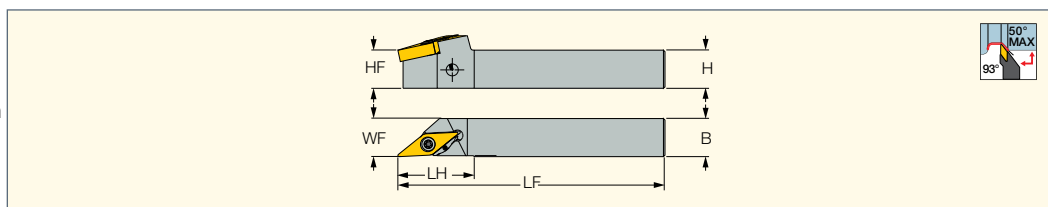
Spare Parts

Designation								
CKJNR 16-3	CSK 1604 R	SR M3X0.5X10DIN7991 10.9	KSP 90	KSP 48	KSP 48S	CL 16KR	CLS 16K	HW 4.0

ISOTURN

SVANR/L-FS

Screw Lock Holders for Negative, 35° Inserts with a Wedge for High Rigidity in Profiling Applications



Designation	H	HF	B	LF	LH	WF				
SVANR/L 08-2.5FS	.500	.500	.500	5.000	1.000	.500	AV 12	PA 12	SR 14-551	T-9/5
SVANR/L 10-2.5FS	.625	.625	.625	5.000	1.000	.630	AV 12	PA 12	SR 14-551	T-9/5

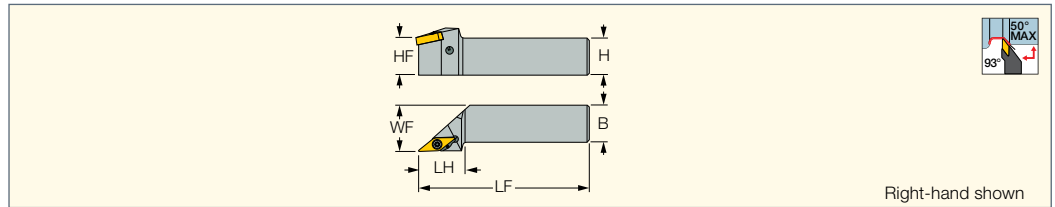
For inserts, see pages: VNMG-F3M (156) • VNMG-F3P (156) • VNMG-F3S (157) • VNMG-FNF-CERMET (157) • VNMG-M3M (156) • VNMG-SF (157)

• VNMG/VNGG-NF (158) • VNMM-PP (158)

ISOTURN

SVJNR/L-F

Screw Lock Tools with a Wedge for High Rigidity Carrying 35° Negative Inserts for Profiling Applications



Right-hand shown

Designation	H	HF	B	LF	LH	WF	GAMP	GAMF				
SVJNR/L 10-2.5F	.625	.625	.625	4.000	1.000	.800	-6.0	-12.0	SR 14-551	T-9/5	AV 12	PA 12
SVJNR/L 12-2.5F	.750	.750	.750	5.000	1.000	1.000	-6.0	-12.0	SR 14-551	T-9/5	AV 12	PA 12
SVJNR/L 16-2.5F	1.000	1.000	1.000	6.000	1.190	1.250	-6.0	-12.0	SR 14-551	T-9/5	AV 12	PA 12

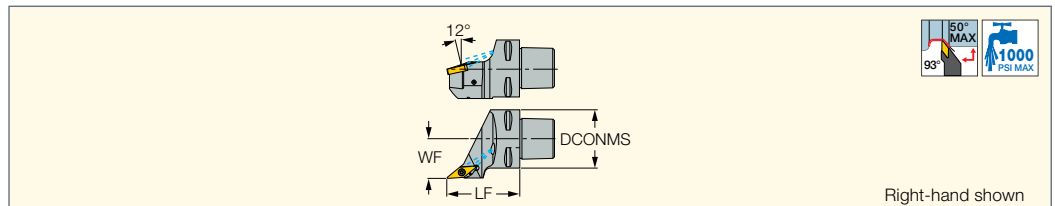
• Repeatability: For VNMG IS $\pm .0024''$, for VNGG IS $\pm .0008''$

For inserts, see pages: VNMG-F3M (156) • VNMG-F3P (156) • VNMG-F3S (157) • VNMG-FNF-CERMET (157) • VNMG-M3M (156) • VNMG-SF (157) • VNMG/VNGG-NF (158) • VNMM-PP (158)

ISOTURN CAMFIX

C#-SVJNR/L-F

Screw Lock Tools with CAMFIX Exchangeable Shanks Carrying 35° Negative Rhombic Inserts



Right-hand shown

Designation	DCONMS	WF	LF	Insert	CP ⁽¹⁾	CDI ⁽²⁾	GAMF					
C4 SVJNR/L-27050-12F	1.575	1.063	1.968	VN.. 12T3	1015	1	12.0	AV 12	PA 12	SR 14-551	T-9/5	EZ 83

⁽¹⁾ Coolant pressure (PSI)

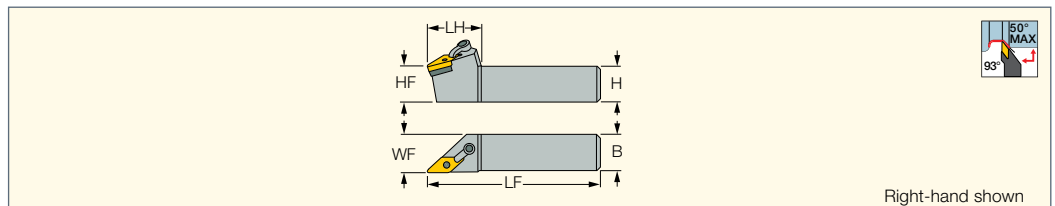
⁽²⁾ 1 - Hole for data chip, 0 - Without hole for data chip

For inserts, see pages: VNMG-F3M (156) • VNMG-F3P (156) • VNMG-F3S (157) • VNMG-FNF-CERMET (157) • VNMG-M3M (156) • VNMG-SF (157) • VNMG/VNGG-NF (158) • VNMM-PP (158)

ISOTURN

MVJNR/L

Comlock Tools Carrying 35° Negative Rhombic Inserts



Right-hand shown

Designation	H	HF	B	LF	LH	WF	GAMP	GAMF
MVJNR/L 12-3	.750	.750	.750	6.000	1.690	1.000	-5.5	-10.5
MVJNR 16-3	1.000	1.000	1.000	6.000	1.690	1.250	-5.5	-10.5

For inserts, see pages: VNGA-J(CBN) (234) • VNGG-M3N (210) • VNMG-F3M (156) • VNMG-F3P (156) • VNMG-M3M (156) • VNMG-TF (158)

• YNMG-F3P (159) • VNMG/VNGG-NF (158) • VNMS-12 (215) • VNGA-Ceramic (220) • VNGA-2 (CBN) (233) • VNGA-4 (CBN) (233) • VNGG-M4HM (CBN) (234)

Spare Parts

Designation								
MVJNR/L	IVSN 322	IVSN 323 ^{(a)*}	IYSN 322 ^{(b)*}	NL 34-L	CL 30-INJ	XNS 510	HW 5/32 [*]	HW 5/64 [*]

* Optional, should be ordered separately

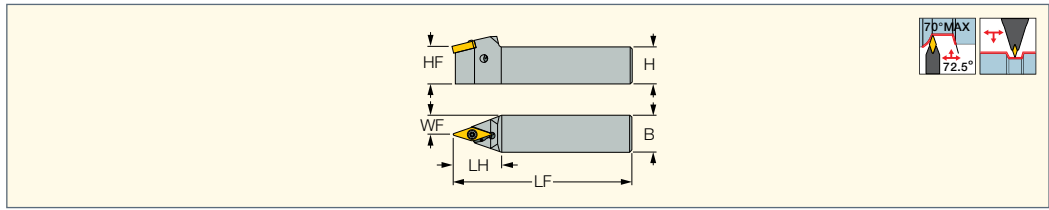
^(a) Use for VNMG 333 inserts

^(b) Use for YNMG inserts

ISOTURN

SVVNN-F

Screw Lock Tools with a Wedge for High Rigidity in Profiling Applications Carrying 35° Negative Inserts

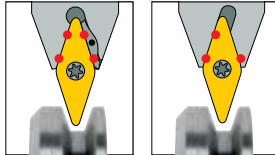


Designation	H	HF	B	LF	LH	WF	GAMP	GAMF	Insert				
SVVNN 10-2.5F	.625	.625	.625	4.000	1.030	.310	0	-14.0	VN.. 2.5	SR 14-551	T-9/5	PA 12	AV 12
SVVNN 12-2.5F	.750	.750	.750	5.000	1.030	.380	0	-14.0	VN.. 2.5	SR 14-551	T-9/5	PA 12	AV 12
SVVNN 16-2.5F	1.000	1.000	1.000	6.000	1.030	.500	0	-14.0	VN.. 2.5	SR 14-551	T-9/5	PA 12	AV 12

• Repeatability: For VNMG IS ±.0024", for VNGG IS ± .0008"

For inserts, see pages: VNMG-F3M (156) • VNMG-F3P (156) • VNMG-F3S (157) • VNMG-FNF-CERMET (157) • VNMG-M3M (156) • VNMG-SF (157) • VNMG/VNGG-NF (158) • VNMM-PP (158)

4 contact points ensure secure and precise clamping

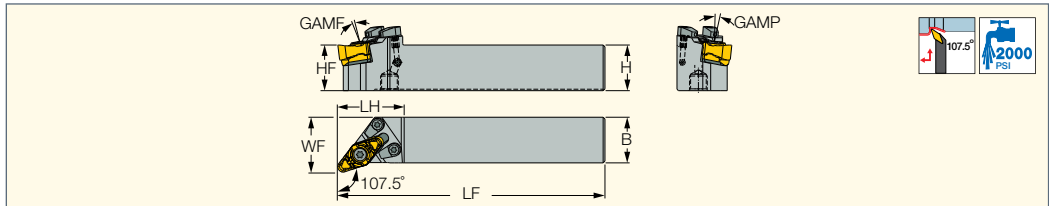


Conventional Clamping

ISOTURN JETCUT

SVHNR/L-AL-JHP

Screw Lock Tools with Channels for High-Pressure Coolant Carrying 35° Rhombic Inserts



Designation	H	B	HF	LF	LH	WF	GAMP	GAMF	MIID ⁽¹⁾
SVHNR/L 16-4-AL-JHP	1.000	1.000	1.000	5.761	1.431	1.182	7.0	6.0	VNGU 220630-R3N

⁽¹⁾ Master insert identification

For inserts, see pages: VNGU-R3N (210)

Spare Parts

Designation										
SVHNR/L 16-4-AL-JHP	TVX 2230 ^(a)	SR TC-4	SW6-T-SH	BLD T20/S7	SR 14-591/L-SN	HW 3.0	CH-1.9D-JHP-A SET	TVX 2212 ^(b) *	TVX 2216 ^(c) *	

* Optional, should be ordered separately

^(a) For VNGU 220630-R3N insert

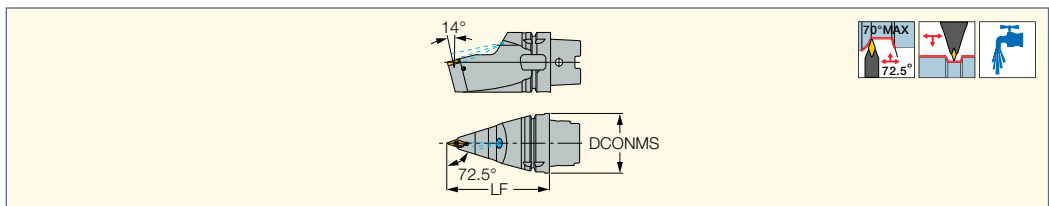
^(b) For VNGU 220612-R3N insert

^(c) For VNGU 220616-R3N insert

ISOTURN HSK

HSK A63WH-SVVNN-F

72.5° Lead Angle Tools with HSK Exchangeable Tapered Shanks Carrying 35° Negative Inserts



Designation	DCONMS	LF	GAMF	Insert	CDI ⁽¹⁾					
HSK A63WH-SVVNN-J12F	2.480	4.331	14.0	VNM. 12T3	0	SR 14-551	T-9/5	AV 12	PA 12	EZ 104

• Complies with ICTM standard (ISO 12164-3) • A cooling tube must be used with all coolant through HSK spindles (should be ordered separately)

• For shank dimensions, see page 686

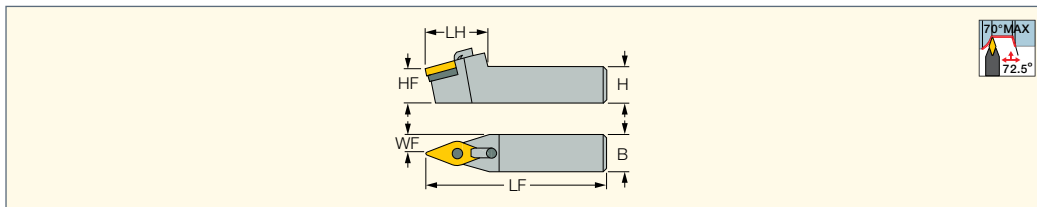
⁽¹⁾ 1 - Hole for data chip, 0 - Without hole for data chip

For inserts, see pages: VNMG-F3M (156) • VNMG-F3P (156) • VNMG-F3S (157) • VNMG-FNF-CERMET (157) • VNMG-M3M (156) • VNMG-SF (157)

• VNMG/VNGG-NF (158) • VNMM-PP (158)

MVVNN

Pin and Clamp Tools Carrying
35° Negative Rhombic Inserts



Designation	H	HF	B	LF	LH	WF	Insert
MVVNN 12-3	.750	.750	.750	5.000	1.890	.380	VNMG 33..
MVVNN 16-3	1.000	1.000	1.000	6.000	1.890	.500	VNMG 33..

For inserts, see pages: VNGA-J(CBN) (234) • VNGG-M3N (210) • VNMG-F3M (156) • VNMG-F3P (156) • VNMG-M3M (156) • VNMG-TF (158)
• YNMG-F3P (159) • VNMG/VNGG-NF (158) • VNMS-12 (215) • VNGA-Ceramic (220) • VNGA-2 (CBN) (233) • VNGA-4 (CBN) (233) • VNGG-M4HM (CBN) (234)

Spare Parts

Designation						
MVVNN	IVSN 322	NL 34-L	CL 30-INJ	XNS 510	HW 5/32"	HW 5/64"

* Optional, should be ordered separately

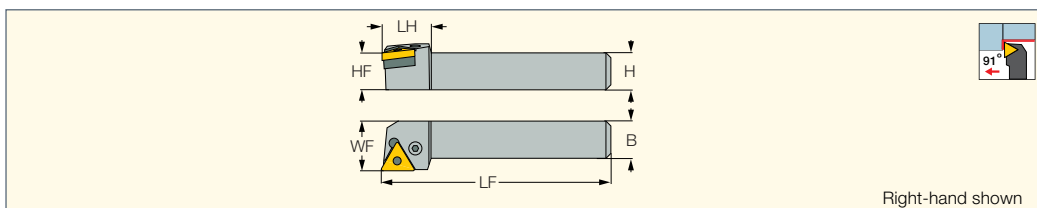
(a) Use for VNMG 160412 inserts

(b) Use for YNMG inserts

HELITURN LD

PTGNR/L-X

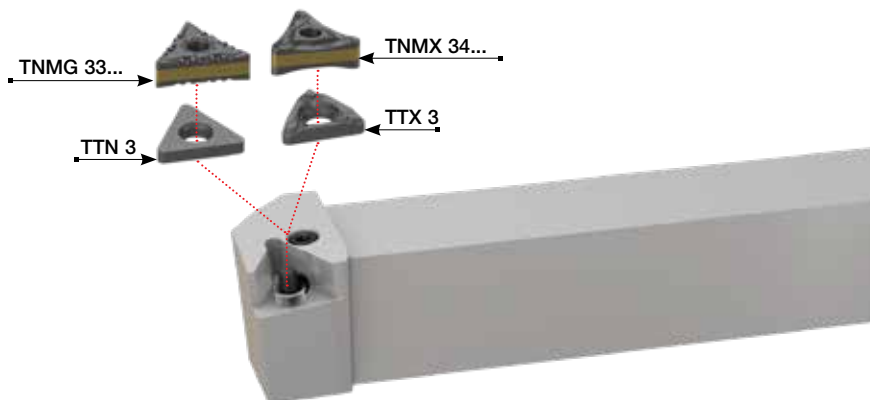
91° Lead Angle Lever Lock
External Turning Tools Carrying
Negative Triangular Inserts










Designation	H	HF	B	LF	LH	WF	GAMP	GAMF	Insert
PTGNR/L 12-3X	.750	.750	.750	4.500	.780	1.000	-6.0	-6.0	TNMX 34.. TNMG 33..
PTGNR/L 16-3X	1.000	1.000	1.000	6.000	.780	1.250	-6.0	-6.0	TNMX 34.. TNMG 33..

• Use TTX 3 seat for TNMX 34. inserts and TTN 3 seat for TNMG33. inserts

For inserts, see pages: TNGA-J(CBN) (236) • TNGG-M3N (209) • TNMG-F3S (161) • TNMG-FFG-CERMET (161) • TNMG-F3P (159) • TNMG-M3P (159)
• TNMX-M3/4PW (160) • TNMG-F3M (160) • TNMG-M3M (160) • TNMX-M3/4MW (161) • TNMG-TF (162) • TNMG-GN (164) • TNMG/TNGG-PP (163)
• TNMG-VL (163) • TNMG-PF (162) • TNMG-SF (162) • TNMG-NF (163) • TNMS-12 (214) • TNMA (164) • TNGA-Ceramic (220) • TNGA-M3 (CBN) (236)
• TNGA-MC/M6 (CBN) (236) • TNMA (CBN) (235)



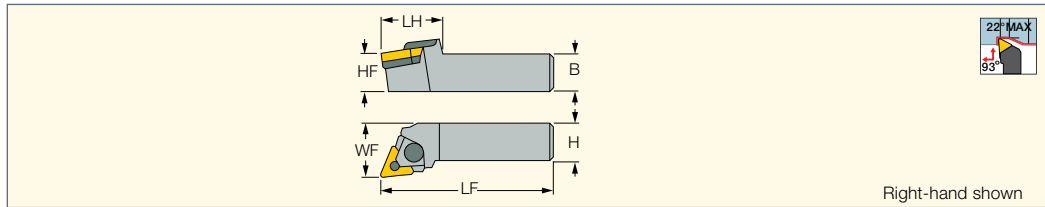
Spare Parts

Designation							
PTGNR/L-X	TTX 3	TTN 3	SP 3	LR 3	SR 117-2014	HW 2.5	PN 3-4

ISOTURN

MTJNR/L-W

93° Lead Angle Wedge
Lock Turning Tools Carrying
Negative Triangular Inserts



Designation	H	HF	B	LF	LH	WF	GAMP	GAMF	Insert
MTJNR/L 10-3W-M	.625	.625	.625	4.000	1.250	.750	-6.0	-6.0	TNMG 33..
MTJNR/L 12-3W-M	.750	.750	.750	4.500	1.250	1.000	-6.0	-6.0	TNMG 33..
MTJNR/L 16-3W-M	1.000	1.000	1.000	6.000	1.250	1.250	-6.0	-6.0	TNMG 33..
MTJNR/L 16-4W	1.000	1.000	1.000	6.000	1.500	1.250	-6.0	-6.0	TNMG 43..

For inserts, see pages: TNGA-J(CBN) (236) • TNMG-F3S (161) • TNMG-F3P (159) • TNMG-M3P (159) • TNMG-F3M (160) • TNMG-M3M (160)
 • TNMG-TF (162) • TNMG-GN (164) • TNMM-NR (164) • TNMG/TNGG-PP (163) • TNMG-VL (163) • TNMG-PF (162) • TNMG-SF (162) • TNMG-NF (163)
 • TNMA (164) • TNGA-Ceramic (220) • TNGA-M3 (CBN) (236) • TNGA-MC/M6 (CBN) (236) • TNMA (CBN) (235) • TNGG-M3N (209) • TNMG-FFG-CERMET (161)

Spare Parts

Designation								
MTJNR/L 10-3W-M	TTT 322N	TTT 332N ^(a) *	ZNW 3WN	HW 3.0	LC 291N CLAMP	SR 17-317N		E RING N
MTJNR/L 12-3W-M	TTT 322N	TTT 332N ^(a) *	ZNW 3WN	HW 3.0	LC 291N CLAMP	SR 17-317N		E RING N
MTJNR/L 16-3W-M	TTT 322N	TTT 332N ^(a) *	ZNW 3WN	HW 3.0	LC 291N CLAMP	SR 17-317N		E RING N
MTJNR/L 16-4W	TTT 434		ZNW 4	HW 2.5	LC 281 SET 1A	SR 17-295	HW 1/8"	

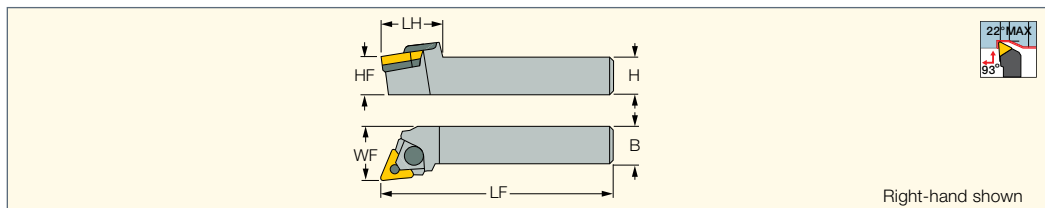
* Optional, should be ordered separately

^(a) Use for inserts TNMG 32.. .125" thick

ISOTURN

MTJNR/L

93° Lead Angle, Comlock
Turning Tools for Negative
Triangular Inserts



Designation	H	B	LF	LH	WF	GAMP	GAMF	Insert
MTJNR 12-3	.750	.750	4.500	1.000	1.000	-5.0	-5.0	TN..3..
MTJNR/L 16-4	1.000	1.000	6.000	1.260	1.250	-5.0	-5.0	TN..4..

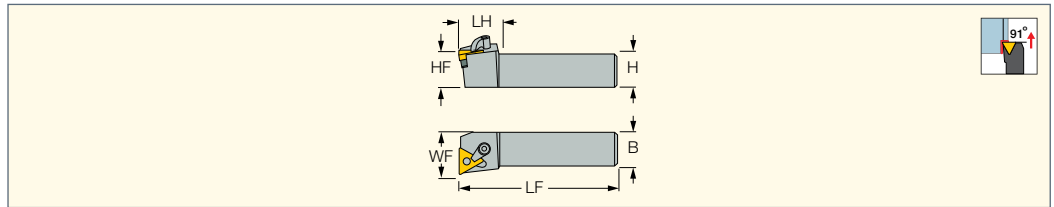
For inserts, see pages: TNGA-J(CBN) (236) • TNGG-M3N (209) • TNMG-F3S (161) • TNMG-FFG-CERMET (161) • TNMG-F3P (159) • TNMG-M3P (159)
 • TNMG-F3M (160) • TNMG-M3M (160) • TNMG-TF (162) • TNMG-GN (164) • TNMM-NR (164) • TNMG/TNGG-PP (163) • TNMG-VL (163) • TNMG-PF (162)
 • TNMG-SF (162) • TNMG-NF (163) • TNMA (164) • TNGA-Ceramic (220) • TNGA-M3 (CBN) (236) • TNGA-MC/M6 (CBN) (236) • TNMA (CBN) (235)

Spare Parts

Designation						
MTJNR 12-3		NL 34-L	HW 3/32"	CL 6		HW 5/64"
MTJNR/L 16-4	ITSN 434	NL 46	HW 3/32"	CL 9	XNS 510	HW 4.0

MTFNR/L

Comlock Holders for Facing
with Negative Triangular Inserts



Designation	H	HF	B	LF	LH	WF	GAMP	GAMF	Insert
MTFNR 12-3	.750	.750	.750	4.500	.880	1.000	-6.0	-6.0	TN.3..
MTFNL 16-4	1.000	1.000	1.000	6.000	1.220	1.250	-6.0	-6.0	TN.4..

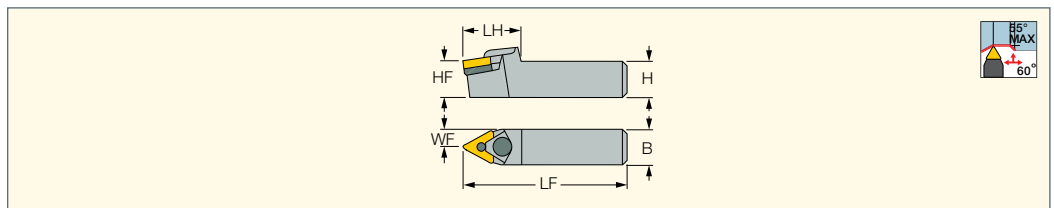
For inserts, see pages: TNGA-J(CBN) (236) • TNGG-M3N (209) • TNMG-F3S (161) • TNMG-FFG-CERMET (161) • TNMG-F3P (159) • TNMG-M3P (159) • TNMG-F3M (160) • TNMG-M3M (160) • TNMG-TF (162) • TNMG-GN (164) • TNMM-NR (164) • TNMG/TNGG-PP (163) • TNMG-VL (163) • TNMG-PF (162) • TNMG-SF (162) • TNMG-NF (163) • TNMA (164) • TNGA-Ceramic (220) • TNGA-M3 (CBN) (236) • TNGA-MC/M6 (CBN) (236) • TNMA (CBN) (235)

Spare Parts

Designation								
MTFNR 12-3		NL 34-L	HW 3/32"	CL 6				HW 5/64"
MTFNL 16-4	ITSN 434	NL 46	HW 3/32"	CL 9		XNS 510		HW 4.0

MTENN-W

Neutral Wedge Lock Turning
Tools Carrying Negative
Triangular Inserts



Designation	H	HF	B	LF	LH	WF	GAMP	GAMF	Insert
MTENN 12-3W-M	.750	.750	.750	4.500	1.370	.380	0	-8.0	TNMG 33..
MTENN 16-3W-M	1.000	1.000	1.000	6.000	1.370	.500	0	-8.0	TNMG 33..

For inserts, see pages: TNGA-J(CBN) (236) • TNGG-M3N (209) • TNMG-F3S (161) • TNMG-FFG-CERMET (161) • TNMG-F3P (159) • TNMG-M3P (159) • TNMG-F3M (160) • TNMG-M3M (160) • TNMG-TF (162) • TNMG-GN (164) • TNMG/TNGG-PP (163) • TNMG-VL (163) • TNMG-PF (162) • TNMG-SF (162) • TNMG-NF (163) • TNMA (164) • TNGA-Ceramic (220) • TNGA-M3 (CBN) (236) • TNGA-MC/M6 (CBN) (236) • TNMA (CBN) (235)

Spare Parts

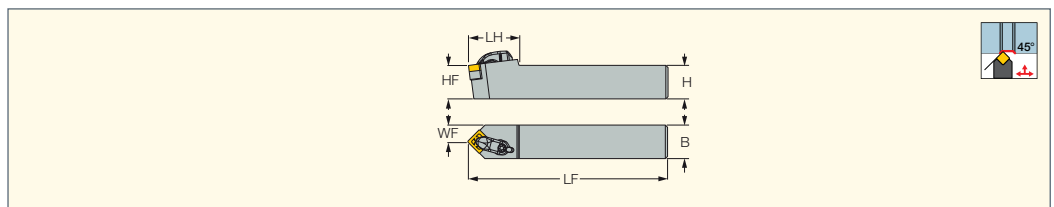
Designation								
MTENN-W	TTT 322N	TTT 332N ^(a)	ZNW 3WN	HW 3.0	LC 291N CLAMP	E RING N		SR 17-317N

* Optional, should be ordered separately

^(a) Use for inserts TNMG 32. .125" thick

DSDNN

45° Lead Angle R-Clamp
External Turning Tools Carrying
ISO Negative SNMG Inserts



Designation	H	HF	B	LF	LH	WF	GAMP	GAMF	Insert
DSDNN 16-5	1.000	1.000	1.000	6.000	1.650	.500	0	-8.5	SN..54.

For inserts, see pages: • SNMG-M3P (165) • SNMM-R3P (171) • SNMG-M3M (166) • SNMG-GN (169) • SNMG-NR (170)

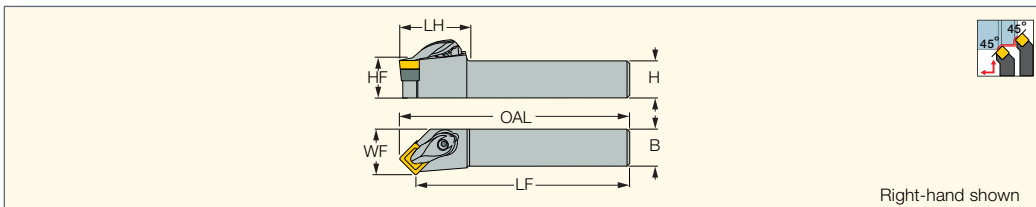
Spare Parts

Designation							
DSDNN	RST 54	SR 10402265	LCGR-5	SR 10402267		KSP 5	HW 4.0

ISOTURN

DSSNR/L

45° Lead Angle R-Clamp
Tools Carrying Negative
Square Inserts for Longitudinal
and Facing Applications



Right-hand shown

Designation	H	HF	B	OAL	LH	LF	WF	GAMP	GAMF	Insert
DSSNR/L 16-4 ⁽¹⁾	1.000	1.000	1.000	6.320	1.140	6.000	1.250	-5.5	-5.5	SN.. 43
DSSNR 20-6	1.250	1.500	1.250	6.000	1.770	5.500	1.500	-5.5	-5.5	SN.. 64

⁽¹⁾ Using SNMG.....EM-M/R inserts requires the use of RST 443R/L SET(ordered separately)

For inserts, see pages: SNMG-F3S (167) • SNMG-F3P (165) • SNMG-M3P (165) • SNMM-R3P (171) • SNMG-F3M (166) • SNMG-M3M (166) • SNMG-TF (168)
• SNMG-GN (169) • SNMG-NR (170) • SNMG-PP (168) • SNMG-VL (167) • SNMG-EM-M/R (169) • SNMA (170) • SNGA-Ceramic (218) • SNMA (CBN) (238)

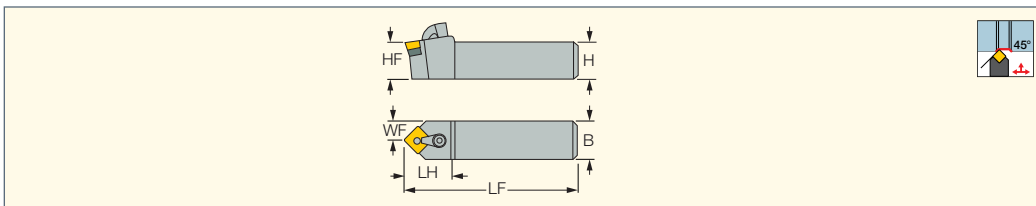
Spare Parts

Designation								
DSSNR/L 16-4	RST 443	SR 14-506 M4X0.7	LCGR-4	SR 10400270-25.5				T-15/5
DSSNR 20-6	RST 634	SR 10402266	LCGR-6		SR 10402267	KSP 5	HW 4.0	

ISOTURN

MSDNN

Comlock 45° Lead Angle Holders
for Negative Square Inserts



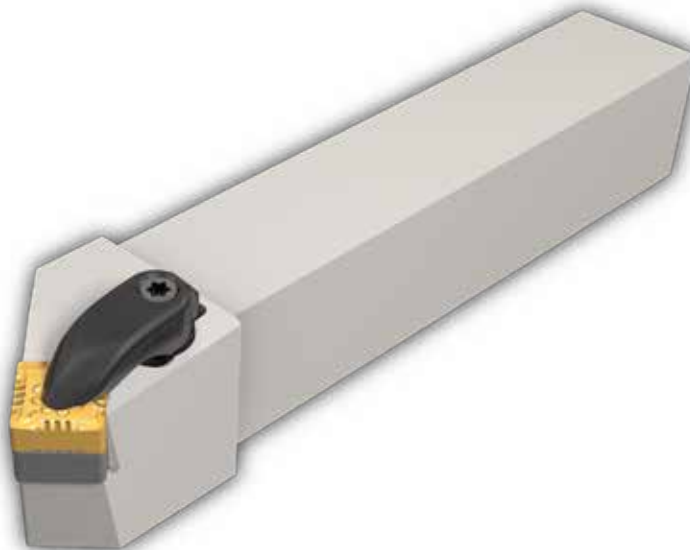
Designation	H	HF	B	LF	LH	WF	GAMP	GAMF
MSDNN 16-4	1.000	1.000	1.000	6.000	1.370	.500	0	-7.5

For inserts, see pages: SNMG-F3S (167) • SNMG-F3P (165) • SNMG-M3P (165) • SNMM-R3P (171) • SNMG-F3M (166) • SNMG-M3M (166)

• SNMG-TF (168) • SNMG-GN (169) • SNMG-NR (170) • SNMG-PP (168) • SNMG-VL (167) • SNMA (170) • SNGA-Ceramic (218) • SNMA (CBN) (238)

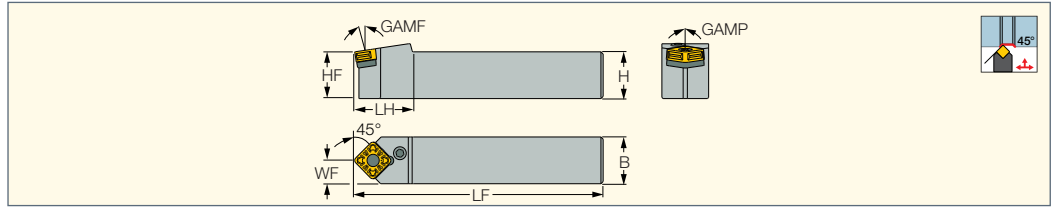
Spare Parts

Designation						
MSDNN 16-4	ISSN 433	NL 46	HW 3/32"	CL 9	XNS 59 SCREW COM	HW 5/32"



PSDON-IQ

Lever Lock and Dovetail Pocket Rigid Clamping Tools Carrying Unique Double-Sided Square Inserts



Designation	H	HF	B	LF	LH	WF	GAMP	GAMF	Insert
PSDON 20-5-IQ	1.250	1.250	1.250	6.000	1.400	.650	0	-8.5	SOMG 54
PSDON 20-6-IQ	1.250	1.250	1.250	6.000	1.560	.660	0	-8.5	SOMG 64
PSDON 24-6-IQ	1.500	1.500	1.500	7.000	1.560	.790	0	-8.5	SOMG 64
PSDON 24-8-IQ	1.500	1.500	1.500	7.000	2.050	.790	0	-8.5	SOMG 86
PSDON 32-8-IQ	2.000	2.000	2.000	8.000	2.050	1.040	0	-8.5	SOMG 86

For inserts, see pages: SOMG-R3P-IQ (166)

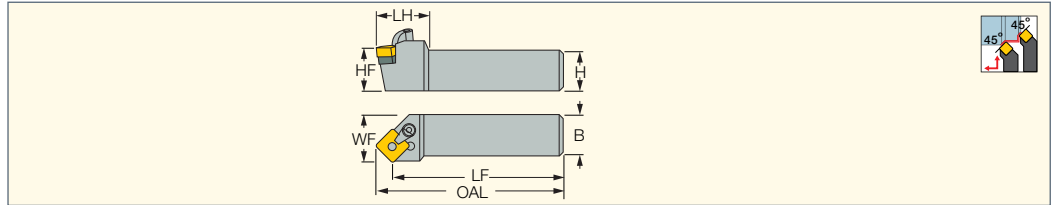
Spare Parts

Designation							
PSDON 20-5-IQ	TSX 5-IQ	SP 5	SR LCS 5			LCL 16-NX	HW 3.0
PSDON 20-6-IQ	TSX 6-IQ	SP 5	SR 10402352			LCL 20C-NX	HW 4.0
PSDON 24-6-IQ	TSX 6-IQ	SP 5	SR 10402352			LCL 20C-NX	HW 4.0
PSDON 24-8-IQ	TSX 8-IQ	SP 8	SR LCS 8-L39			LCL 32-NX	HW 5.0
PSDON 32-8-IQ	TSX 8-IQ	SP 8	SR 10402264		SR LCS 8-L39	LCL 32-NX	HW 5.0

ISOTURN

MSSNR

Comlock Holders for Negative Square Inserts, 45° Face and Longitudinal Lead Angles



Designation	H	HF	B	LF	LH	WF	GAMP	GAMF	OAL
MSSNR 16-4	1.000	1.000	1.000	5.600	1.230	.910	0	-8.0	6.000

For inserts, see pages: SNMG-F3S (167) • SNMG-F3P (165) • SNMG-M3P (165) • SNMM-R3P (171) • SNMG-F3M (166) • SNMG-M3M (166) • SNMG-TF (168) • SNMG-GN (169) • SNMG-NR (170) • SNMG-PP (168) • SNMG-VL (167) • SNMA (170) • SNGA-Ceramic (218) • SNMA (CBN) (238)

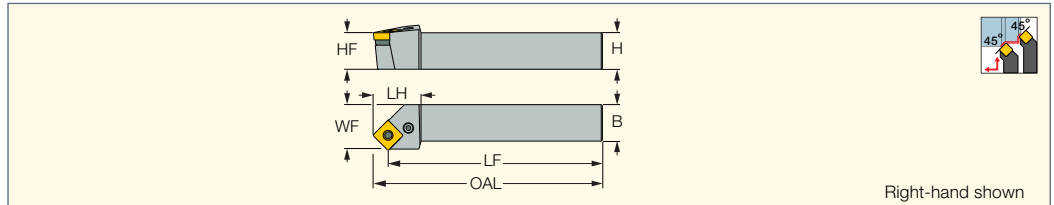
Spare Parts

Designation						
MSSNR 16-4	ISSN 433	NL 46	HW 3/32"	CL 9	XNS 59 SCREW COM	HW 5/32"

ISOTURN

PSSNR/L

45° Lead Angle Lever Lock Tools Carrying Negative Square Inserts for Longitudinal and Facing Applications



Designation	H	HF	B	LF	LH	WF	GAMP	GAMF	Insert	OAL
PSSNR/L 12-3	.750	.750	.750	4.500	1.000	1.000	-5.5	-5.5	SNMG 33	4.750
PSSNR/L 16-3	1.000	1.000	1.000	6.000	1.000	1.250	-5.5	-5.5	SNMG 33	6.250

For inserts, see pages: SNMG-F3S (167) • SNMG-F3P (165) • SNMG-M3P (165) • SNMG-F3M (166) • SNMG-M3M (166) • SNMG-TF (168)

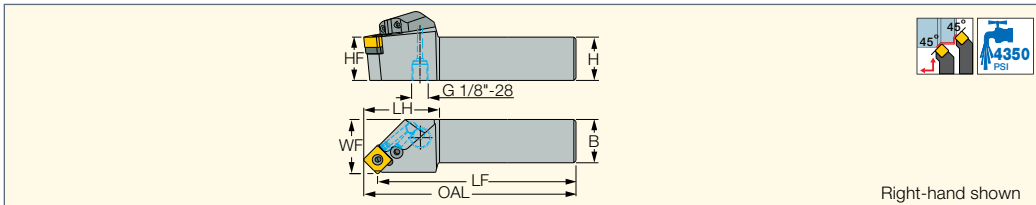
Spare Parts

Designation								
PSSNR/L	TSN 333	TSN 323	SP 3	LR 3	SR 117-2014	HW 2.5	PN 3-3L	

ISOTURN JETCUT

PSSNR/L-JHP

Lever Lock 45° Longitudinal and Facing Tools for Negative Square Inserts with Channels for High-Pressure Coolant



Right-hand shown

Designation	H	B	LF	LH	WF	GAMP	GAMF	OAL	Insert
PSSNR/L 12-3-JHP	.750	.750	4.500	1.378	1.000	-5.5	-5.5	4.791	SNMG 3..

• For user guide, see pages 6-7, 76-82

For inserts, see pages: SNMG-F3S (167) • SNMG-F3M (166) • SNMG-F3P (165) • SNMG-M3M (166) • SNMG-M3P (165) • SNMG-TF (168)

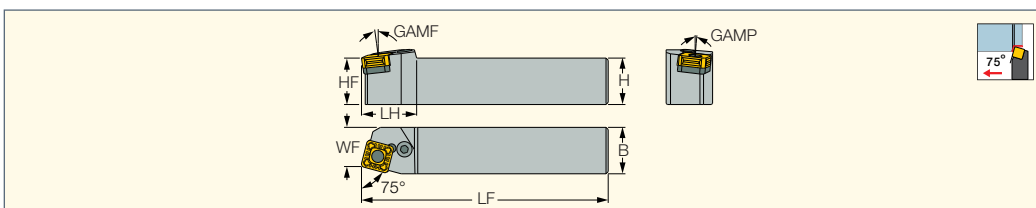
Spare Parts

Designation							
PSSNR/L 12-3-JHP	TSN 323	TSN 333	SP 3	PN 3-3L	LR 3	SR 117-2014	HW 2.5

DOVE IQ TURN

PSBOR/L-IQ

Lever Lock and Dovetail Pocket Rigid Clamping Tools Carrying Unique SOMG Double-Sided Square Inserts

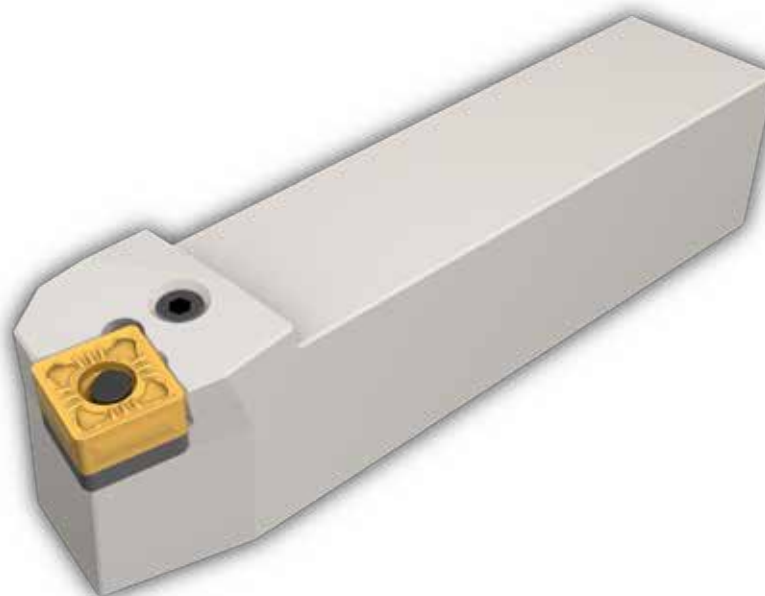


Designation	H	HF	B	LF	LH	WF	GAMP	GAMF	Insert
PSBOR/L 20-5-IQ	1.250	1.250	1.250	6.000	1.400	1.060	-4.7	-7.5	SOMG 54
PSBOR/L 20-6-IQ	1.250	1.250	1.250	6.000	1.500	1.060	-4.7	-7.5	SOMG 64
PSBOR/L 24-6-IQ	1.500	1.500	1.500	7.000	1.500	1.300	-4.7	-7.5	SOMG 64
PSBOR/L 24-8-IQ	1.500	1.500	1.500	7.000	2.000	1.300	-4.7	-7.5	SOMG 86
PSBOR/L 32-8-IQ	2.000	2.000	2.000	8.000	2.000	1.800	-4.7	-7.5	SOMG 86

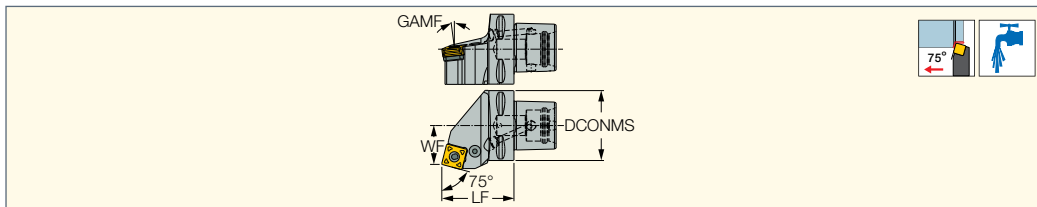
For inserts, see pages: SOMG-R3P-IQ (166)

Spare Parts

Designation					
PSBOR/L 20-5-IQ	TSX 5-IQ	SP 5	SR LCS 5	LCL 16-NX	HW 3.0
PSBOR/L 20-6-IQ	TSX 6-IQ	SP 5	SR 10402352	LCL 20C-NX	HW 4.0
PSBOR/L 24-6-IQ	TSX 6-IQ	SP 5	SR 10402352	LCL 20C-NX	HW 4.0
PSBOR/L 24-8-IQ	TSX 8-IQ	SP 8	SR LCS 8-L39	LCL 32-NX	HW 5.0
PSBOR/L 32-8-IQ	TSX 8-IQ	SP 8	SR LCS 8-L39	LCL 32-NX	HW 5.0



C#-PSROR/L-IQ
Lever Lock and Dovetail
Pocket Tools with CAMFIX
Shanks Carrying Unique SOMG
Double-Sided Square Inserts



Designation	DCONMS	WF	LF	GAMP	GAMF	Insert
C6 PSROR/L-35065-15-IQ	2.480	1.378	2.559	-4.7	-7.5	SOMG 54..
C6 PSROR/L-35065-19-IQ	2.480	1.378	2.559	-4.7	-7.5	SOMG 64..
C8 PSROR/L-45080-19-IQ	3.150	2.165	3.150	-4.7	-7.5	SOMG 64..
C8 PSROR/L-45085-25-IQ	3.150	2.165	3.150	-4.7	-7.5	SOMG 86..

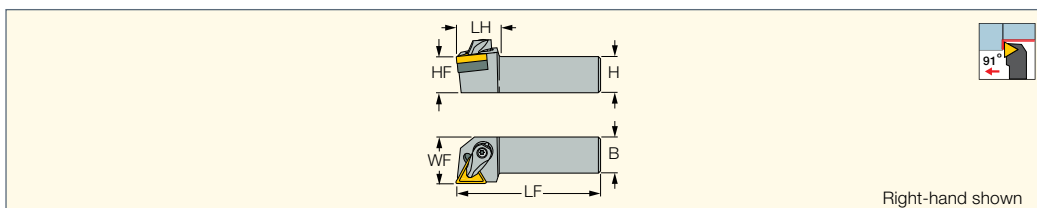
For inserts, see pages: SOMG-R3P-IQ (166)

Spare Parts

Designation							
C6 PSROR/L-35065-15-IQ	TSX 5-IQ	LCL 16-NX	SP 5	SATZ-M10X1-M5	HW 3.0	SR LCS 5-L25.5	
C6 PSROR/L-35065-19-IQ	TSX 6-IQ	LCL 20C-NX	SP 5	SATZ-M10X1-M5	HW 4.0	SR 10402352	
C8 PSROR/L-45080-19-IQ	TSX 6-IQ	LCL 20C-NX	SP 5	SATZ-M10X1-M5	HW 4.0	SR 10402352	SPP 5-6
C8 PSROR/L-45085-25-IQ	TSX 8-IQ	LCL 32-NX	SP 8	SATZ-M12X1-M6	HW 5.0	SR LCS 8-L39	

ISOTURN

DTGNR/L
91° Lead Angle R-Clamp
External Turning Tools Carrying
Negative Triangular Inserts



Right-hand shown

Designation	H	HF	B	LF	LH	WF	GAMP	GAMF	Insert
DTGNR 12-3B	.750	.750	.750	4.500	.980	1.000	-6.0	-6.0	TN.. 3..
DTGNR 16-3D	1.000	1.000	1.000	6.000	1.000	1.250	-6.0	-6.0	TN.. 3..
DTGNL 16-4	1.000	1.000	1.000	6.000	1.250	1.250	-6.0	-6.0	TN.. 4..

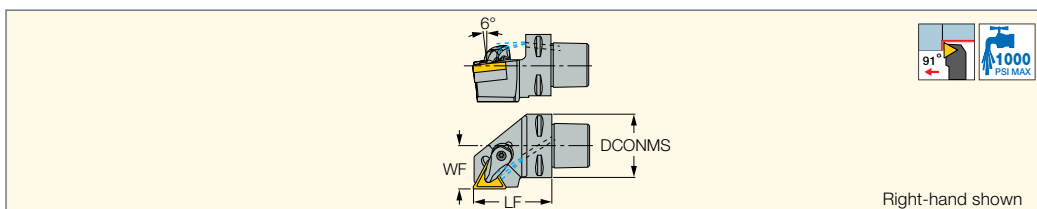
For inserts, see pages: TNGA-J(CBN) (236) • TNGG-M3N (209) • TNMG-F3S (161) • TNMG-FFG-CERMET (161) • TNMG-F3P (159) • TNMG-M3P (159) • TNMG-F3M (160) • TNMG-M3M (160) • TNMG-TF (162) • TNMG-GN (164) • TNMM-NR (164) • TNMG/TNGG-PP (163) • TNMG-VL (163) • TNMG-PF (162) • TNMG-SF (162) • TNMG-NF (163) • TNMA (164) • TNGA-Ceramic (220) • TNGA-M3 (CBN) (236) • TNGA-MC/M6 (CBN) (236) • TNMA (CBN) (235)

Spare Parts

Designation							
DTGNR 12-3B	RTT 322	SR 35080I	LCGR-3	SR RC3	KSP 3	HW 2.5	
DTGNR 16-3D	RTT 322	SR 35080I	LCGR-3	SR RC3	KSP 3	HW 2.5	
DTGNL 16-4	RTT 443	SR 14-506 M4X0.7	LCGR-4	SR 10400270-25.5			T-15/5

ISOTURN CAMFIX

C#-DTGNR/L
91° Lead R-Clamp External
Turning Tools with CAMFIX
Exchangeable Shanks Carrying
Negative Triangular Inserts



Right-hand shown

Designation	DCONMS	WF	LF	Insert	CP ⁽¹⁾	CDI ⁽²⁾						
C6 DTGNR/L-45065-22	2.480	1.772	2.559	TN.. 22	1015	1	RTT 443	SR 14-506 M4X0.7	LCGR-4	SR 10400270-25.5	T-15/5	EZ 104

⁽¹⁾ Coolant pressure (PSI)

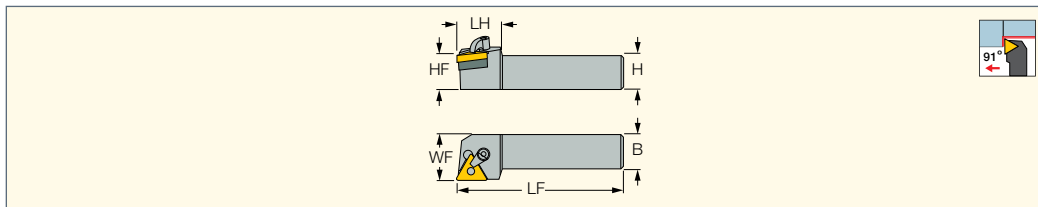
⁽²⁾ 1 - Hole for data chip, 0 - Without hole for data chip

For inserts, see pages: TNMG-F3S (161) • TNMG-F3P (159) • TNMG-M3P (159) • TNMG-F3M (160) • TNMG-M3M (160) • TNMG-TF (162) • TNMG-GN (164) • TNMM-NR (164) • TNMG/TNGG-PP (163) • TNMA (164) • TNGA-Ceramic (220)

ISOTURN

MTGNR

Comlock 90° Lead Angle Holders for Negative Triangular Inserts



Designation	H	HF	B	LF	LH	WF	GAMP	GAMF	Insert
MTGNR 12-3	.750	.750	.750	4.500	.940	1.000	-6.0	-6.0	TN..3..
MTGNR 16-4	1.000	1.000	1.000	6.000	1.190	1.250	-6.0	-6.0	TN..4..

For inserts, see pages: TNGA-J(CBN) (236) • TNGG-M3N (209) • TNMG-F3S (161) • TNMG-FFG-CERMET (161) • TNMG-F3P (159) • TNMG-M3P (159) • TNMG-F3M (160) • TNMG-M3M (160) • TNMG-TF (162) • TNMG-GN (164) • TNMM-NR (164) • TNMG/TNGG-PP (163) • TNMG-VL (163) • TNMG-PF (162) • TNMG-SF (162) • TNMG-NF (163) • TNMA (164) • TNGA-Ceramic (220) • TNGA-M3 (CBN) (236) • TNGA-MC/M6 (CBN) (236) • TNMA (CBN) (235)

Spare Parts

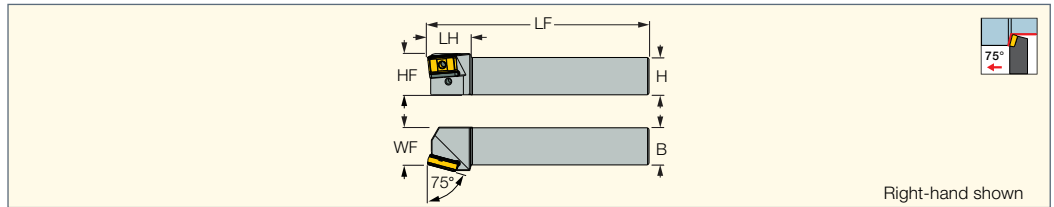
Designation						
MTGNR 12-3		NL 34-L		CL 6		
MTGNR 16-4	ITSN 434	NL 46	HW 3/32"	CL 9	XNS 510	HW 4.0



HEAVY^{SUPER}TURN

PLBOR/L

Lever Lock Tools Carrying LOMX Tangentially Clamped Super Heavy Turning Inserts



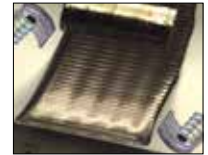
Right-hand shown

Designation	H	HF	B	LF	LH	WF	GAMP	GAMF
PLBOR/L 32-40	2.000	2.000	2.000	12.000	2.360	1.970	-6.0	-6.0
PLBOR/L 40-40	2.500	2.500	2.500	16.000	2.360	2.470	-6.0	-6.0

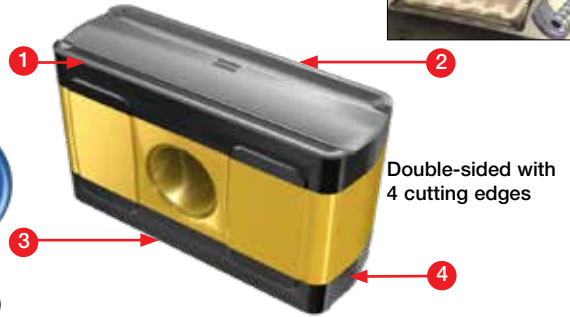
For inserts, see pages: LOMX-H6P (173)

ISCAR's Tangential LOMX 402224-H6P Insert for Very Heavy Turning Applications

This tangentially clamped insert with 4 cutting edges is made from the tough grade IC8250. It can machine at up to 1.4" depth of cut and up to .08 ipr feed. The insert is clamped on a very rigid lever lock pocket equipped with a protective seat.

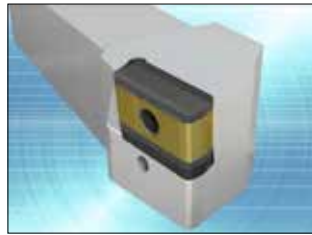


Application Range H6P Chipformer

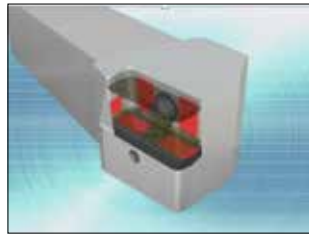


Double-sided with 4 cutting edges

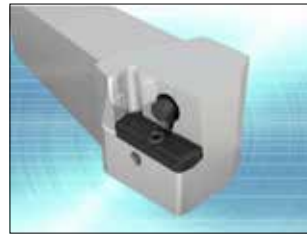
Tangentially Clamped Insert



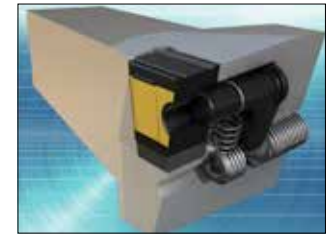
Clamping Surfaces



Protective Seat



Lever Lock Accessible from Both Tool Sides



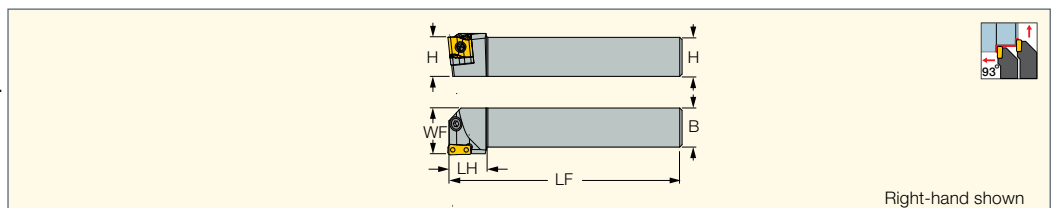
Spare Parts

Designation							
PLBOR/L	TLN 40	SR 10402265	LR 8	SR 10643960	SP D7.5XL23	HW 6.0	T-20/5

HELI^{TURN}

PLANR/L-TANG

Lever Lock Tools Carrying LNMX.. Tangentially Clamped Inserts



Right-hand shown

Designation	H	HF	B	LF	LH	WF	GAMP	GAMF
PLANR 16-15 TANG	1.000	1.000	1.000	6.000	1.000	1.180	-6.0	-6.0

For inserts, see pages: LNMX-HM (174) • LNMX-HT (173) • LNMX-WG (174)

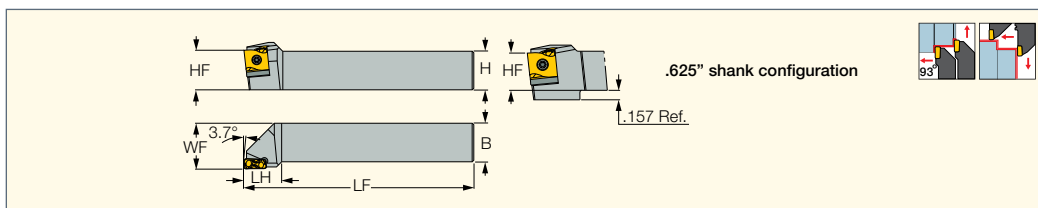
Spare Parts

Designation						
PLANR 16-15 TANG	TLN 15R-HT	SR RS4	T-6/5	LR T15	SR TL-15	HW 3.5



SLANR/L-TANG

Screw-Lock Tools Carrying the LNMX.. Tangentially Clamped Inserts



Designation	H	HF	B	LF	LH	WF	GAMP	GAMF	Insert
SLANR/L 10-11 TANG	.625	.625	.625	4.000	.790	.750	-6.0	-6.0	LNMX 11
SLANR 12-11 TANG	.750	.750	.750	4.500	1.000	1.000	-6.0	-6.0	LNMX 11
SLANR/L 16-11 TANG	1.000	1.000	1.000	6.000	1.000	1.250	-6.0	-6.0	LNMX 11
SLANR 12-15 TANG	.750	.750	.750	4.500	1.000	1.000	-6.0	-6.0	LNMX 15
SLANR/L 16-15 TANG	1.000	1.000	1.000	6.000	.980	1.180	-6.0	-6.0	LNMX 15
SLANR/L 20-15 TANG	1.250	1.250	1.250	6.000	1.370	1.460	-6.0	-6.0	LNMX 15
SLANR/L 24-15 TANG	1.500	1.500	1.500	7.000	1.380	1.700	-6.0	-6.0	LNMX 15
SLANR/L 20-22 TANG	1.250	1.250	1.250	6.000	1.380	1.500	-6.0	-6.0	LNMX 22
SLANR/L 24-22 TANG	1.500	1.500	1.500	7.000	1.500	1.780	-6.0	-6.0	LNMX 22

• a_p max for facing: LNMX 11-.110", LNMX 15-.150", LNMX 22-.228"

For inserts, see pages: LNMX-HM (174) • LNMX-HT (173) • LNMX-WG (174)

The **HELITURN** system features a unique, double-sided insert with 4 cutting edges for **Fast Metal Removal (FMR)** turning.

The **HELITURN** is a tangentially clamped insert with a unique helical shaped cutting edge, useful for large depths of cut and higher than normal feed rate.

The **LNMX...-HT HELITURN** insert is screw-clamped into the **SLANR** toolholder and supported by the TLN ...-HT carbide seat. This seat has ground surfaces on the top and bottom, to ensure perfect contact of the insert with the toolholder.

The upper rake face of this insert is mounted level with the top of the toolholder to enable chips to flow across the insert, without being disturbed by clamps or the toolholder body. The 4 curved helical cutting edges ensure positive radial rake angles and soft penetration into the material being cut.

The lower forces and smaller loads ensure better tool life, higher stability and the ability to use very large depths of cut and higher feeds.

The chipformer (with small bumps), deforms and breaks the chip into rib type curved segments which can easily be removed from the cutting area.

The insert has a frontal clearance angle of 3.7° with a 6° side clearance angle to allow machining to a 90° shoulder.

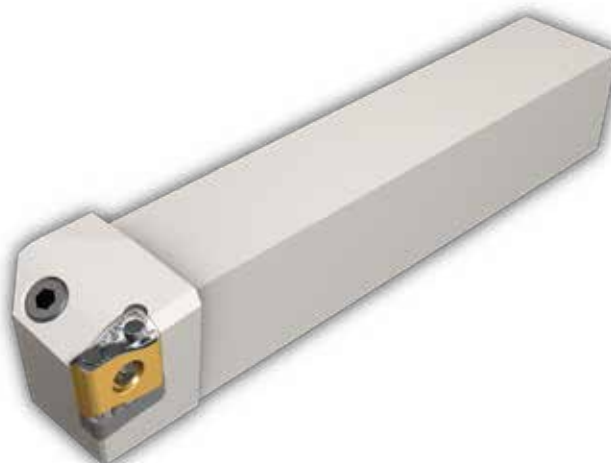
Depths of cut up to .315" and facing depths to .126" at up to .047 IPR are achievable with **HELITURN**.

The high positive rake angle of these tools allows 10-15% less power usage than conventional tools at the same parameters.

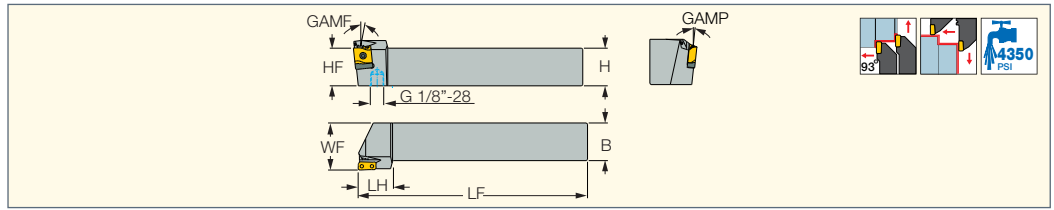
By using **HELITURN** tools, huge cost savings and profitability in lathe operations are guaranteed.

Spare Parts

Designation						
SLANL 10-11 TANG	TLN 11R/L-HT	SR RS4	T-6/5	SR 34-550-C	BLD T10/S7	SW6-SD
SLANR 10-11 TANG	TLN 11R/L-HT	SR RS4	T-6/5	SR 34-550-C	BLD T10/S7	SW6-SD
SLANR 12-11 TANG	TLN 11R/L-HT	SR RS4	T-6/5	SR 34-550-C	BLD T10/S7	SW6-SD
SLANL 16-11 TANG	TLN 11R/L-HT	SR RS4	T-6/5	SR 34-550-C	BLD T10/S7	SW6-SD
SLANR 16-11 TANG	TLN 11R-HT	SR RS4	T-6/5	SR 34-550-C	BLD T10/S7	SW6-SD
SLANR 12-15 TANG	TLN 15R/L-HT	SR RS4	T-6/5	SR 34-535-SN	BLD T15/S7	SW6-T-SH
SLANL 16-15 TANG	TLN 15R/L-HT	SR RS4	T-6/5	SR 34-535-SN	BLD T15/S7	SW6-T-SH
SLANR 16-15 TANG	TLN 15R/L-HT	SR RS4	T-6/5	SR 34-535-SN	BLD T15/S7	SW6-T-SH
SLANL 20-15 TANG	TLN 15R/L-HT	SR RS4	T-6/5	SR 34-535-SN	BLD T15/S7	SW6-T-SH
SLANR 20-15 TANG	TLN 15R/L-HT	SR RS4	T-6/5	SR 34-535-SN	BLD T15/S7	SW6-T-SH
SLANL 24-15 TANG	TLN 15R/L-HT	SR RS4	T-6/5	SR 34-535-SN	BLD T15/S7	SW6-T-SH
SLANR 24-15 TANG	TLN 15R-HT	SR RS4	T-6/5	SR 34-535-SN	BLD T15/S7	SW6-T-SH
SLANL 20-22 TANG	TLN 22R/L-HT	SR 10500401	T-7/5	SR 14-591/L-SN	BLD T20/S7	SW6-T-SH
SLANR 20-22 TANG	TLN 22R/L-HT	SR 10500401	T-7/5	SR 14-591/L-SN	BLD T20/S7	SW6-T-SH
SLANL 24-22 TANG	TLN 22R/L-HT	SR 10500401	T-7/5	SR 14-591/L-SN	BLD T20/S7	SW6-T-SH
SLANR 24-22 TANG	TLN 22R/L-HT	SR 10500401	T-7/5	SR 14-591/L-SN	BLD T20/S7	SW6-T-SH



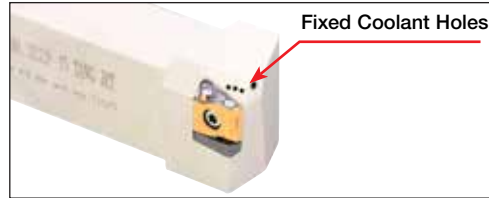
SLANR/L-15-TANG-JHP
Screw-Lock Tools with Channels for High-Pressure Coolant Carrying LNMX Tangentially Clamped Inserts



Designation	H	HF	B	LF	LH	WF	GAMP	GAMF	Insert
SLANR/L 20-15 TANG-JHP	1.250	1.250	1.250	6.000	1.370	1.500	-6.0	-6.0	LNMX 1506

• a_p max for facing .15" • For user guide, see pages 6-7, 76-82
For inserts, see pages: LNMX-HM (174) • LNMX-HT (173) • LNMX-WG (174)

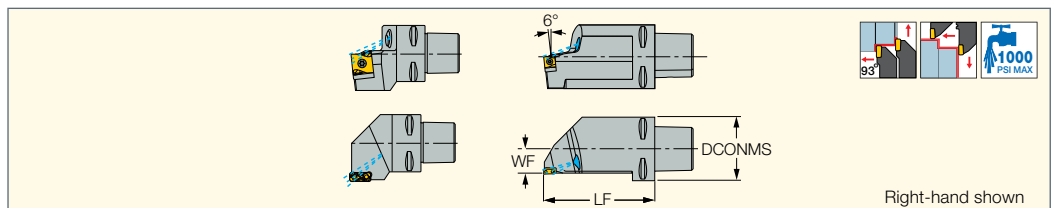
**The Tools With LNMX 1506...
Inserts Feature Fixed Coolant Holes**



Spare Parts

Designation						
SLANR/L-15-TANG-JHP	TLN 15R/L-HT	SR RS4	T-6/5	SR 34-535-SN	BLD T15/S7	SW6-T-SH

HELITURN CAMFIX
TANGENTIAL LINE
C#-SLANR/L-TANG
Tools with CAMFIX Shanks Carrying the LNMX-HT Tangentially Screw Clamped Inserts for High Production Cutting



Designation	DCONMS	LF	WF	Insert	CP ⁽²⁾	CDI ⁽³⁾
C4 SLANR-27050-11 TANG	1.575	1.968	1.063	LNMX 1104..	1015	1
C6 SLANR 25110-11 TANG ⁽¹⁾	2.480	4.331	.984	LNMX 1104..	1015	1
C4 SLANR/L-27050-15 TANG	1.575	1.968	1.063	LNMX 1506..	1015	1
C5 SLANR/L-35060-15 TANG	1.968	2.362	1.378	LNMX 1506..	1015	1
C6 SLANR 25110-15 TANG ⁽¹⁾	2.480	4.331	.984	LNMX 1506..	1015	1
C6 SLANR/L-45065-15 TANG	2.480	2.559	1.772	LNMX 1506..	1015	1
C6 SLANR/L-45065-22 TANG	2.480	2.559	1.772	LNMX 2210..	1015	1

• a_p max for facing: LNMX 11-.11", LNMX 15-.15"
⁽¹⁾ Designed for mill-turn machines
⁽²⁾ Coolant pressure (PSI)
⁽³⁾ 1 - Hole for data chip, 0 - Without hole for data chip
For inserts, see pages: LNMX-HM (174) • LNMX-HT (173) • LNMX-WG (174)

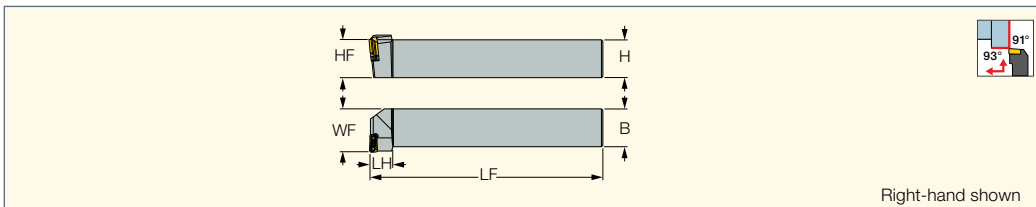
Spare Parts

Designation							
C4 SLANR-27050-11 TANG	TLN 11R-HT	SR RS4	T-6/5	SR 34-550-C	BLD T10/S7	SW6-SD	EZ 83
C6 SLANR 25110-11 TANG	TLN 11R-HT	SR RS4	T-6/5	SR 34-550-C	BLD T10/S7	SW6-SD	EZ 146
C4 SLANL-27050-15 TANG	TLN 15R/L-HT	SR RS4	T-6/5	SR 34-535-SN	BLD T15/S7	SW6-T-SH	EZ 104
C4 SLANR-27050-15 TANG	TLN 15R/L-HT	SR RS4	T-6/5	SR 34-535-SN	BLD T15/S7	SW6-T-SH	EZ 104
C5 SLANL-35060-15 TANG	TLN 15R/L-HT	SR RS4	T-6/5	SR 34-535-SN	BLD T15/S7	SW6-T-SH	EZ 104
C5 SLANR-35060-15 TANG	TLN 15R/L-HT	SR RS4	T-6/5	SR 34-535-SN	BLD T15/S7	SW6-T-SH	EZ 104
C6 SLANR 25110-15 TANG	TLN 15R-HT	SR RS4	T-6/5	SR 34-535-SN	BLD T15/S7	SW6-T-SH	EZ 146
C6 SLANL-45065-15 TANG	TLN 15R/L-HT	SR RS4	T-6/5	SR 34-535-SN	BLD T15/S7	SW6-T-SH	EZ 104
C6 SLANR-45065-15 TANG	TLN 15R-HT	SR RS4	T-6/5	SR 34-535-SN	BLD T15/S7	SW6-T-SH	EZ 104
C6 SLANL-45065-22 TANG	TLN 22R/L-HT	SR 10500401	T-7/5	SR 14-591/L-SN	BLD T20/S7	SW6-T-SH	EZ 104
C6 SLANR-45065-22 TANG	TLN 22R/L-HT	SR 10500401	T-7/5	SR 14-591/L-SN	BLD T20/S7	SW6-T-SH	EZ 104



SLFNR-TANG

Toolholders for LNMX
Tangentially Clamped Inserts



Designation	H	HF	B	LF	LH	WF	GAMP	GAMF
SLFNR 16-15 TANG	1.000	1.000	1.000	6.000	1.050	1.180	-6.0	-6.0
SLFNR 20-15 TANG	1.250	1.250	1.250	6.000	1.400	1.450	-6.0	-6.0

• Left-hand insert and seat for right-hand holder • a_p max for longitudinal turning is .228"

For inserts, see pages: LNMX-HM (174) • LNMX-HT (173) • LNMX-WG (174)

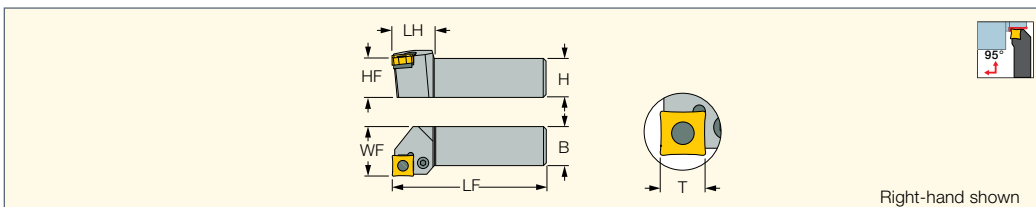
Spare Parts

Designation						
SLFNR-TANG	TLN 15L-HT	SR RS4	T-6/5	SR 34-535-SN	BLD T15/S7	SW6-T-SH



PQLNR/L

Lever Lock Tools Carrying
Negative Inserts with
Four 80° Corners



Designation	H	HF	B	LF	LH	WF	T ⁽¹⁾	GAMP	GAMF	Insert
PQLNR 10-3	.625	.625	.625	4.000	.830	.880	.315	-6.0	-6.0	QNMG 3
PQLNR 12-3	.750	.750	.750	4.500	1.000	1.000	.315	-6.0	-6.0	QNMG 3
PQLNR 16-3	1.000	1.000	1.000	6.000	1.000	1.250	.315	-6.0	-6.0	QNMG 3
PQLNR/L 16-4	1.000	1.000	1.000	6.000	1.000	1.250	.394	-6.0	-6.0	QNMG 4

⁽¹⁾ T for r.0315

For inserts, see pages: QNMG-GN (176) • QNMG-NF (175) • QNMG-PP (175) • QNMG-TF (175)

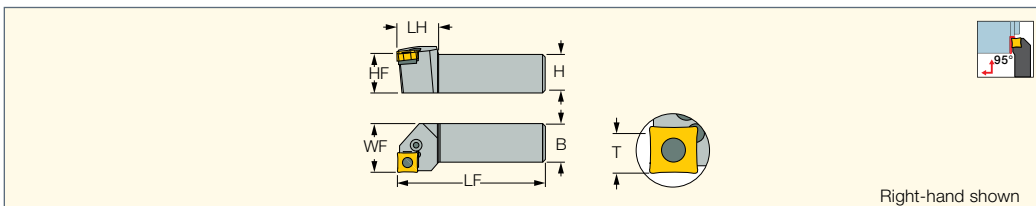
Spare Parts

Designation						
PQLNR 10-3	TXC 322	SP 3	PN 3-4	LR 3	SR 117-2014	HW 2.5
PQLNR 12-3	TXC 322	SP 3	PN 3-4	LR 3	SR 117-2014	HW 2.5
PQLNR 16-3	TXC 322	SP 3	PN 3-4	LR 3	SR 117-2014	HW 2.5
PQLNL 16-4	TSN 423	SP 4	PN 3-4	LR 4	SR 117-2010	HW 3.0
PQLNR 16-4	TSN 423	SP 4	PN 3-4	LR 4	SR 117-2010	HW 3.0



PQFNR/L

Lever Lock Face Turning Tools
Carrying Negative Inserts
with Four 80° Corners



Designation	H	HF	B	LF	LH	WF	T ⁽¹⁾	GAMP	GAMF	Insert
PQFNR/L 16-4	1.000	1.000	1.000	6.000	1.000	1.250	.394	-6.0	-6.0	QNMG 4

⁽¹⁾ T for r.0315

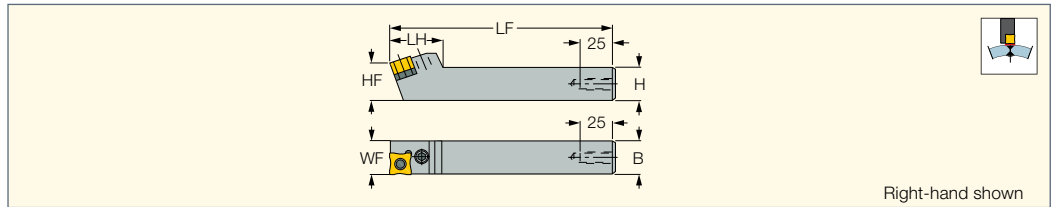
For inserts, see pages: QNMG-GN (176) • QNMG-NF (175) • QNMG-PP (175) • QNMG-TF (175)

Spare Parts

Designation						
PQFNR/L	TSN 423	SP 4	PN 3-4	LR 4	SR 117-2010	HW 3.0

PSANR/L

Lever Lock Tools Carrying
Negative Square Pipe
Skiving Inserts



Right-hand shown

M E T R I C

Designation	H	B	HF	LF	LH	WF	Insert
PSANR/L 2525M-15 ⁽¹⁾	25.0	25.0	26.0	150.00	38.0	25.00	SNMX 1507

⁽¹⁾ TXN 5-2 for SNMX 150608R-... inserts without chipbreaker for hard materials.

For inserts, see pages: SNMX 150608R-... (216) • SNMX 150708R-... (215)

Spare Parts

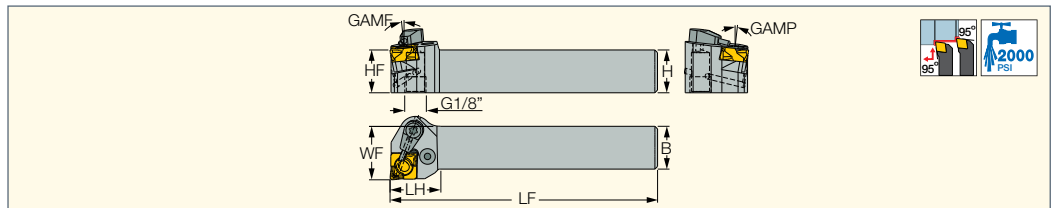
Designation					
PSANR/L 2525M-15	TXN 532	TXN 5-2*	SR 117-2020	LR 5S	HW 3.0

* Optional, should be ordered separately

LOGIC4TURN
POSITIVE DOUBLE SIDED
JETCUT

PCLXR/L-JHP

Lever Lock Tools with
Channels for High-Pressure
Coolant Carrying CXMG
80° Rhombic Inserts



Designation	B	H	HF	LF	LH	WF	GAMP	GAMF	Insert
PCLXR/L 08-3X-JHP	.500	.500	.500	3.250	.875	.625	6.0	6.0	CXMG 09..
PCLXR/L 10-3X-JHP	.625	.625	.625	4.500	.787	.750	6.0	6.0	CXMG 09..
PCLXR/L 12-4X-JHP	.750	.750	.750	4.500	1.000	1.000	6.0	6.0	CXMG 12..
PCLXR/L 16-4X-JHP	1.000	1.000	1.000	6.000	1.000	1.250	6.0	6.0	CXMG 12..

• For user guide, see pages 6-7, 76-82

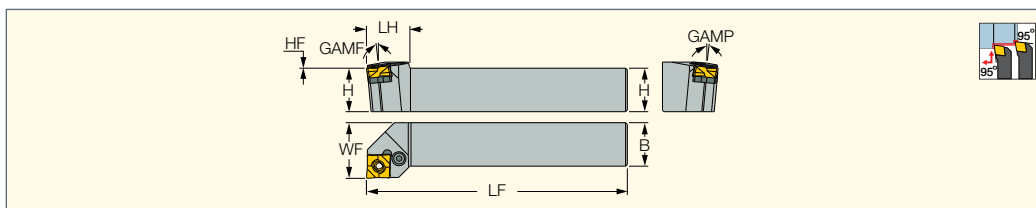
For inserts, see pages: CXMG-F3M (177) • CXMG-F3P (176) • CXMG-M3M (177) • CXMG-M3P (176)

Spare Parts

Designation							
PCLXL 08-3X-JHP		LR 3X SET	SR M6XL11.5V			T-8/5	S-CU-JHP-A SET
PCLXR 08-3X-JHP		LR 3X SET	SR M6XL11.5V			T-8/5	S-CU-JHP-A SET
PCLXL 10-3X-JHP		LR 3X SET	SR M6XL11.5V			T-8/5	S-CU-JHP-A SET
PCLXR 10-3X-JHP		LR 3X SET	SR M6XL11.5V			T-8/5	S-CU-JHP-A SET
PCLXL 12-4X-JHP	TCNX 423	LR 4X	SR LCS 5	SP 4	HW 3.0	PN 3-4	CH-1.9D-JHP-A SET
PCLXR 12-4X-JHP	TCNX 423	LR 4X	SR LCS 5	SP 4	HW 3.0	PN 3-4	CH-1.9D-JHP-A SET
PCLXL 16-4X-JHP	TCNX 423	LR 4X	SR LCS 5	SP 4	HW 3.0	PN 3-4	CH-1.9D-JHP-A SET
PCLXR 16-4X-JHP	TCNX 423	LR 4X	SR LCS 5	SP 4	HW 3.0	PN 3-4	CH-1.9D-JHP-A SET

LOGIQ4TURN
 POSITIVE DOUBLE SIDED

PCLXR/L

 Lever Lock Tools Carrying
 CXMG 80° Rhombic Inserts


Designation	B	HF	LF	LH	WF	GAMP	GAMF	Insert
PCLXR/L 08-3X	.500	.500	3.250	.875	.625	6.0	6.0	CXMG 09..
PCLXR/L 10-3X	.625	.625	4.000	.800	.800	6.0	6.0	CXMG 09..
PCLXR/L 12-4X	.750	.750	4.500	1.000	1.000	6.0	6.0	CXMG 12..
PCLXR/L 16-4X	1.000	1.000	6.000	1.000	1.250	6.0	6.0	CXMG 12..

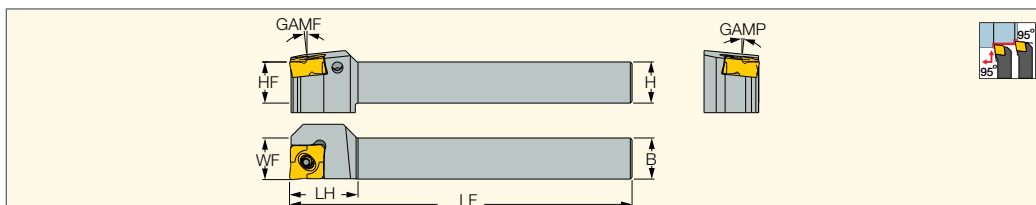
For inserts, see pages: CXMG-F3M (177) • CXMG-F3P (176) • CXMG-M3M (177) • CXMG-M3P (176)

Spare Parts

Designation							
PCLXL 08-3X		LR 3X SET		SR M6XL11.5V			T-8/5
PCLXR 08-3X		LR 3X SET		SR M6XL11.5V			T-8/5
PCLXL 10-3X		LR 3X SET		SR M6XL11.5V			T-8/5
PCLXR 10-3X		LR 3X SET		SR M6XL11.5V			T-8/5
PCLXL 12-4X	TCNX 423	LR 4X	HW 3.0		PN 3-4	SP 4	
PCLXR 12-4X	TCNX 423	LR 4X	HW 3.0	SR LCS 5	PN 3-4	SP 4	
PCLXL 16-4X	TCNX 423	LR 4X	HW 3.0	SR LCS 5	PN 3-4	SP 4	
PCLXR 16-4X	TCNX 423	LR 4X	HW 3.0	SR LCS 5	PN 3-4	SP 4	

LOGIQ4TURN
 POSITIVE DOUBLE SIDED

PCLXR/L-S

 Lever Lock Tools Carrying
 CXMG 80° Rhombic Inserts for
 Swiss type Automatic Lathes


Designation	B	H	HF	LF	LH	WF	GAMP	GAMF	MIID ⁽¹⁾
PCLXR/L 08-3XS	.500	.500	.500	3.990	.787	.510	6.0	6.0	CXMG 090402-F3P
PCLXR/L 10-3XS	.625	.625	.625	5.000	.787	.630	6.0	6.0	CXMG 090402-F3P

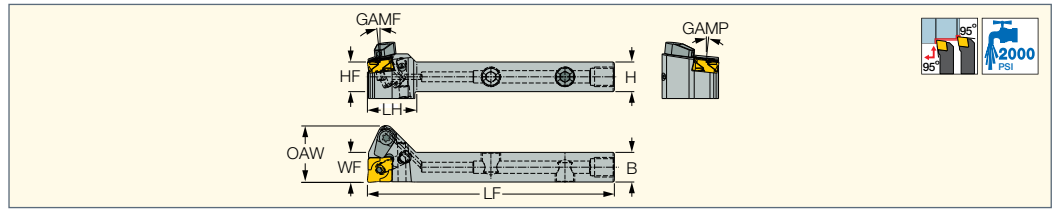
⁽¹⁾ Master insert identification

For inserts, see pages: CXMG-F3M (177) • CXMG-F3P (176) • CXMG-M3M (177) • CXMG-M3P (176)

Spare Parts

Designation				
PCLXR/L-S	SR-SW-M4X0.7	LR 3X SET	PIN-SW LR-3X	T-8/5

PCLXR/L-S-JHP
Lever Lock Tools with JETCUT
Coolant System Carrying
CXMG 80° Rhombic Inserts for
Swiss-Type Automatic Lathes



Designation	B	H	HF	LF	LH	WF	GAMP	GAMF	MIID ⁽¹⁾
PCLXR/L 08-3XS-JHP	.500	.500	.500	3.990	.787	.510	6.0	6.0	CXMG 090402-F3P
PCLXR/L 10-3XS-JHP	.625	.625	.625	5.000	.787	.630	6.0	6.0	CXMG 090402-F3P

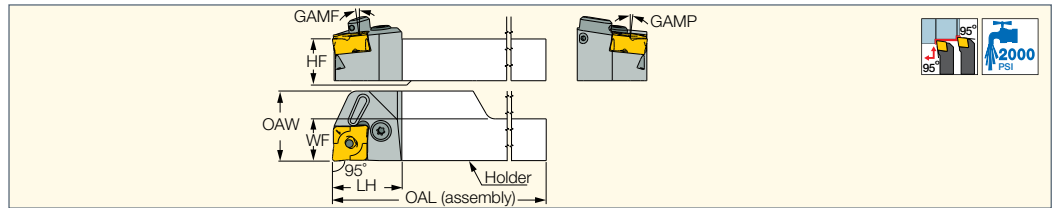
⁽¹⁾ Master insert identification

For inserts, see pages: CXMG-F3M (177) • CXMG-F3P (176) • CXMG-M3M (177) • CXMG-M3P (176)

Spare Parts

Designation								
PCLXL 08-3XS-JHP	SR-SW-M4X0.7	SR M5X5 SPR*	SR M3X3 DIN913 TL360	SR 5/16UNF TL360	CH-1.9D-JHP-A SET	LR 3X SET	PIN-SW LR-3X	T-8/5 SPRING-.55X2.9X6X6.8*
PCLXR 08-3XS-JHP	SR-SW-M4X0.7	SR M5X5 SPR*	SR M3X3 DIN913 TL360	SR 5/16UNF TL360	CH-1.9D-JHP-A SET	LR 3X SET	PIN-SW LR-3X	T-8/5 SPRING-.55X2.9X6X6.8*
PCLXL 10-3XS-JHP	SR-SW-M4X0.7	SR M5X5 SPR*	SR M3X3 DIN913 TL360	SR 5/16UNF TL360	CH-1.9D-JHP-A SET	LR 3X SET	PIN-SW LR-3X	HW 5/32" T-8/5 SPRING-.55X2.9X6X6.8*
PCLXR 10-3XS-JHP	SR-SW-M4X0.7	SR M5X5 SPR*	SR M3X3 DIN913 TL360	SR 5/16UNF TL360	CH-1.9D-JHP-A SET	LR 3X SET	PIN-SW LR-3X	HW 5/32" T-8/5 SPRING-.55X2.9X6X6.8*

NQCH-PCLXR/L-S-JHP
Lever Lock JETCUT Modular
Heads Carrying Positive
Double-Sided 80° Rhombic
Inserts for Swiss-Type Machines



Designation	WF	HF	LH	OAL	OAW	GAMP	GAMF	Insert
NQCH12-PCLXR/L-09X-JHP	.478	.472	.787	4.724	.793	6.0	6.0	CXMG 0904#
NQCH16-PCLXR/L-09X-JHP	.636	.630	.787	4.724	.793	6.0	6.0	CXMG 0904#

For inserts, see pages: CXMG-F3M (177) • CXMG-F3P (176) • CXMG-M3M (177) • CXMG-M3P (176)

For holders, see pages: NQCH-JHP (60)

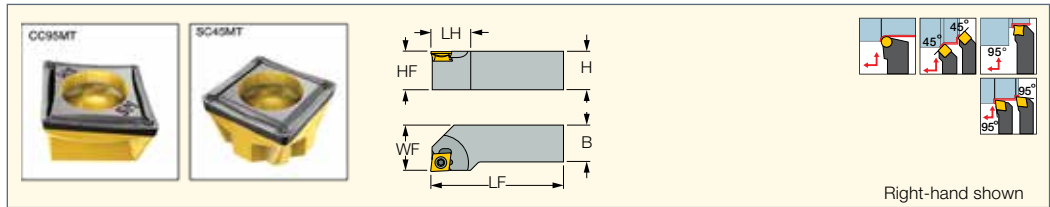
Spare Parts

Designation			
NQCH-PCLXR/L-S-JHP	LR 3X SET	SR M6XL11.5V	T-8/5

CHAMTURN

SUXCR-CM

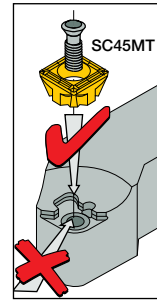
Screw Lock Toolholders for Four Different 7° Clearance Geometric Shapes



Designation	H	HF	B	LF	LH	GAMP	GAMF	WF
SUXCR 10-10 CM	.625	.625	.625	4.000	1.000	0	0	.750
SUXCR 12-10 CM	.750	.750	.750	4.500	1.000	0	0	1.000
SUXCR 16-10 CM	1.000	1.000	1.000	6.000	1.000	0	0	1.250

For inserts, see pages: CC95MT-SM (207) • SC45MT-SM (208)


Designation	H	HF	LF	LH	GAMP	GAMF	WF	Inserts
SUXCR 10-10 CM	.625	.625	4.000	1.00	0	0	.75	CC95MT...
								SC45MT...
SUXCR/L 12-10 CM	.750	.750	4.500	1.00	0	0	1.000	CC95MT...
								SC45MT...
SUXCR 16-10 CM	1.000	1.000	6.000	1.00	0	0	1.250	CC95MT...
								SC45MT...



Multifunction Tool Can Carry Two

- Different Inserts
 - Unique, versatile ISCAR pocket
 - For external applications
 - Covers most common operations
 - Simplifies tool selection
 - Simple screw clamping
 - Minimum spare parts
- Clamping direction for SC45MT...

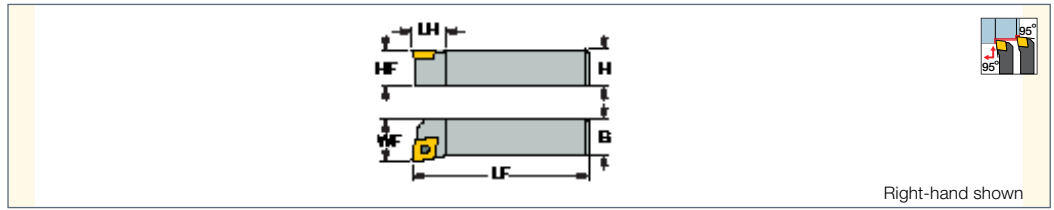
Spare Parts

Designation		
SUXCR-CM	SR 14-544/S	T-16/5



SCLCR/L

Screw Lock Tools Carrying
80° Diamond Inserts with
7° Clearance Angle



Designation	H	HF	B	LF	LH	WF	GAMP	GAMF	Insert
SCLCR/L 06-2	.375	.375	.375	2.500	.500	.500	0	0	CC.. 2
SCLCR/L 06-3	.375	.375	.375	2.500	.560	.500	0	0	CC.. 3
SCLCR/L 08-3	.500	.500	.500	3.500	.560	.630	0	0	CC.. 3
SCLCR/L 10-3	.625	.625	.625	4.500	.560	.750	0	0	CC.. 3
SCLCR/L 12-4	.750	.750	.750	4.500	.710	1.000	0	0	CC.. 4
SCLCR/L 16-3	1.000	1.000	1.000	6.000	.710	1.250	0	0	CC.. 3
SCLCR/L 16-4	1.000	1.000	1.000	6.000	.780	1.250	0	0	CC.. 4

For inserts, see pages: CCMT-CERMET (182) • CCMT-F3P (180) • CCMT-M3P (180) • CCMT-F3M (181) • CCMT-M3M (181) • CCMT-PF (183)
 • CCMT/CCGT-SM (182) • CCET-WF (184) • CCMT-WG (184) • CCGT-AS (212) • CCGT-AF (212) • CCMT-14 (183) • CCMT/CCGT (183) • CCGW/CCMT (CBN) (229)
 • CCGW/CCMW-2 (CBN) (230) • CCMT (PCD) (223)

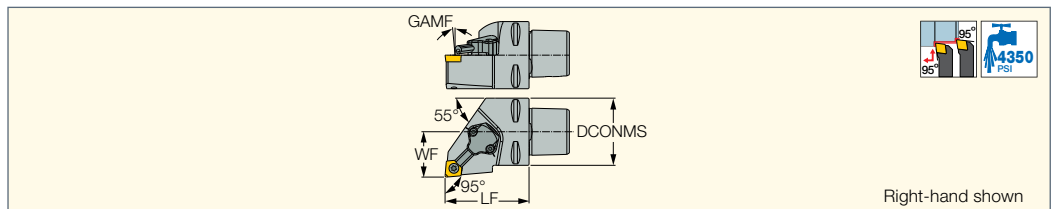
Spare Parts

Designation					
SCLCL 06-2	SR 14-548	T-7/5			
SCLCL 06-3	SR 16-236	T-15/5			
SCLCR 06-2	SR 14-548	T-7/5			
SCLCR 06-3	SR 16-236	T-15/5			
SCLCL 08-3	SR 16-236	T-15/5			
SCLCR 08-3	SR 16-236	T-15/5			
SCLCL 10-3	SR 16-236	T-15/5			
SCLCR 10-3	SR 16-236	T-15/5			
SCLCL 12-4	SR 16-212	T-20/5			
SCLCR 12-4	SR 16-212	T-20/5			
SCLCL 16-3	SR 16-236	T-15/5			
SCLCL 16-4	SR 16-212	T-20/5	TCC 4-2	SR TC-4	HW 3.0
SCLCR 16-3	SR 16-236	T-15/5			
SCLCR 16-4	SR 16-212	T-20/5	TCC 4-2	SR TC-4	HW 3.0

ISOTURN CAMFIX

C#-SCLCR/L-JHP

Screw Clamp Tools with CAMFIX
Shanks and Channels for
High-Pressure Coolant Carrying
Positive 80° Rhombic Inserts



Designation	DCONMS	WF	LF	GAMF	Insert	CP ⁽¹⁾	CDI ⁽²⁾
C3 SCLCR-22045-09-JHP	1.260	.866	1.772	0	CC.. 09T3	4350	0
C4 SCLCR/L 27050-09-JHP	1.575	1.063	1.968	0	CC.. 09T3	4350	1
C5 SCLCR/L 35060-09-JHP	1.968	1.378	2.362	0	CC.. 09T3	4350	1

• For user guide, see pages 6-7, 76-82, 677

⁽¹⁾ Coolant pressure (PSI)

⁽²⁾ 1 - Hole for data chip, 0 - Without hole for data chip

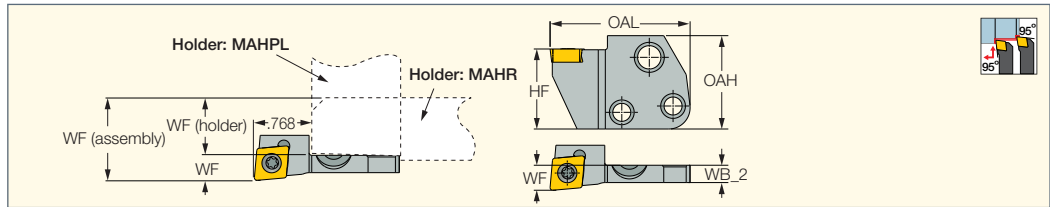
For inserts, see pages: CCMT-CERMET (182) • CCMT-F3P (180) • CCMT-M3P (180) • CCMT-F3M (181) • CCMT-M3M (181) • CCMT-PF (183)
 • CCMT/CCGT-SM (182) • CCET-WF (184) • CCMT-WG (184) • CCGT-AS (212) • CCGT-AF (212) • CCMT-14 (183) • CCMT/CCGT (183) • CCGW/CCMT (CBN) (229)
 • CCGW/CCMW-2 (CBN) (230) • CCMT (PCD) (223)



Spare Parts

Designation					
C3 SCLCR-22045-09-JHP	SR 16-236	T-15/5	CU-CW-JHP		T-8/5
C4 SCLCL 27050-09-JHP	SR 16-236	T-15/5	CU-CW-JHP	SR M5X5 DIN913 TL360	T-8/5
C4 SCLCR 27050-09-JHP	SR 16-236	T-15/5	CU-CW-JHP	SR M5X5 DIN913 TL360	T-8/5
C5 SCLCL 35060-09-JHP	SR 16-236	T-15/5	CU-CW-JHP	SR M5X5 DIN913 TL360	T-8/5
C5 SCLCR 35060-09-JHP	SR 16-236	T-15/5	CU-CW-JHP	SR M5X5 DIN913 TL360	T-8/5

ISOTURN
MODULARGRIP

SCLCR-PAD
Screw Lock Adapter Carrying
80° Diamond Inserts with
7° Clearance Angle



Designation	HF	OAL	OAH	WF	WB_2	Insert		
SCLCR-09-PAD	.945	1.654	1.102	.295	.205	CCGT/CCMT 09T3	SR 16-236	T-15/5

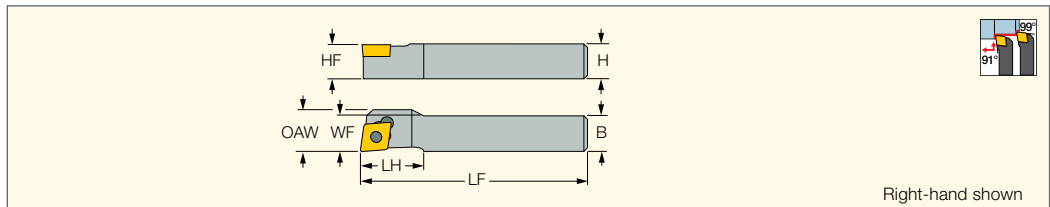
• WF(assembly) = WF(holder) + WF



For inserts, see pages: CCMT-CERMET (182) • CCMT-F3P (180) • CCMT-M3P (180) • CCMT-F3M (181) • CCMT-M3M (181) • CCMT-PF (183)
 • CCMT/CCGT-SM (182) • CCET-WF (184) • CCMT-WG (184) • CCGT-AS (212) • CCGT-AF (212) • CCMT-14 (183) • CCMT/CCGT (183) • CCGW/CCMT (CBN) (229)
 • CCGW/CCMW-2 (CBN) (230) • CCMT (PCD) (223)

For holders, see pages: C#-MAHPD-JHP (680) • C#-MAHD-JHP (679) • MAHPR/L-JHP (289) • MAHR/L-JHP (288) • MAHR/L (288) • MAHPR/L (289)
 • C#-MAHD (679) • C#-MAHPD (680) • C#-MAHDR-45 (678) • C#-MAHDOR (678) • HSK A63WH-MAHUR/L (688) • HSK A63WH-MAHDR-45 (687)
 • HSK A63WH-MAHDOR (687) • IM-MAHD (689) • IM-MAHPD (689) • HMSN-New Britain (529) • HMSDV (530) • DGHAL-DECO (Metric) (529)
 • HSTBS (529)

ISOTURN

SCACR/L-S
Screw Lock Tools for Swiss-Type
Machines Carrying 7° Clearance
80° Diamond Inserts

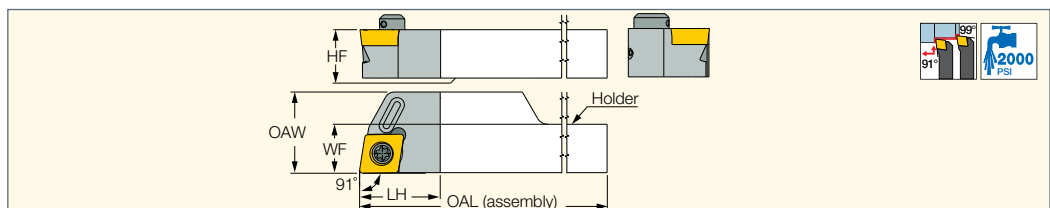




Designation	H	HF	B	LF	LH	WF	OAW	Insert		
SCACR/L 0808K-06S	.315	.315	.315	4.921	.315	.323	-	CC.. 0602	SR 14-548	T-7/5
SCACR/L 1010K-06S	.394	.394	.394	5.906	-	.394	-	CC.. 0602	SR 14-548	T-7/5
SCACR/L 1616K-06S	.630	.630	.630	4.921	-	.638	-	CC.. 0602	SR 14-548	T-7/5
SCACR/L 1010K-09S	.394	.394	.394	4.921	.598	.402	-	CC.. 09T3	SR 16-236	T-15/5
SCACR/L 1212K-09S	.472	.472	.472	4.921	.551	.478	.492	CC.. 09T3	SR 16-236	T-15/5
SCACR/L 1616K-09S	.630	.630	.630	4.921	-	.638	-	CC.. 09T3	SR 16-236	T-15/5

For inserts, see pages: CCMT-CERMET (182) • CCMT-F3P (180) • CCMT-M3P (180) • CCMT-F3M (181) • CCMT-M3M (181) • CCMT-PF (183)
 • CCMT/CCGT-SM (182) • CCET-WF (184) • CCMT-WG (184) • CCGT-AS (212) • CCMT-14 (183) • CCMT/CCGT (183) • CCGW/CCMT (CBN) (229)
 • CCGW/CCMW-2 (CBN) (230) • CCMT (PCD) (223)

NEOSWISS
INDEXABLE HEADS
ISOTURN

NQCH-SCACR/L-JHP
Screw Lock JETCUT Modular
Heads Carrying 7° Clearance
80° Rhombic Inserts for
Swiss-Type Machines



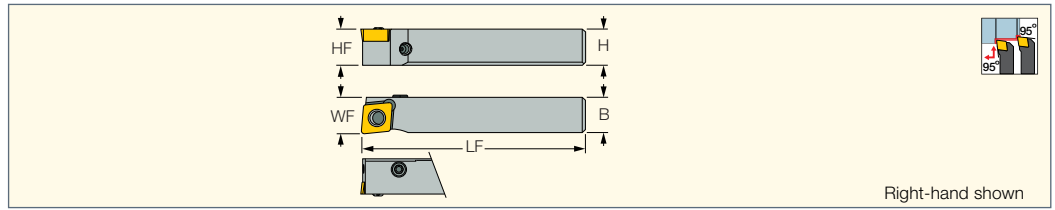
Designation	WF	HF	LH	OAL	OAW	Insert		
NQCH12-SCACR-09S-JHP	.478	.472	.787	4.724	.793	CC#09T3#(3-#)	SR 16-236	T-15/5
NQCH16-SCACR-09S-JHP	.636	.630	.787	4.724	.793	CC#09T3#(3-#)	SR 16-236	T-15/5

For inserts, see pages: CCET-WF (184) • CCGT-AS (212) • CCGW/CCMT (CBN) (229) • CCGW/CCMW-2 (CBN) (230) • CCMT (PCD) (223)
 • CCMT-14 (183) • CCMT-CERMET (182) • CCMT-F3M (181) • CCMT-F3P (180) • CCMT-M3M (181) • CCMT-M3P (180) • CCMT-PF (183) • CCMT-WG (184)
 • CCMT/CCGT (183) • CCMT/CCGT-SM (182)

For holders, see pages: NQCH-JHP (60)

PCLCR/L-S

Side Lever Lock Tools Carrying 80° Positive Rhombic Inserts for Swiss Automatic Machines



Designation	H	HF	B	LF	WF
PCLCR 06-3S	.375	.375	.500	5.900	.510
PCLCR 08-3S	.500	.500	.500	5.900	.500
PCLCR/L 10-3S	.625	.625	.625	5.900	.630
PCLCR 12-3S	.750	.750	.750	5.900	.756

- The clamping screw may be transferred to the opposite side if needed
- For inserts, see pages: CCMT-CERMET (182) • CCMT-F3P (180) • CCMT-M3P (180) • CCMT-F3M (181) • CCMT-M3M (181) • CCMT-PF (183) • CCMT/CCGT-SM (182) • CCET-WF (184) • CCMT-WG (184) • CCGT-AS (212) • CCGT-AF (212) • CCMT-14 (183) • CCMT/CCGT (183) • CCGW/CCMT (CBN) (229) • CCGW/CCMW-2 (CBN) (230) • CCMT (PCD) (223)

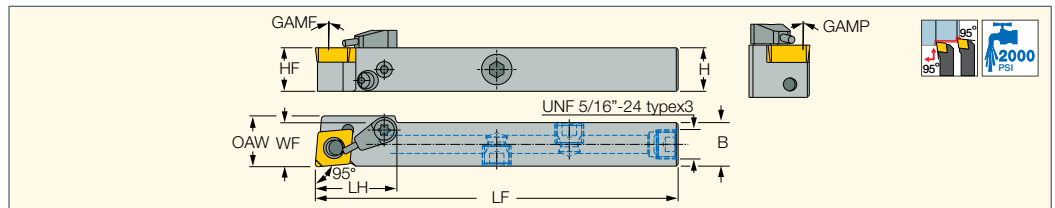
Spare Parts

Designation				
PCLCR/L-S	SL LV-3	SL PI-3	SR 10400150	HW 2.5/5

ISOTURN JETCUT

PCLCR/L-S-JHP

Tools with Channels for High-Pressure Coolant Carrying 80° Positive Rhombic Inserts for Swiss Automatic Machines



Designation	H	HF	B	LF	LH	WF	OAW	GAMP	GAMF	Insert
PCLCR/L 08-3S-JHP	.500	.500	.500	4.000	.900	.510	.550	0	0	CC.. 3
PCLCR/L 10-3S-JHP	.625	.625	.625	4.000	.900	.630	-	0	0	CC.. 3
PCLCR 12-3S-JHP	.750	.750	.750	4.000	.900	.760	-	0	0	CC.. 3

- For user guide see pages 6-7, 76-82
- For inserts, see pages: CCMT-CERMET (182) • CCMT-F3P (180) • CCMT-M3P (180) • CCMT-F3M (181) • CCMT-M3M (181) • CCMT-PF (183) • CCMT/CCGT-SM (182) • CCET-WF (184) • CCMT-WG (184) • CCGT-AS (212) • CCGT-AF (212) • CCMT-14 (183) • CCMT/CCGT (183) • CCGW/CCMT (CBN) (229) • CCGW/CCMW-2 (CBN) (230) • CCMT (PCD) (223)

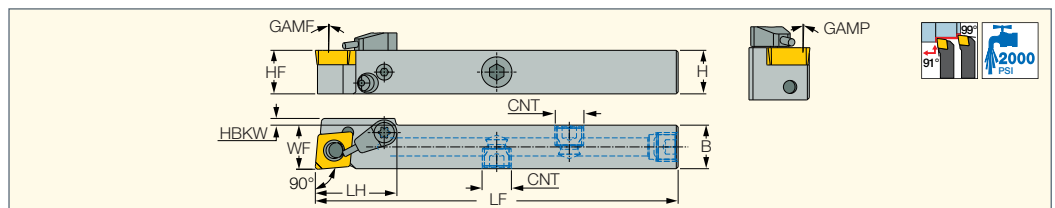
Spare Parts

Designation						
PCLCR/L-S-JHP	SL LV-3	SL PI-3	SR 10400150	HW 2.5/5	SR 5/16UNF TL360	S-CU-JHP-A SET

ISOTURN JETCUT

PCACR/L-JHP

Lever Lock Tools with High Pressure Coolant Channels for 80° Positive Rhombic Inserts for Swiss Automatic Machines



Designation	H	HF	B	LF	LH	WF	HBKW	GAMP	GAMF	CNT	Insert
PCACR/L 08-3S-JHP	.500	.500	.500	4.000	.900	.510	.04	0	0	UNF 5/16"	CC...3..

- For user guide see pages 6-7, 76-82
- For inserts, see pages: CCMT-CERMET (182) • CCMT-F3P (180) • CCMT-M3P (180) • CCMT-F3M (181) • CCMT-M3M (181) • CCMT-PF (183) • CCMT/CCGT-SM (182) • CCET-WF (184) • CCMT-WG (184) • CCGT-AS (212) • CCGT-AF (212) • CCMT-14 (183) • CCMT/CCGT (183) • CCGW/CCMT (CBN) (229) • CCGW/CCMW-2 (CBN) (230) • CCMT (PCD) (223)

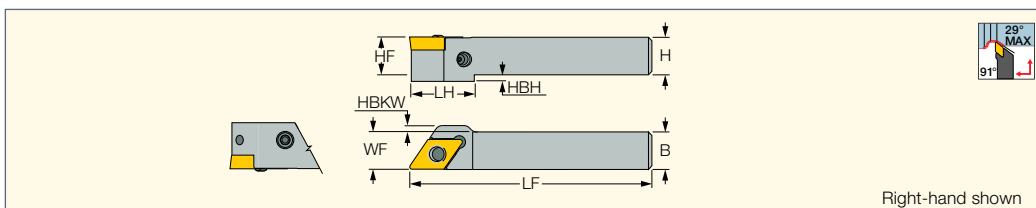
Spare Parts

Designation							
PCACR/L 08-3S-JHP	SL LV-3	SL PI-3	SR 10400150	HW 2.5/5	SR 5/16UNF TL360	SR M4X4 DIN913 TL360	S-CU-JHP-A SET

ISOTURN

PDACR/L-S

Side Lever Lock Tools Carrying 55° Positive Rhombic Inserts for Swiss Automatic Machines



Designation	H	HF	LH	HBH	B	LF	WF	HBKW	GAMP	GAMF				
PDACR 06-3S	.375	.375	.830	.12	.500	5.900	.510	.0800	0	0	SL LV-3	SL PI-3	SR 10400150	HW 2.5/5
PDACR/L 08-3S	.500	.500	-	-	.500	5.900	.510	.0800	0	0	SL LV-3	SL PI-3	SR 10400150	HW 2.5/5
PDACR/L 10-3S	.625	.625	-	-	.625	5.900	.630	-	0	0	SL LV-3	SL PI-3	SR 10400150	HW 2.5/5
PDACR 12-3S	.750	.750	-	-	.750	5.900	.790	-	0	0	SL LV-3	SL PI-3	SR 10400150	HW 2.5/5

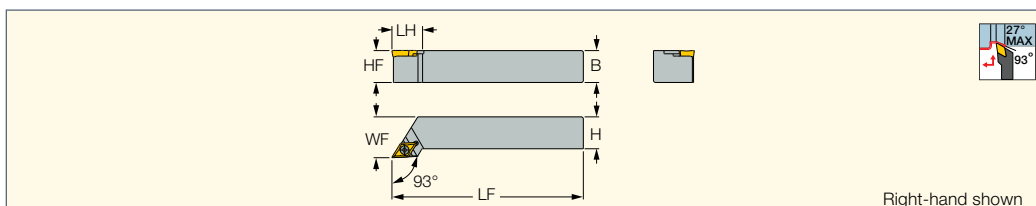
• The clamping screw may be transferred to the opposite side if needed

- For inserts, see pages: DCGT-F1M-12P (189) • DCGT-F1M-20P (189) • DCMT/DCGT-PF (190) • DCMT/DCGT-SM (191) • DCET-WF (192)
 • DCGT-AS (213) • DCGT-AF (213) • DCMT-14 (192) • DCMT/DCGT (191) • DCGW/DCMW-2 (CBN) (233) • DCMT (CBN) (232) • DCMT (PCD) (224)

T-LOCK ISOTURN

SDJCR/L-13-SL

Screw Lock Tools Carrying 55° Diamond Inserts with 7° Clearance Angle for High Rigidity in Profiling Applications



Designation	H	HF	B	LF	LH	WF	GAMP	GAMF	Insert		
SDJCR/L 10-13-SL	.625	.625	.625	4.000	.940	.830	0	0	DCMT 13T5-SL	SR M4X0.7-L9.6 IP15	TORX PLUS IP15X45
SDJCR/L 12-13-SL	.750	.750	.750	5.000	.940	1.060	0	0	DCMT 13T5-SL	SR M4X0.7-L9.6 IP15	TORX PLUS IP15X45
SDJCR 16-13-SL	1.000	1.000	1.000	6.000	.940	1.260	0	0	DCMT 13T5-SL	SR M4X0.7-L9.6 IP15	TORX PLUS IP15X45

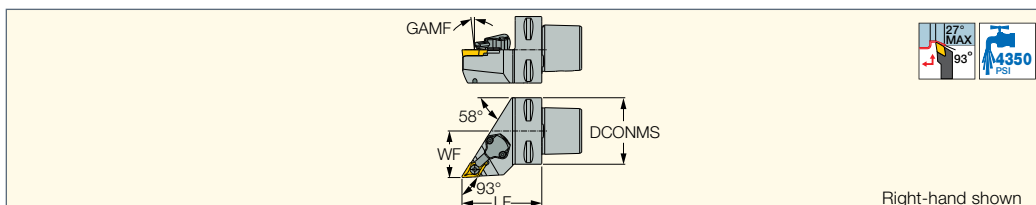
• Insert clamping torque 27 lbf·in

For inserts, see pages: DCMT-F3P-SL (185) • DCMT-M3M-SL (187) • DCMT-PF-SL (189) • DCMT-SM-SL (190)

T-LOCK CAMFIX

C#-SDJCR/L-13-SL-JHP

Screw Clamp Tools with CAMFIX Shanks and Channels for High-Pressure Coolant Carrying Positive 55° Rhombic Inserts



Designation	DCONMS	WF	LF	GAMF	Insert	CDI ⁽¹⁾
C3 SDJCR-22040-13-SL-JHP	1.260	.866	1.575	0	DCMT 13T5-SL	0
C4 SDJCR/L-27055-13-SL-JHP	1.575	1.063	2.165	0	DCMT 13T5-SL	1
C5 SDJCR/L-35060-13-SL-JHP	1.968	1.378	2.362	0	DCMT 13T5-SL	1

• For user guide, see pages 6-7, 76-82, 677

(1) 1 - Hole for data chip, 0 - Without hole for data chip

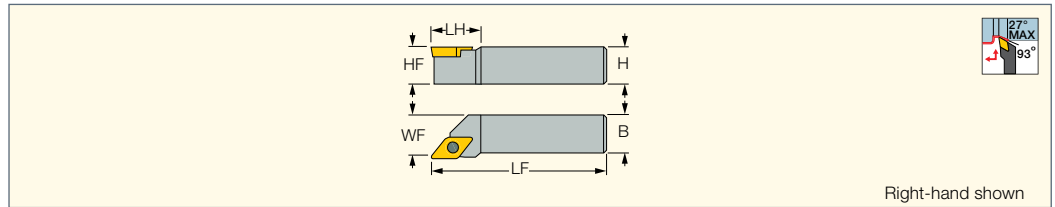
For inserts, see pages: DCMT-F3P-SL (185) • DCMT-M3M-SL (187) • DCMT-PF-SL (189) • DCMT-SM-SL (190)

Spare Parts

Designation					
C3 SDJCR-22040-13-SL-JHP	CH-1.9D-JHP	SR M4X4 DIN913 TL360		SR M4X0.7-L9.5 IP15	
C4 SDJCR/L-27055-13-SL-JHP	CU-D-JHP	SR M5X5 DIN913 TL360	TORX PLUS IP15X45	SR M4X0.7-L9.6 IP15	T-8/5
C5 SDJCR/L-35060-13-SL-JHP	CU-D-JHP	SR M5X5 DIN913 TL360	TORX PLUS IP15X45	SR M4X0.7-L9.6 IP15	T-8/5

SDJCR/L

Screw Lock Tools Carrying
55° Diamond Inserts with
7° Clearance Angle



Designation	H	HF	B	LF	LH	WF	GAMP	GAMF	Insert
SDJCR 06-2	.375	.375	.375	3.000	.400	.440	0	0	DC.. 2
SDJCR/L 08-3	.500	.500	.500	3.500	.780	.630	0	0	DC.. 3
SDJCR/L 10-3	.625	.625	.625	4.500	.780	.750	0	0	DC.. 3
SDJCR/L 12-3	.750	.750	.750	4.500	.780	1.000	0	0	DC.. 3
SDJCR/L 16-3	1.000	1.000	1.000	6.000	.780	1.250	0	0	DC.. 3

For inserts, see pages: DCGT-F1M-12P (189) • DCGT-F1M-20P (189) • DCMT/DCGT-PF (190) • DCMT/DCGT-SM (191) • DCET-WF (192)
• DCGT-AS (213) • DCGT-AF (213) • DCMT-14 (192) • DCMT/DCGT (191) • DCGW/DCMW-2 (CBN) (233) • DCMT (CBN) (232) • DCMT (PCD) (224)

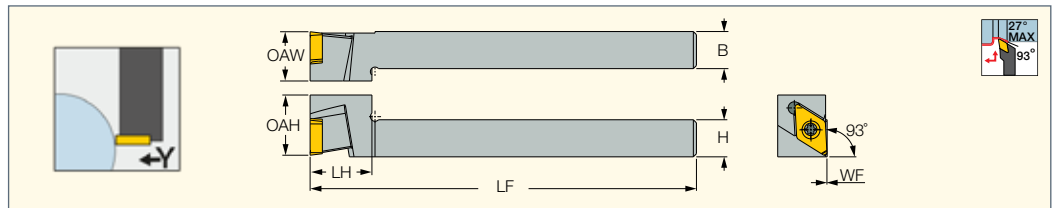
Spare Parts

Designation					
SDJCR 06-2	SR 14-548	T-7/5			
SDJCR/L 08-3	SR 16-236 P	T-15/5			
SDJCR/L 10-3	SR 16-236 P	T-15/5			
SDJCR/L 12-3	SR 16-236 P	T-15/5			
SDJCR/L 16-3	SR 16-236 P	T-15/5	TDC 3-1P	SR TC-3P	HW 4.0

NEO^{AXIS}SWISS

Y-SDJCR

Y-Axis Screw Lock Integral
Tools Carrying 7° Clearance
55° Rhombic Inserts for
Swiss-Type Machines



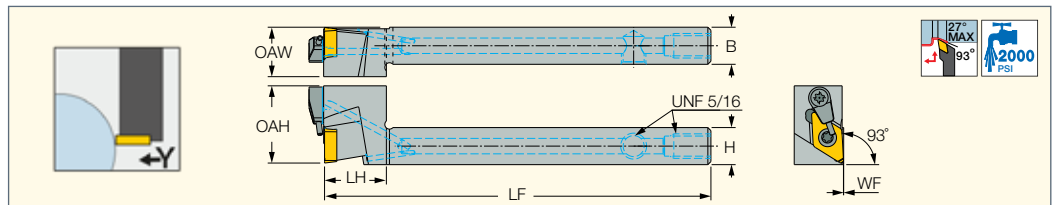
Designation	H	B	LF	LH	OAH	OAW	WF	Insert		
Y-SDJCR 08-3S	.500	.500	5.000	.827	.787	.630	0	DC.. 3	SR 35080I	T-15/5
Y-SDJCR 1616K-11S	.630	.630	4.921	.827	.787	.630	0	DCMT 11T3..	SR 35080I	T-15/5

For inserts, see pages: DCET-WF (192) • DCGT-AF (213) • DCGT-AS (213) • DCGT-F1M-12P (189) • DCGT-F1M-20P (189) • DCGW/DCMW-2 (CBN) (233)
• DCMT (CBN) (232) • DCMT (PCD) (224) • DCMT-14 (192) • DCMT-CERMET (188) • DCMT-F3P (186) • DCMT-M3M (186) • DCMT/DCGT (191)
• DCMT/DCGT-PF (190) • DCMT/DCGT-SM (191)

NEO^{AXIS}SWISS

Y-SDJCR-JHP

Y-Axis Screw Lock JETCUT
Integral Tools Carrying 7°
Clearance 55° Rhombic Inserts
for Swiss-Type Machines

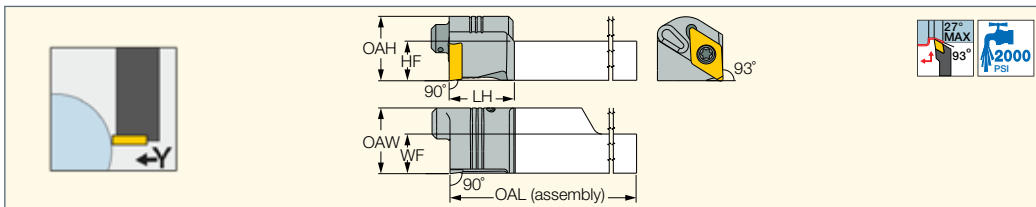


Designation	H	B	LF	LH	OAH	OAW	WF	Insert				
Y-SDJCR 08-3S-JHP	.500	.500	5.000	.827	1.004	.630	0	DC.. 3	SR 35080I	T-15/5	HW 5/32"	SR 5/16UNF TL360
Y-SDJCR 1616K-11S-JHP	.630	.630	4.921	.827	1.004	.630	0	DCMT 11T3..	SR 35080I	T-15/5	HW 5/32"	SR 5/16UNF TL360

For inserts, see pages: DCET-WF (192) • DCGT-AF (213) • DCGT-AS (213) • DCGT-F1M-12P (189) • DCGT-F1M-20P (189) • DCGW/DCMW-2 (CBN) (233)
• DCMT (CBN) (232) • DCMT (PCD) (224) • DCMT-14 (192) • DCMT-CERMET (188) • DCMT-F3P (186) • DCMT-M3M (186) • DCMT/DCGT (191)
• DCMT/DCGT-PF (190) • DCMT/DCGT-SM (191)

NEOSWISS
INDEXABLE HEADS
ISOTURN

NQCH-Y-SDJCR-S-JHP
Y-Axis Screw Lock JETCUT
Modular Heads Carrying
7° Clearance 55° Rhombic
Inserts for Swiss-Type Machines



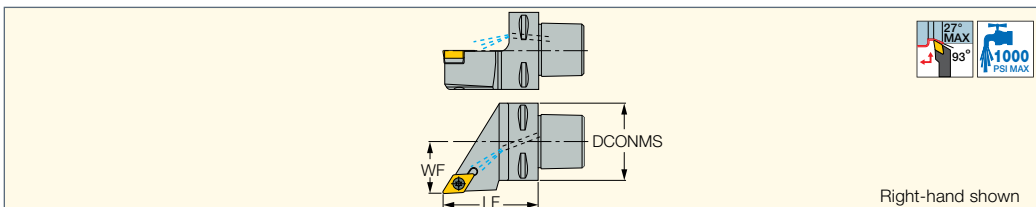
Designation	WF	HF	LH	OAL	OAW	Insert		
NQCH12-Y-SDJCR-11S-JHP	.478	.480	.787	4.724	.787	DC#11T3(3-#)	SR 16-236 P	T-15/5
NQCH16-Y-SDJCR-11S-JHP	.636	.638	.787	4.724	.787	DC#11T3(3-#)	SR 16-236 P	T-15/5

For inserts, see pages: DCET-WF (192) • DCGT-AF (213) • DCGT-AS (213) • DCGW/DCMW-2 (CBN) (233) • DCMT (CBN) (232) • DCMT (PCD) (224) • DCMT-14 (192) • DCMT-CERMET (188) • DCMT-F3P (186) • DCMT-M3M (186) • DCMT/DCGT (191) • DCMT/DCGT-PF (190) • DCMT/DCGT-SM (191)

For holders, see pages: NQCH-JHP (60)

ISOTURN CAMFIX

C#-SDJCR/L
Screw Lock Tools with
CAMFIX Exchangeable Shanks
Carrying 55° Rhombic Inserts
with 7° Clearance Angle



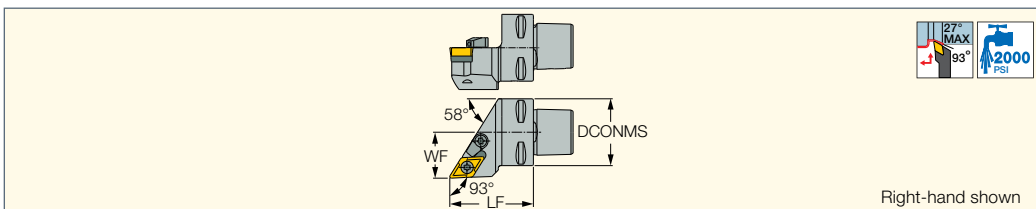
Designation	DCONMS	WF	LF	Insert	CDI ⁽¹⁾	CP ⁽²⁾						
C4 SDJCR-27050-11	1.575	1.063	1.968	DC.. 11T3	1	1015	TDC 3-1P	SR TC-3P	HW 4.0	SR 16-236 P	T-15/5	EZ 83
C5 SDJCR-35060-11	1.968	1.378	2.362	DC.. 11T3	1	1015	TDC 3-1P	SR TC-3P	HW 4.0	SR 16-236 P	T-15/5	EZ 104

⁽¹⁾ 1 - Hole for data chip, 0 - Without hole for data chip
⁽²⁾ Coolant pressure (PSI)

For inserts, see pages: DCMT-CERMET (188) • DCMT-F3P (186) • DCMT-M3M (186) • DCMT/DCGT-PF (190) • DCMT/DCGT-SM (191) • DCET-WF (192) • DCGT-AS (213) • DCGT-AF (213) • DCMT-14 (192) • DCMT/DCGT (191) • DCGW/DCMW-2 (CBN) (233) • DCMT (CBN) (232) • DCMT (PCD) (224)

ISOTURN CAMFIX

C#-SDJCR-JHP
Screw Clamp Tools with CAMFIX
Shanks and Channels for
High-Pressure Coolant Carrying
Positive 55° Rhombic Inserts



Designation	DCONMS	WF	LF	Insert	CP ⁽¹⁾	CDI ⁽²⁾
C3 SDJCR-22040-11-JHP	1.260	.866	1.575	DC.. 3..	2030	0

⁽¹⁾ Coolant pressure (PSI)
⁽²⁾ 1 - Hole for data chip, 0 - Without hole for data chip

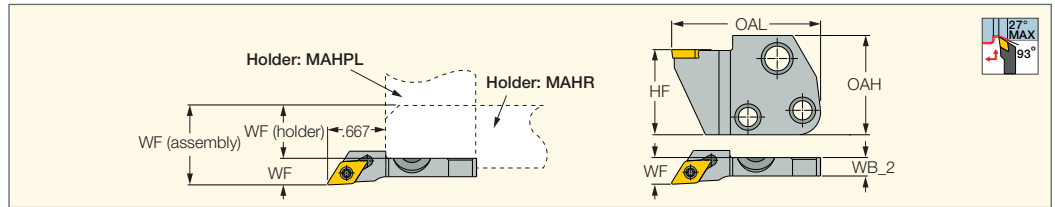
For inserts, see pages: DCMT-CERMET (188) • DCMT-F3P (186) • DCMT-M3M (186) • DCMT/DCGT-PF (190) • DCMT/DCGT-SM (191) • DCET-WF (192) • DCGT-AS (213) • DCGT-AF (213) • DCMT-14 (192) • DCMT/DCGT (191) • DCGW/DCMW-2 (CBN) (233) • DCMT (CBN) (232) • DCMT (PCD) (224)

Spare Parts

Designation							
C3 SDJCR-22040-11-JHP	TDC 3-1P	SR TC-3P	SR 16-236 P	T-15/5	CH-1.9D-JHP	WASHER 4.2X5.6X0.5	SR M4X4 DIN913 TL360

ISOTURN
MODULAR GRIP

SDJCR-PAD
Screw Lock Adapter for
55° Diamond Inserts with
7° Clearance Angle



Designation	HF	OAH	OAL	WF	WB_2	Insert		
SDJCR-07-PAD	.945	1.102	1.654	.295	.205	DCMT/DCGT 0702	SR 14-548	T-7/5

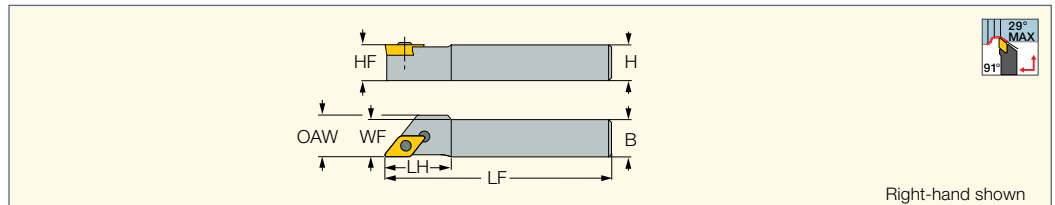
• WF (assembly) = WF (holder) + WF

For inserts, see pages: DCGT-F1M-12P (189) • DCGT-F1M-20P (189) • DCMT-F3P (186) • DCMT-M3M (186) • DCMT/DCGT-PF (190) • DCMT/DCGT-SM (191) • DCET-WF (192) • DCGT-AS (213) • DCMT/DCGT (191) • DCGW/DCMW-2 (CBN) (233)

For holders, see pages: C#-MAHPD-JHP (680) • C#-MAHD-JHP (679) • MAHPR/L-JHP (289) • MAHR/L-JHP (288) • MAHR/L (288) • MAHPR/L (289) • C#-MAHD (679) • C#-MAHPD (680) • C#-MAHDR-45 (678) • C#-MAHDOR (678) • HSK A63WH-MAHUR/L (688) • HSK A63WH-MAHDR-45 (687) • HSK A63WH-MAHDOR (687) • IM-MAHD (689) • IM-MAHPD (689) • HMSN-New Britain (529) • HMSDV (530) • DGHAL-DECO (Metric) (529) • HSTBS (529)

ISOTURN

SDACR/L
Screw Lock Tools Carrying
55° Diamond Inserts with
7° Clearance Angle



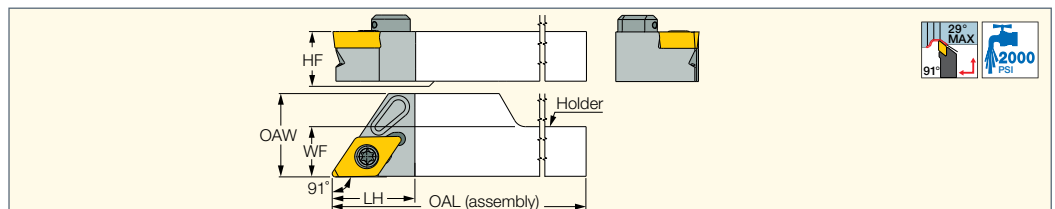
Designation	H	HF	B	LF	LH	WF	OAW	Insert		
SDACR/L 1010K-07S	.394	.394	.394	4.921	-	.394	-	DC.. 2	SR 14-548	T-7/5
SDACR/L 1212K-07S	.472	.472	.472	4.921	-	.472	-	DC.. 2	SR 14-548	T-7/5
SDACR/L 1212K-11S	.472	.472	.472	4.921	.787	.472	.551	DC.. 3	SR 16-236 P	T-15/5
SDACR/L 1616K-11S	.630	.630	.630	4.921	-	.630	-	DC.. 3	SR 16-236 P	T-15/5

For inserts, see pages: DCGT-F1M-12P (189) • DCGT-F1M-20P (189) • DCMT-CERMET (188) • DCMT-F3P (186) • DCMT-M3M (186) • DCMT/DCGT-PF (190) • DCMT/DCGT-SM (191) • DCET-WF (192) • DCGT-AS (213) • DCGT-AF (213) • DCMT-14 (192) • DCMT/DCGT (191) • DCGW/DCMW-2 (CBN) (233) • DCMT (CBN) (232) • DCMT (PCD) (224)

NEOSWISS
INDEXABLE HEADS

ISOTURN

NQCH-SDACR/L-S-JHP
Screw Lock JETCUT Modular
Heads Carrying 7° Clearance
55° Rhombic Inserts for
Swiss-Type Machines



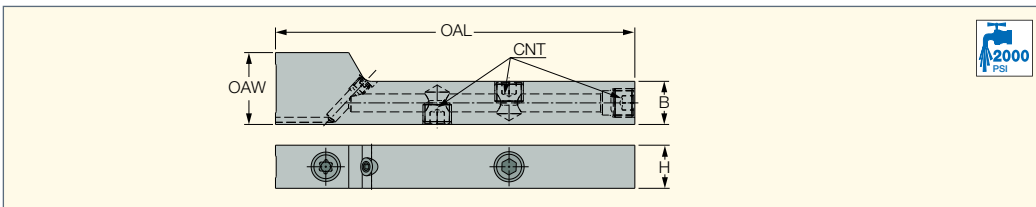
Designation	WF	HF	LH	OAL	OAW	Insert		
NQCH12-SDACR/L-11S-JHP	.478	.472	.787	4.724	.793	DC#11T3(3-#)	SR 16-236 P	T-15/5
NQCH16-SDACR/L-11S-JHP	.636	.630	.787	4.724	.793	DC#11T3(3-#)	SR 16-236 P	T-15/5

For inserts, see pages: DCET-WF (192) • DCGT-AF (213) • DCGT-AS (213) • DCGW/DCMW-2 (CBN) (233) • DCMT (CBN) (232) • DCMT (PCD) (224) • DCMT-14 (192) • DCMT-CERMET (188) • DCMT-F3P (186) • DCMT-M3M (186) • DCMT/DCGT (191) • DCMT/DCGT-PF (190) • DCMT/DCGT-SM (191)

For holders, see pages: NQCH-JHP (60)

NQCH-JHP

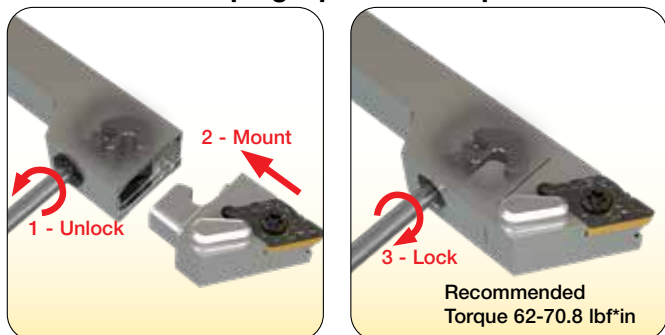
JETCUT Square Shanks for NEOSWISS Modular Heads intended for Swiss-Type Machines



Designation	B	H	OAL	OAW	CNT			
NQCHL-12.7-JHP	.500	.500	3.937	.787	UNF 5/16-24	SR 5/16UNF TL360	SW6-T-SH	BLD IP20/S7
NQCHR-12.7-JHP	.500	.500	3.937	.787	UNF 5/16-24	SR 5/16UNF TL360	SW6-T-SH	BLD IP20/S7
NQCH-1616-JHP	.630	.630	3.937	.787	UNF 5/16-24	SR 5/16UNF TL360	SW6-T-SH	BLD IP20/S7

For tools, see pages: NQCH-DGTR/L-D-SH-JHP (522) • NQCH-GHSR/L-JHP (399) • NQCH-PCHR/L-S-JHP (403) • NQCH-PCLXR/L-S-JHP (51)
 • NQCH-SCACR/L-JHP (54) • NQCH-SCHR/L-BF-JHP (388) • NQCH-SDACR/L-S-JHP (59) • NQCH-SDJNR/L-S-JHP (30) • NQCH-SVACR/L-S-JHP (66)
 • NQCH-SWLNLR/L-S-JHP (8) • NQCH-Y-SCHR-BF-JHP (388) • NQCH-Y-SDJCR-S-JHP (58) • NQCH-Y-SVJCR-S-JHP (64)

Clamping Operation Steps



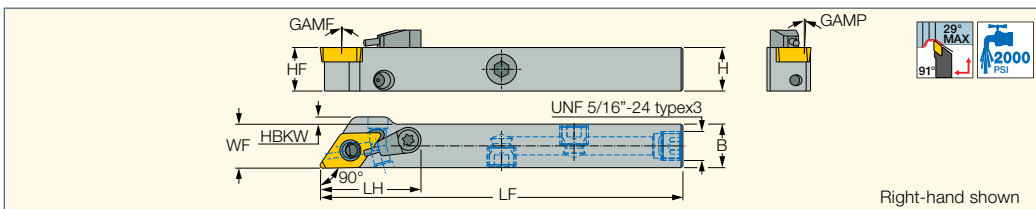
Attention: The clamping screw is not removable. To avoid undesired damage, do not apply excessive force when opening or clamping.



Supplied Accessories	Item No: 7003805 SW6-T-SH
	Item No: 7002553 BLD IP20/S7
Recommended (Optional) Accessories	Item No: 7007221 TSA 6 44.1-123.5 lbf*in (TSA 6 5-14 N*m)
	Item No: 7007027 BLD 6 T20IP

PDACR/L-JHP

Tools with Channels for High-Pressure Coolant Carrying 55° Positive Rhombic Inserts for Swiss Automatic Machines



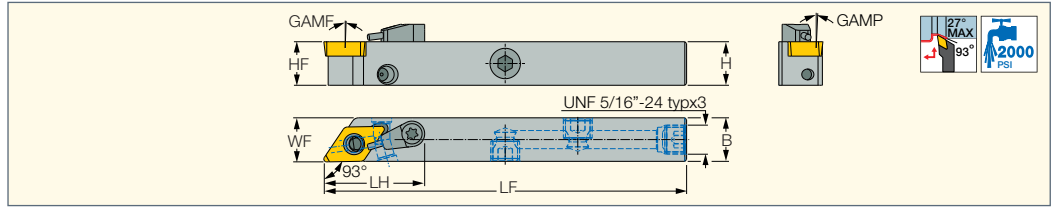
Designation	H	HF	B	LF	LH	WF	HBKW	GAMP	GAMF	Insert
PDACR/L 08-3S-JHP	.500	.500	.500	4.000	1.100	.510	.1200	0	0	DCMT 3..
PDACR/L 10-3S-JHP	.625	.625	.625	4.000	1.100	.630	-	0	0	DCMT 3..
PDACR 12-3S-JHP	.750	.750	.750	4.000	1.100	.790	-	0	0	DCMT 3..

• For user guide see pages 6-7, 76-82
For inserts, see pages: DCGT-F1M-12P (189) • DCGT-F1M-20P (189) • DCMT/DCGT-PF (190) • DCMT/DCGT-SM (191) • DCET-WF (192)
 • DCGT-AS (213) • DCGT-AF (213) • DCMT-14 (192) • DCMT/DCGT (191) • DCGW/DCMW-2 (CBN) (233) • DCMT (CBN) (232) • DCMT (PCD) (224)

Spare Parts

Designation						
PDACR/L-JHP	SL LV-3	SL PI-3	SR 10400150	HW 2.5/5	SR 5/16UNF TL360	S-CU-JHP-A SET

PDJCR/L-JHP
Lever Lock Tools with Channels for High Pressure Coolant for 55° Positive Rhombic Inserts for Swiss Automatic Machines



Designation	H	HF	B	LF	LH	WF	GAMP	GAMF	Insert
PDJCR/L 08-3S-JHP	.500	.500	.500	4.000	1.100	.510	0	0	DCMT 3..
PDJCR/L 10-3S-JHP	.625	.625	.625	4.000	1.100	.630	0	0	DCMT 3..

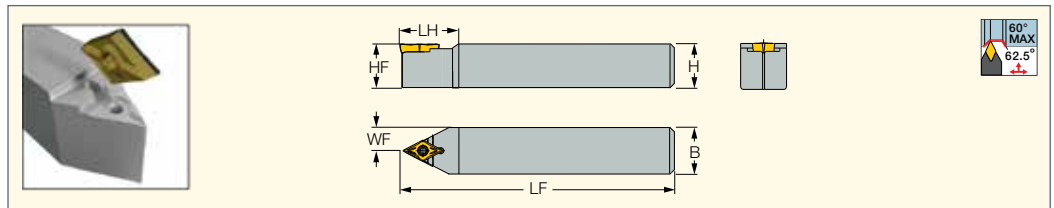
- For user guide see pages 6-7, 76-82
- For inserts, see pages: DCGT-F1M-12P (189) • DCGT-F1M-20P (189) • DCMT/DCGT-PF (190) • DCMT/DCGT-SM (191) • DCET-WF (192) • DCGT-AS (213) • DCGT-AF (213) • DCMT-14 (192) • DCMT/DCGT (191) • DCGW/DCMW-2 (CBN) (233) • DCMT (CBN) (232) • DCMT (PCD) (224)

Spare Parts

Designation						
PDJCR/L-JHP	SL LV-3	SL PI-3	SR 10400150	HW 2.5/5	SR 5/16UNF TL360	S-CU-JHP-A SET

T-LOCK ISOTURN

SDNCN-13-SL
Screw Lock Tools Carrying 55° Diamond Inserts with 7° Clearance Angle for High Rigidity in Profiling Applications



Designation	H	HF	B	LF	LH	WF	GAMP	GAMF	Insert
SDNCN 10-13-SL	.625	.625	.625	4.000	.980	.310	0	0	DCMT 13T5-SL
SDNCN 12-13-SL	.750	.750	.750	5.000	.980	.380	0	0	DCMT 13T5-SL
SDNCN 16-13-SL	1.000	1.000	1.000	6.000	.980	.380	0	0	DCMT 13T5-SL

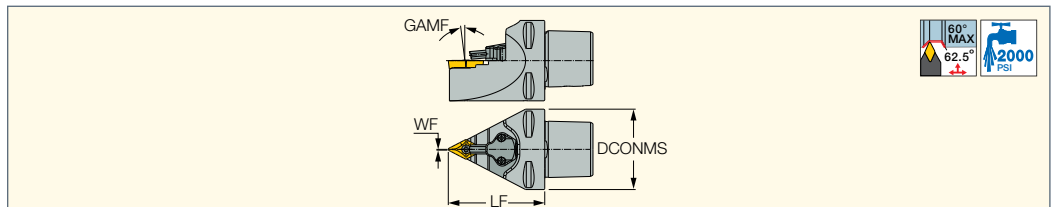
- Insert clamping torque 27 lbf·in
- For inserts, see pages: DCMT-F3P-SL (185) • DCMT-M3M-SL (187) • DCMT-PF-SL (189) • DCMT-SM-SL (190)

Spare Parts

Designation		
SDNCN-13-SL	SR M4X0.7-L9.6 IP15	TORX PLUS IP15X45

T-LOCK CAMFIX

C#-SDNCN-13-SL-JHP
Screw Clamp Tools with CAMFIX Shanks and Channels for High-Pressure Coolant Carrying Positive 55° Rhombic Inserts



Designation	DCONMS	WF	LF	GAMF	Insert	CP ⁽¹⁾	CDI ⁽²⁾
C3 SDNCN-00045-13-SL-JHP	1.260	.020	1.772	0	DCMT 13T5-SL	2030	0
C4 SDNCN-00060-13-SL-JHP	1.575	.020	2.362	0	DCMT 13T5-SL	2030	1
C5 SDNCN-00060-13-SL-JHP	1.968	.020	2.362	0	DCMT 13T5-SL	2030	1

- For user guide, see pages 6-7, 76-82, 677
- ⁽¹⁾ Coolant pressure (PSI)
- ⁽²⁾ 1 - Hole for data chip, 0 - Without hole for data chip
- For inserts, see pages: DCMT-F3P-SL (185) • DCMT-M3M-SL (187) • DCMT-PF-SL (189) • DCMT-SM-SL (190)

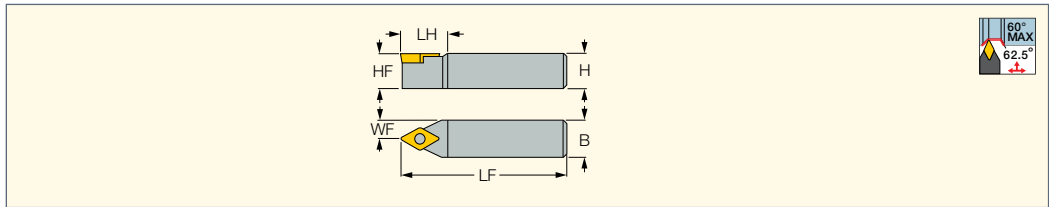
Spare Parts

Designation						
C3 SDNCN-00045-13-SL-JHP	CH-1.9D-JHP	WASHER 4.2X5.6X0.5	TORX PLUS IP15X45	TORX PLUS IP15X45	SR M4X4 DIN913 TL360	SR M4X0.7-L9.5 IP15
C4 SDNCN-00060-13-SL-JHP	CU-D-JHP		TORX PLUS IP15X45			SR M4X0.7-L9.6 IP15
C5 SDNCN-00060-13-SL-JHP	CU-D-JHP		TORX PLUS IP15X45			SR M4X0.7-L9.6 IP15

ISOTURN

SDPCN

Screw Lock Holders for 7°
Clearance 55° Diamond Inserts



Designation	H	HF	B	LF	LH	WF	GAMP	GAMF
SDPCN 08-3	.500	.500	.500	3.500	.980	.250	0	0
SDPCN 10-3	.625	.625	.625	4.500	.980	.310	0	0
SDPCN 12-3	.750	.750	.750	4.500	.980	.380	0	0
SDPCN 16-3	1.000	1.000	1.000	6.000	.980	.500	0	0

For inserts, see pages: DCGT-F1M-12P (189) • DCGT-F1M-20P (189) • DCMT/DCGT-PF (190) • DCMT/DCGT-SM (191) • DCGT-AS (213)
• DCGT-AF (213) • DCMT-14 (192) • DCMT/DCGT (191) • DCGW/DCMW-2 (CBN) (233) • DCMT (CBN) (232) • DCMT (PCD) (224)

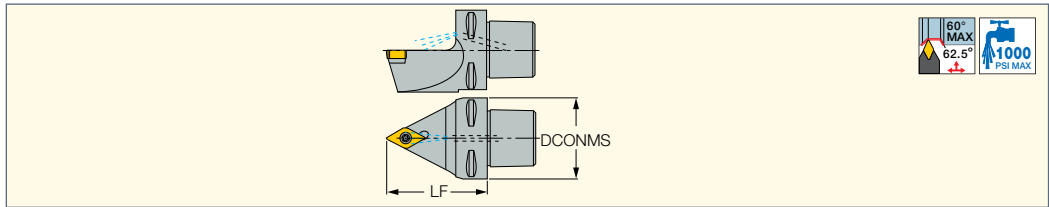
Spare Parts

Designation					
SDPCN 08-3	SR 16-236 P	T-15/5			
SDPCN 10-3	SR 16-236 P	T-15/5			
SDPCN 12-3	SR 16-236 P	T-15/5			
SDPCN 16-3	SR 16-236 P	T-15/5	TDC 3-1P	SR TC-3P	HW 4.0

ISOTURN CAMFIX

C#-SDNCN

Screw Lock Tools with
CAMFIX Exchangeable Shanks
Carrying 55° Rhombic Inserts
with 7° Clearance Angle



Designation	DCONMS	LF	Insert	CP ⁽¹⁾	CDI ⁽²⁾						
C4 SDNCN-00050-11	1.575	1.968	DC.. 11T3	1015	1	TDC 3-1P	SR TC-3P	HW 4.0	SR 16-236 P	T-15/5	EZ 104

⁽¹⁾ Coolant pressure (PSI)

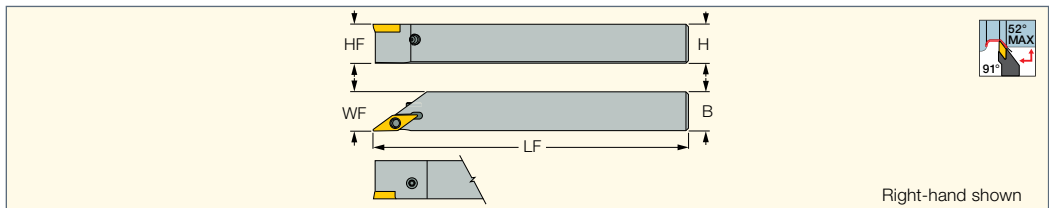
⁽²⁾ 1 - Hole for data chip, 0 - Without hole for data chip

For inserts, see pages: DCMT-CERMET (188) • DCMT-F3P (186) • DCMT-M3M (186) • DCMT/DCGT-PF (190) • DCMT/DCGT-SM (191) • DCGT-AS (213)
• DCGT-AF (213) • DCMT-14 (192) • DCMT/DCGT (191) • DCGW/DCMW-2 (CBN) (233) • DCMT (CBN) (232) • DCMT (PCD) (224)

ISOTURN

PVACR-S

Side Lever Lock Tools for 35°
Positive Rhombic Inserts intended
for Swiss Automatic Machines



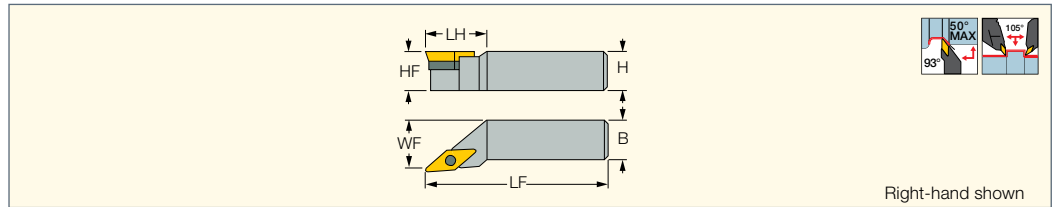
Designation	H	HF	B	LF	WF	GAMP	GAMF				
PVACR 06-2S	.375	.375	.375	5.905	.400	0	0	SL LV-2	SL PI-2 PIN	SR 10400611	HW 2.0/5
PVACR 08-2S	.500	.500	.500	5.905	.530	0	0	SL LV-2	SL PI-2 PIN	SR 10400611	HW 2.0/5
PVACR 10-2S	.625	.625	.625	5.905	.650	0	0	SL LV-2	SL PI-2 PIN	SR 10400611	HW 2.0/5
PVACR 12-2S	.750	.750	.750	5.905	.760	0	0	SL LV-2	SL PI-2 PIN	SR 10400611	HW 2.0/5

• The clamping screw may be transferred to the opposite side if needed

For inserts, see pages: VCGT-F1M-12P (194) • VCGT-F1M-20P (194) • VCMT-F3P (192) • VCMT-F3M (193) • VCMT-SM (195) • VCET-WF (195) • VCGT-AS (211)

SVJCR/L

93° Lead Angle Screw Lock
Tools Carrying 35° Diamond
Inserts with 7° Clearance Angle



Right-hand shown

Designation	H	HF	B	LF	LH	WF	GAMP	GAMF
SVJCR 10-3	.625	.625	.625	2.900	1.430	.750	0	0
SVJCR/L 12-3	.750	.750	.750	4.500	1.180	1.000	0	0
SVJCR/L 16-3	1.000	1.000	1.000	6.000	1.180	1.250	0	0

For inserts, see pages: VCMT-FPC-CERMET (193) • VCMT-F3P (192) • VCGW-2 (CBN) (235) • VCMT-F3M (193) • VCMT-M3M (193) • VCMT-SM (195) • VCGT-AS (211) • VCMT-14 (195) • VCMW (196) • VCMT (CBN) (224) • VCGT (PCD) (225) • VCGT-DW (PCD) (224)

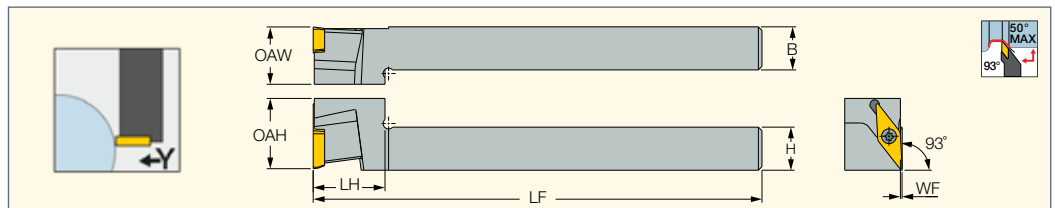
Spare Parts

Designation					
SVJCR 10-3	SR 16-236 P	T-15/5			
SVJCR/L 12-3	SR 16-236 P	T-15/5	TVC 3-1	SR TC-3	HW 2.5
SVJCR/L 16-3	SR 16-236 P	T-15/5	TVC 3-1	SR TC-3	HW 2.5

NEO^{AXIS}SWISS

Y-SVJCR

Y-Axis Screw Lock Integral
Tools Carrying 7° Clearance
35° Rhombic Inserts for
Swiss-Type Machines



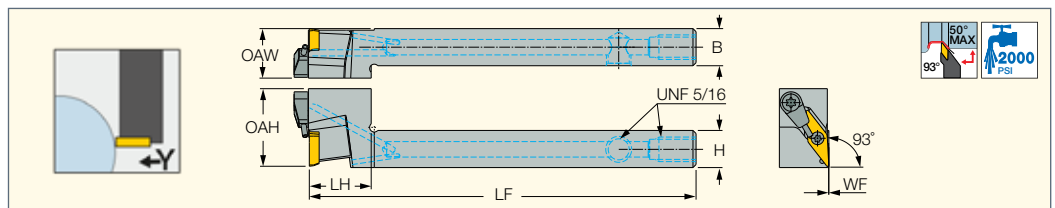
Designation	H	B	LF	LH	OAH	OAW	WF	Insert	
Y-SVJCR 08-2S	.500	.500	5.000	.827	.787	.630	0	VC.. 2	T-7/5
Y-SVJCR 1616K-11S	.630	.630	4.921	.827	.787	.630	0	VCMT 1103..	T-7/5

For inserts, see pages: VCET-WF (195) • VCGT-AS (211) • VCGT-F1M-12P (194) • VCGT-F1M-20P (194) • VCMT-F3M (193) • VCMT-F3P (192) • VCMT-SM (195)

NEO^{AXIS}SWISS

Y-SVJCR-JHP

Y-Axis Screw Lock JETCUT
Integral Tools Carrying 7°
Clearance 35° Rhombic Inserts
for Swiss-Type Machines

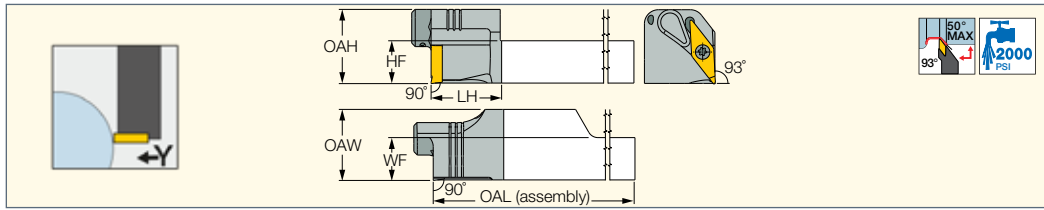


Designation	H	B	LF	LH	OAH	OAW	WF	Insert			
Y-SVJCR 08-2S-JHP	.500	.500	5.000	.827	1.004	.630	0	VC.. 2	T-7/5	HW 5/32*	SR 5/16UNF TL360
Y-SVJCR 1616K-11S-JHP	.630	.630	4.921	.827	1.004	.630	0	VCMT 1103..	T-7/5	HW 5/32*	SR 5/16UNF TL360

For inserts, see pages: VCET-WF (195) • VCGT-AS (211) • VCGT-F1M-12P (194) • VCGT-F1M-20P (194) • VCMT-F3M (193) • VCMT-F3P (192) • VCMT-SM (195)

NEOSWISS
INDEXABLE HEADS
ISOTURN

NQCH-Y-SVJCR-S-JHP
Y-Axis Screw Lock JETCUT
Modular Heads Carrying
7° Clearance 35° Rhombic
Inserts for Swiss-Type Machines

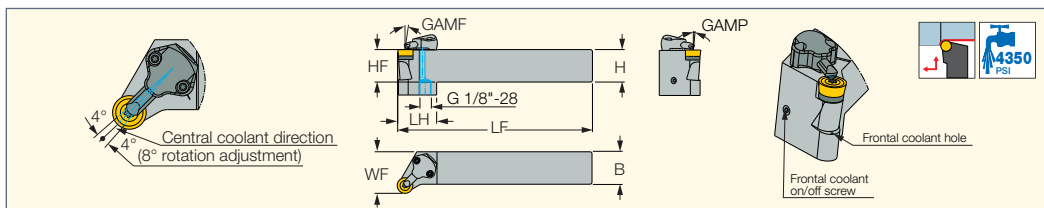


Designation	WF	HF	LH	OAL	OAW	Insert		
NQCH12-Y-SVJCR-11S-JHP	.478	.480	.787	4.724	.793	VC#1103#(22#)	SR 14-560	T-8/5
NQCH16-Y-SVJCR-11S-JHP	.636	.638	.787	4.724	.793	VC#1103#(22#)		

For inserts, see pages: VCET-WF (195) • VCGT-AS (211) • VCGT-F1M-12P (194) • VCGT-F1M-20P (194) • VCMT-F3M (193) • VCMT-F3P (192) • VCMT-SM (195)
For holders, see pages: NQCH-JHP (60)

ISOTURN JETCUT

SRGCR-12-JHP
Screw Lock Tools with
Channels for High-Pressure
Coolant Carrying Round Inserts
with 7° Clearance Angle



Designation	H	B	HF	LF	LH	WF	GAMP	GAMP	Insert
SRGCR 16-12-JHP	1.000	1.000	1.000	6.000	1.200	1.250	0	0	RCMT 1204

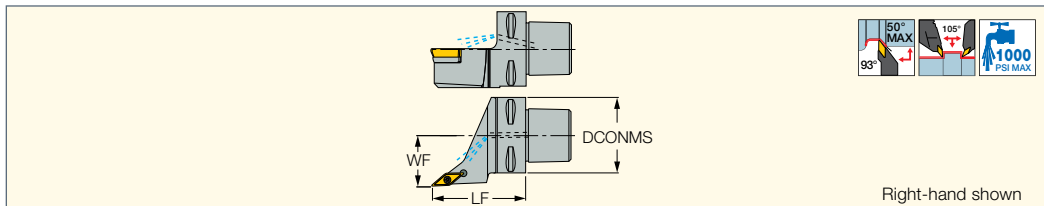
• For user guide, see pages 6-7, 76-82
For inserts, see pages: RCMT-14 (200)

Spare Parts

Designation									
SRGCR 16-12-JHP	TRC 4-0	SR TC-4	T-8/5	SR 16-212	T-20/5	CU-R-JHP	SR M4X4 DIN913 TL360	HW 2.0	HW 3.0

ISOTURN CAMFIX

C#-SVJCR/L
Screw Lock Tools with
CAMFIX Exchangeable Shanks
Carrying 35° Rhombic Inserts
with 7° Clearance Angle



Designation	DCONMS	WF	LF	Insert	CDI ⁽²⁾	CP ⁽¹⁾						
C4 SVJCR/L-27050-11	1.575	1.063	1.968	VC.. 1103	1	1015				SR 14-560/S M2.5X0.45	T-8/5	EZ 83
C4 SVJCR/L-27050-16	1.575	1.063	1.968	VC.. 1604	1	1015	TVC 3-1	SR TC-3	HW 2.5	SR 16-236 P	T-15/5	EZ 83
C5 SVJCR/L-35060-11	1.968	1.378	2.362	VC.. 1103	1	1015				SR 14-560/S M2.5X0.45	T-8/5	EZ 104
C5 SVJCR/L-35060-16	1.968	1.378	2.362	VC.. 1604	1	1015	TVC 3-1	SR TC-3	HW 2.5	SR 16-236 P	T-15/5	EZ 104
C6 SVJCR/L-45065-16	2.480	1.772	2.559	VC.. 1604	1	1015	TVC 3-1	SR TC-3	HW 2.5	SR 16-236 P	T-15/5	EZ 125

⁽¹⁾ Coolant pressure (PSI)

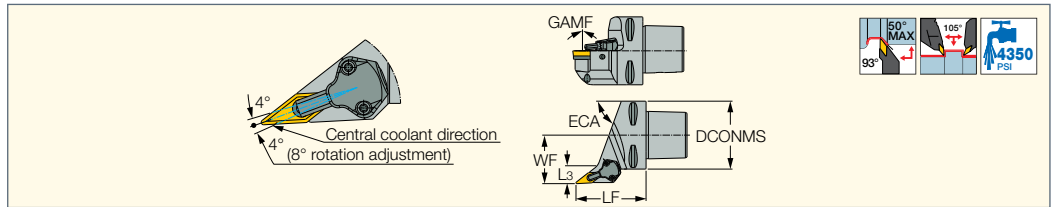
⁽²⁾ 1 - Hole for data chip, 0 - Without hole for data chip

For inserts, see pages: VCGT-F1M-12P (194) • VCGT-F1M-20P (194) • VCMT-FPC-CERMET (193) • VCMT-F3P (192) • VCGW-2 (CBN) (235) • VCMT-F3M (193)
• VCMT-M3M (193) • VCMT-SM (195) • VCET-WF (195) • VCGT-AS (211) • VCMT-14 (195) • VCMW (196) • VCMT (CBN) (224) • VCGT (PCD) (225)
• VCGT-DW (PCD) (224)

ISOTURN CAMFIX

C#-SVJCR/L-JHP

Screw Lock Tools with CAMFIX Exchangeable Shanks Carrying 35° Rhombic Inserts with 7° Clearance Angle



Designation	DCONMS	WF	LF	GAMF	ECA	L3	Insert	CP ⁽¹⁾	CDI ⁽²⁾
C3 SVJCR-22040-11-JHP	1.260	.866	1.575	0	55.0	-	VCMT 1103	4350	0
C4 SVJCR/L-27055-16-JHP	1.575	1.063	2.165	0	55.0	-	VCMT 1604	4350	1
C5 SVJCR/L-35060-16-JHP	1.968	1.378	2.362	0	55.0	-	VCMT 1604	4350	1
C6 SVJCR-45065-16-JHP	2.480	1.772	2.559	0	70.0	.661	VCMT 1604	4350	1

• For user guide, see pages 6-7, 76-82, 677

⁽¹⁾ Coolant pressure (PSI)

⁽²⁾ 1 - Hole for data chip, 0 - Without hole for data chip

For inserts, see pages: VCGT-F1M-12P (194) • VCGT-F1M-20P (194) • VCMT-FPC-CERMET (193) • VCMT-F3P (192) • VCGW-2 (CBN) (235) • VCMT-F3M (193)

• VCMT-M3M (193) • VCMT-SM (195) • VCET-WF (195) • VCGT-AS (211) • VCMT-14 (195) • VCMW (196) • VCMT (CBN) (224) • VCGT (PCD) (225)

• VCGT-DW (PCD) (224)

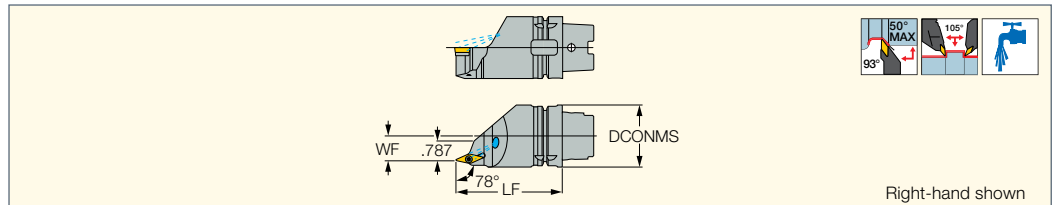
Spare Parts

Designation								
C3 SVJCR-22040-11-JHP				SR 14-560	CH-1.9D-JHP		T-8/5	
C4 SVJCR/L-27055-16-JHP	TVC 3-1	SR TC-3	T-15/5	SR 16-236 P	CU-V-JHP		T-8/5	HW 2.5
C5 SVJCR/L-35060-16-JHP	TVC 3-1	SR TC-3	T-15/5	SR 16-236 P	CU-V-JHP	OR 6.4X0.9N	T-8/5	HW 2.5
C6 SVJCR-45065-16-JHP	TVC 3-1	SR TC-3	T-15/5	SR 16-236 P	CU-V-JHP		T-8/5	HW 2.5

ISOTURN HSK

HSK A63WH-SVJCR/L

Tools with HSK Exchangeable Tapered Shanks Carrying Positive 35° Inserts for Mounting at a 15° on Turn-Mill Machines



Designation	DCONMS	LF	WF	Insert	CDI ⁽¹⁾						
HSK A63WH-SVJCR/L-J16	2.480	4.331	.984	VC.. 1604	0	TVC 3-1	SR TC-3	HW 2.5	SR 16-236 P	T-15/5	EZ 104

• Complies with ICTM standard (ISO 12164-3). • A cooling tube must be used with all coolant through HSK spindles (should be ordered separately).

• For shank dimensions, see page 686

⁽¹⁾ 1 - Hole for data chip, 0 - Without hole for data chip

For inserts, see pages: VCMT-FPC-CERMET (193) • VCMT-F3P (192) • VCGW-2 (CBN) (235) • VCMT-F3M (193) • VCMT-M3M (193) • VCMT-SM (195)

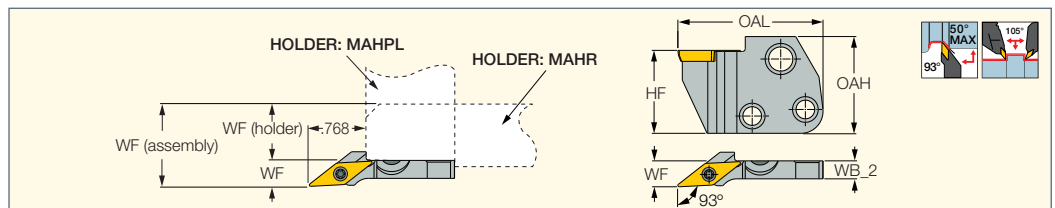
• VCGT-AS (211) • VCMT-14 (195) • VCMW (196) • VCMT (CBN) (224) • VCGT (PCD) (225) • VCGT-DW (PCD) (224)

ISOTURN

MODULARGRIP

SVJCR-PAD

93° Lead Angle Screw Lock Adapters Carrying 35° Diamond Inserts with 7° Clearance Angle



Designation	HF	OAH	OAL	WF	WB_2	Insert		
SVJCR-11-PAD	.945	1.102	1.654	.295	.205	VC.. 1103	SR 14-560	T-8/5

• WF(assembly) = WF(holder) + WF

For inserts, see pages: VCGT-F1M-12P (194) • VCGT-F1M-20P (194) • VCMT-F3P (192) • VCMT-F3M (193) • VCMT-SM (195) • VCET-WF (195) • VCGT-AS (211)

For holders, see pages: C#-MAHPD-JHP (680) • C#-MAHD-JHP (679) • MAHPR/L-JHP (289) • MAHR/L-JHP (288) • MAHR/L (288) • MAHPR/L (289)

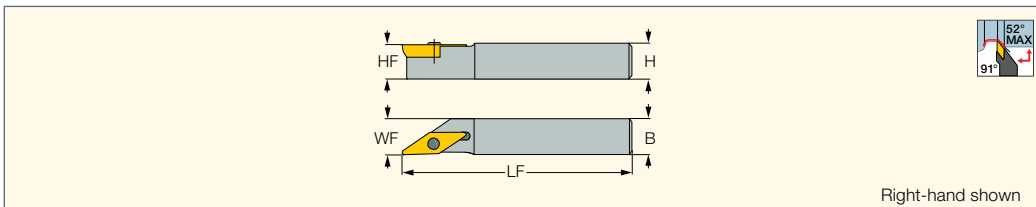
• C#-MAHD (679) • C#-MAHPD (680) • C#-MAHDR-45 (678) • C#-MAHDOR (678) • HSK A63WH-MAHUR/L (688) • HSK A63WH-MAHDR-45 (687)

• HSK A63WH-MAHDOR (687) • IM-MAHD (689) • IM-MAHPD (689) • HMSN-New Britain (529) • HMSDV (530) • DGHAL-DECO (Metric) (529) • HSTBS (529)

ISOTURN

SVACR/L

91° Lead Angle Screw Lock
Tools Carrying 35° Diamond
Inserts with 7° Clearance Angle



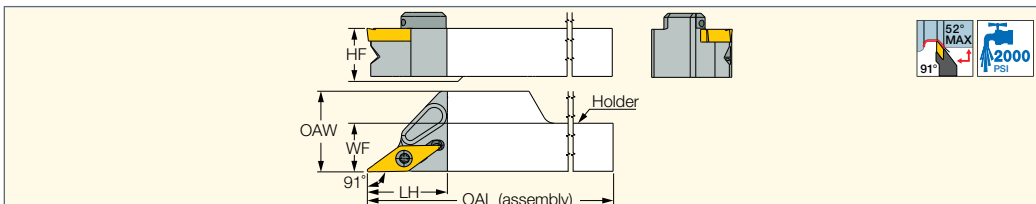
Designation	H	B	HF	LF	WF	Insert		
SVACR/L 1212K-11S	.472	.472	.472	4.921	.472	VC..11..	SR 14-560	T-8/5
SVACR 1616K-11S	.630	.630	.630	4.921	.630	VC..11..	SR 14-560	T-8/5
SVACR/L 1212K-13S	.472	.472	.472	4.921	.472	VC..13..	SR 14-513	T-8/5
SVACR/L 1616K-13S	.630	.630	.630	4.921	.630	VC..13..	SR 14-513	T-8/5
SVACR/L 2020K-13S	.787	.787	.787	4.921	.790	VC..13..	SR 14-513	T-8/5

For inserts, see pages: VCGT-F1M-12P (194) • VCGT-F1M-20P (194) • VCMT-F3P (192) • VCMT-F3M (193) • VCGT-MD/PF (194) • VCMT-SM (195) • VCET-WF (195) • VCGT-AS (211)

NEOSWISS
INDEXABLE HEADS
ISOTURN

NQCH-SVACR/L-S-JHP

Screw Lock JETCUT Modular
Heads Carrying 7° Clearance
35° Rhombic Inserts for
Swiss-Type Machines



Designation	WF	HF	LH	OAL	OAW	Insert		
NQCH12-SVACR/L-11S-JHP	.478	.472	.787	4.724	.793	VC#1103#(22#)	SR 14-560	T-8/5
NQCH16-SVACR/L-11S-JHP	.636	.630	.787	4.724	.793	VC#1103#(22#)	SR 14-560	T-8/5

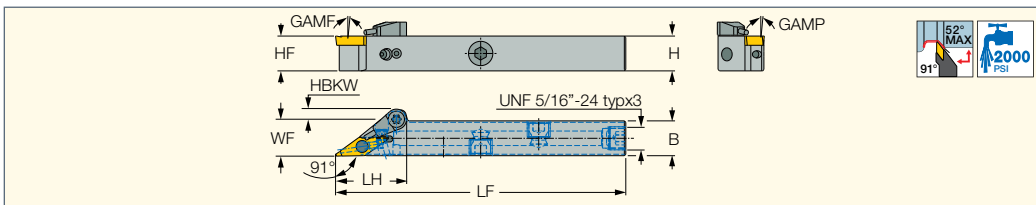
For inserts, see pages: VCET-WF (195) • VCGT-AS (211) • VCGT-F1M-12P (194) • VCGT-F1M-20P (194) • VCGT-MD/PF (194) • VCMT-F3M (193) • VCMT-F3P (192) • VCMT-SM (195)

For holders, see pages: NQCH-JHP (60)

ISOTURN JETCUT

PVACR/L-JHP

Tools with Channels for
High-Pressure Coolant Carrying
35° Positive Rhombic Inserts
for Swiss Automatic Machines



Designation	H	HF	B	LF	LH	WF	HBKW	GAMP	GAMF	Insert
PVACR/L 08-2S-JHP	.500	.500	.500	4.000	1.000	.510	.1200	0	0	VC..22
PVACR/L 10-2S-JHP	.625	.625	.625	4.750	1.000	.630	-	0	0	VC..22
PVACR 12-2S-JHP	.750	.750	.750	4.000	1.000	.760	-	0	0	VC..22

• For user guide see pages 6-7, 76-82

For inserts, see pages: VCGT-F1M-12P (194) • VCGT-F1M-20P (194) • VCMT-F3P (192) • VCMT-F3M (193) • VCMT-SM (195) • VCET-WF (195) • VCGT-AS (211)

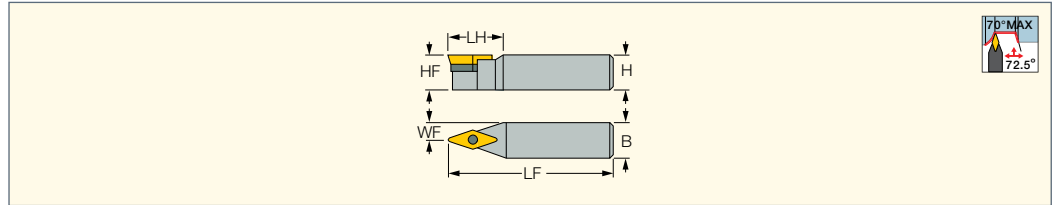
Spare Parts

Designation							
PVACR/L-JHP	SL LV-2	SL PI-2 PIN	SR 10400611	HW 2.0/5	SR 5/16UNF TL360	S-CU-JHP-A SET	

ISOTURN

SVVCN

72.5° Lead Angle Screw Lock Tools Carrying 35° Diamond Inserts with 7° Clearance Angle



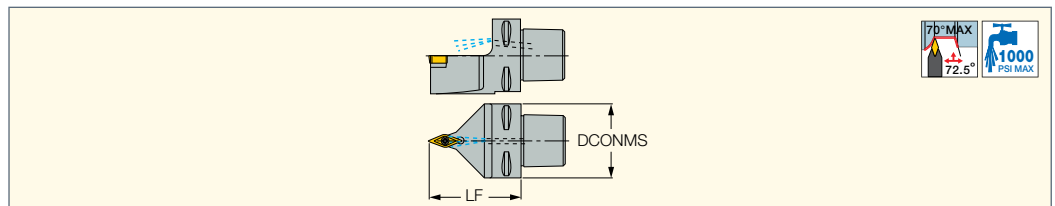
Designation	H	HF	B	LF	LH	WF	GAMP	GAMF					
SVVCN 12-3	.750	.750	.750	4.500	1.130	.380	0	0	SR 16-236 P	T-15/5	TVC 3-1	SR TC-3	HW 2.5
SVVCN 16-3	1.000	1.000	1.000	6.000	1.500	.500	0	0	SR 16-236 P	T-15/5	TVC 3-1	SR TC-3	HW 2.5

For inserts, see pages: VCMT-FPC-CERMET (193) • VCMT-F3P (192) • VCGW-2 (CBN) (235) • VCMT-F3M (193) • VCMT-M3M (193) • VCMT-SM (195) • VCGT-AS (211) • VCMT-14 (195) • VCMW (196) • VCMT (CBN) (224) • VCGT (PCD) (225) • VCGT-DW (PCD) (224)

ISOTURN CAMFIX

C#-SVVCN

Screw Lock Tools with CAMFIX Exchangeable Shanks Carrying 35° Rhombic Inserts with 7° Clearance Angle



Designation	DCONMS	LF	Insert	CDI ⁽¹⁾	CP ⁽²⁾						
C4 SVVCN-00050-16	1.575	1.575	VC.. 1604	1	1015	TVC 3-1	SR TC-3	HW 2.5	SR 16-236 P	T-15/5	EZ 83
C5 SVVCN-00060-16	1.968	1.968	VC.. 1604	1	1015	TVC 3-1	SR TC-3	HW 2.5	SR 16-236 P	T-15/5	EZ 125

⁽¹⁾ 1 - Hole for data chip, 0 - Without hole for data chip

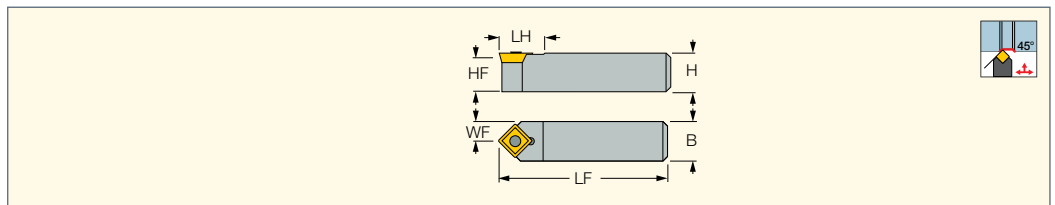
⁽²⁾ Coolant pressure (PSI)

For inserts, see pages: VCMT-FPC-CERMET (193) • VCMT-F3P (192) • VCGW-2 (CBN) (235) • VCMT-F3M (193) • VCMT-M3M (193) • VCMT-SM (195) • VCGT-AS (211) • VCMT-14 (195) • VCMW (196) • VCMT (CBN) (224) • VCGT (PCD) (225) • VCGT-DW (PCD) (224)

ISOTURN

SSDCN

Screw Lock Neutral Holders for 7° Clearance Square Inserts



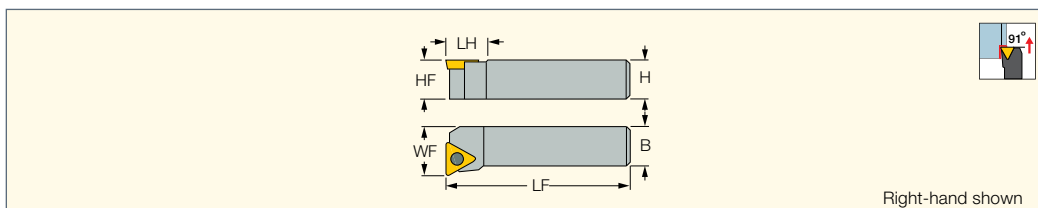
Designation	H	HF	B	LF	LH	WF	GAMP	GAMF	Insert		
SSDCN 08-3	.500	.500	.500	3.500	.690	.250	0	0	SC.. 3	SR 16-236	T-15/5
SSDCN 10-4	.625	.625	.625	4.500	.840	.310	0	0	SC.. 4	SR 16-212	T-20/5
SSDCN 12-4	.750	.750	.750	4.500	.840	.380	0	0	SC.. 4	SR 16-212	T-20/5

For inserts, see pages: SCMT-F3P (196) • SCMT-M3P (196) • SCMT-F3M (197) • SCMT-M3M (197) • SCMT-SM (197) • SCGT-AS (210) • SCMT-14 (198) • SCMT-19 (198)

ISOTURN

STFCR/L

Screw Lock Tools Carrying
Triangular Inserts with 7°
Clearance Angle for Face Turning



Right-hand shown

Designation	H	HF	B	LF	LH	WF	GAMP	GAMF	Insert
STFCR/L 08-2	.500	.500	.500	3.500	.500	.630	0	0	TC.. 2
STFCR 10-2	.625	.625	.625	4.500	.500	.750	0	0	TC.. 2
STFCR 12-3	.750	.750	.750	4.500	.720	1.000	0	0	TC.. 3
STFCR 16-3	1.000	1.000	1.000	6.000	.720	1.250	0	0	TC.. 3

For inserts, see pages: • TCMT-F3P (199) • TCMT-M3M (199) • TCMT-PF (199) • TCMT-SM (200) • TCGT-AS (211) • TCMT (CBN) (237) • TCMT (PCD) (225)

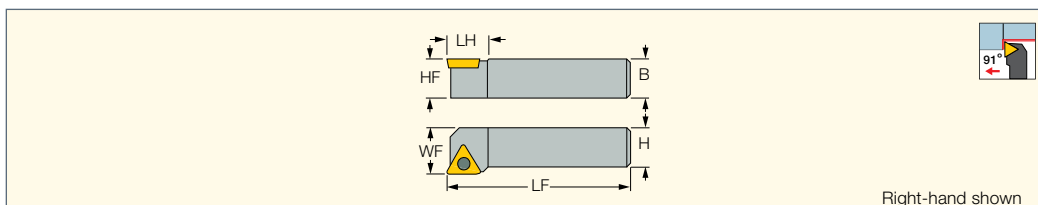
Spare Parts

Designation					
STFCR/L 08-2	SR 14-548	T-7/5			
STFCR 10-2	SR 14-548	T-7/5			
STFCR 12-3	SR 16-236	T-15/5			
STFCR 16-3	SR 16-236	T-15/5	TTC 3-2	SR TC-3	HW 2.5

ISOTURN

STGCR/L

91° Lead Angle Screw Lock
Tools Carrying Triangular Inserts
with 7° Clearance Angle



Right-hand shown

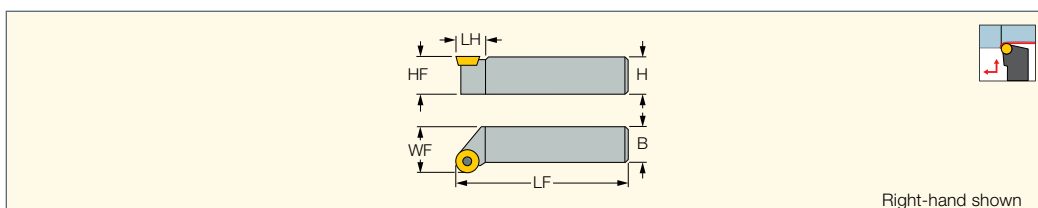
Designation	H	HF	B	LF	LH	WF	GAMP	GAMF	Insert		
STGCR 06-2	.375	.375	.375	2.500	.500	.500	0	0	TC.. 2	SR 14-548	T-7/5
STGCR/L 08-2	.500	.500	.500	3.500	.500	.630	0	0	TC.. 2	SR 14-548	T-7/5
STGCR 10-2	.625	.625	.625	4.500	.500	.750	0	0	TC.. 2	SR 14-548	T-7/5
STGCR/L 12-3	.750	.750	.750	4.500	.720	1.000	0	0	TC.. 3	SR 16-236	T-15/5

For inserts, see pages: • TCMT-F3P (199) • TCMT-M3M (199) • TCMT-PF (199) • TCMT-SM (200) • TCGT-AS (211) • TCMT (CBN) (237) • TCMT (PCD) (225)

ISOTURN

SRGCR/L

Screw Lock Tools Carrying
Round Inserts with 7°
Clearance Angle



Right-hand shown

Designation	H	HF	B	LF	LH	WF	GAMP	GAMF	Insert
SRGCR/L 08-08	.500	.500	.500	3.500	.440	.630	0	0	RC.. 08
SRGCR/L 16-10	1.000	1.000	1.000	6.000	.750	1.250	0	0	RC.. 10
SRGCR 16-12	1.000	1.000	1.000	6.000	.750	1.250	0	0	RC.. 12

For inserts, see pages: RCGT-AS (213) • RCMT-14 (200) • RCMT-SR (200)

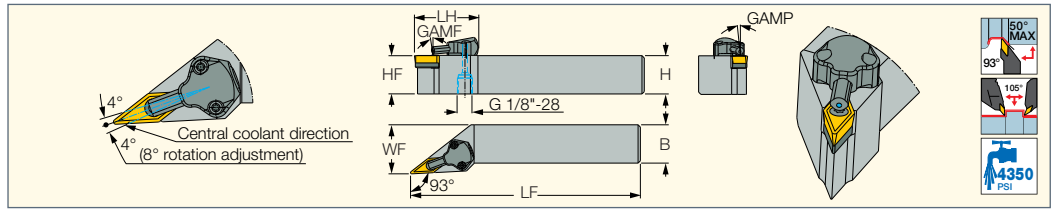
Spare Parts

Designation					
SRGCR/L 08-08	SR 14-513	T-8/5			
SRGCR/L 16-10	SR 16-236	T-15/5	TRC 3-0	SR TC-3	HW 2.5
SRGCR 16-12	SR 16-212	T-20/5	TRC 4-0	SR TC-4	HW 3.0

ISOTURN JETCUT

SVJCR/L-3-JHP

Screw Lock Toolholders for 35° Rhombic Inserts with 7° Clearance Angle and Channels for High Pressure Coolant



Designation	H	B	HF	LF	LH	WF	GAMP	GAMF	Insert
SVJCR/L 16-3-JHP	1.000	1.000	1.000	6.000	1.650	1.250	0	0	VC..33

• For user guide, see pages 6-7, 76-82

For inserts, see pages: VCMT-FPC-CERMET (193) • VCMT-F3P (192) • VCGW-2 (CBN) (235) • VCMT-F3M (193) • VCMT-M3M (193) • VCMT-SM (195) • VCGT-AS (211) • VCMT-14 (195) • VCMW (196) • VCMT (CBN) (224) • VCGT (PCD) (225) • VCGT-DW (PCD) (224)

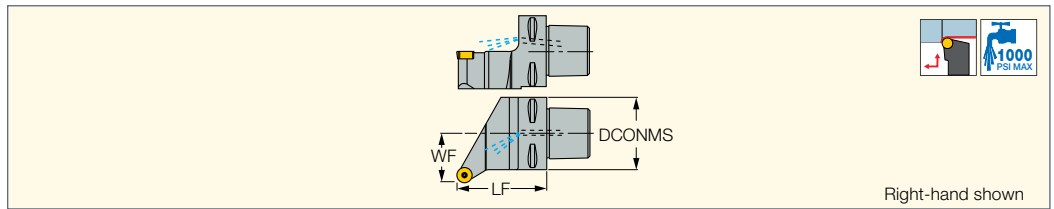
Spare Parts

Designation							
SVJCR/L 16-3-JHP	TVC 3-1	SR TC-3	T-8/5	HW 2.5	CU-V-JHP	SR 16-236 P	T-15/5

ISOTURN CAMFIX

C#-SRGCR/L

Screw Lock Tools with CAMFIX Exchangeable Shanks Carrying Round Inserts with 7° Clearance Angle



Designation	DCONMS	WF	LF	Insert	CP ⁽¹⁾	CDI ⁽²⁾						
C5 SRGCR-35060-12	1.968	1.378	2.362	RCMT 1204MO	1015	1	TRC 4-0	SR TC-4	HW 3.0	SR 16-212	T-20/5	EZ 104

⁽¹⁾ Coolant pressure (PSI)

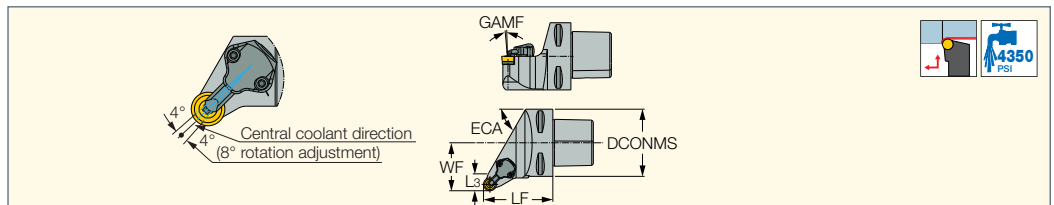
⁽²⁾ 1 - Hole for data chip, 0 - Without hole for data chip

For inserts, see pages: RCMT-14 (200)

ISOTURN CAMFIX

C#-SRGCR-12-JHP

Screw Lock Tools with CAMFIX Exchangeable Shanks Carrying Round Inserts with 7° Clearance Angle



Designation	DCONMS	WF	LF	ECA	L3	Insert	CDI ⁽¹⁾	CP ⁽²⁾							
C6 SRGCR-45065-12-JHP	2.480	1.772	2.559	60.0	.630	RCMT 1204MO	1	4350	TRC 4-0	SR TC-4	T-20/5	SR 16-212	HW 3.0	CU-R-JHP	T-8/5

• For user guide, see pages 6-7, 76-82, 677

⁽¹⁾ 1 - Hole for data chip, 0 - Without hole for data chip

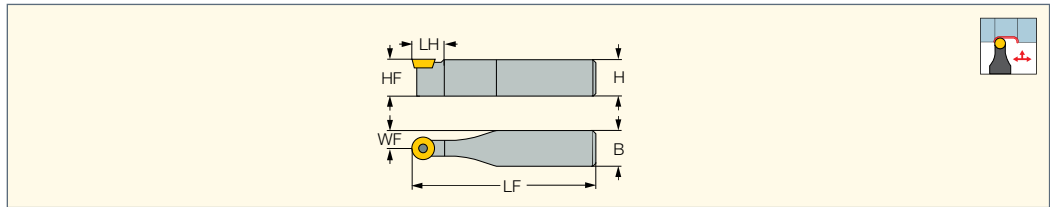
⁽²⁾ Coolant pressure (PSI)

For inserts, see pages: RCMT-14 (200)

ISOTURN

SRNCN

Screw Lock Neutral Holders
for 7° Clearance Angle
Round Inserts



Designation	H	HF	B	LF	LH	WF	GAMP	GAMF	Insert
SRNCN 10-08	.625	.625	.625	4.500	.620	.310	0	0	RC.. 08
SRNCN 12-10	.750	.750	.750	4.500	.790	.370	0	0	RC.. 10
SRNCN 16-12	1.000	1.000	1.000	6.000	.980	.500	0	0	RC.. 12
SRNCN 16-16	1.000	1.000	1.000	6.000	1.012	.500	0	0	RC.. 16
SRNCN 20-20	1.250	1.250	1.250	6.000	2.000	.630	0	0	RC.. 20

For inserts, see pages: RCGT-AS (213) • RCMT-14 (200) • RCMT-SR (200)

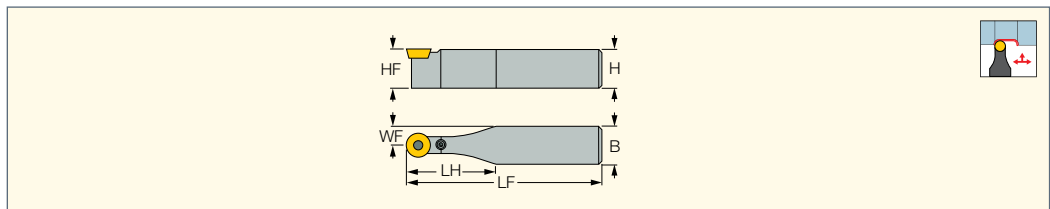
Spare Parts

Designation							
SRNCN 10-08	SR 14-513	T-8/5					
SRNCN 12-10	SR 16-236	T-15/5					
SRNCN 16-12	SR 16-212	T-20/5			TRC 4-0	SR TC-4	HW 3.0
SRNCN 16-16	SR 16-212	T-20/5			TRC 5-0	SR TC-4	HW 3.0
SRNCN 20-20	SR 14-519		SW6-T-SH	BLD T20/S7	TRC 6-0	SR TC-6	HW 4.0

ISOTURN

PRDCN

Lever Lock Tools Carrying
RCMX Round Inserts



Designation	H	HF	B	OAL	LH	WF	GAMP	GAMF	Insert
PRDCN 24-25	1.500	1.500	1.500	7.000	3.070	.750	0	0	RCMX 2507

For inserts, see pages: RCMX-NR (201)

Spare Parts

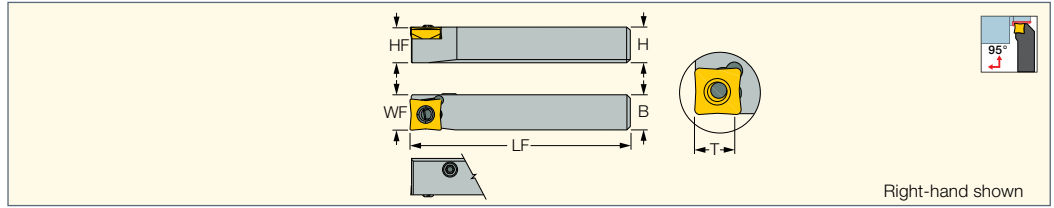
Designation					
PRDCN	TRC 25	SP 66	LR 25C	SR 10402289	HW 4.0



ISOTURN

PQLCR-S

Side Lever Lock Tools
Carrying the 80° Positive
4-Cornered Inserts for Swiss
Automatic Machines



Designation	H	HF	B	OAL	LH	T	WF	GAMP	GAMF
PQLCR 08-3S	.500	.500	.500	.590	.790	.335	.500	0	0
PQLCR 10-3S	.625	.500	.625	.590	.790	.335	.500	0	0

For inserts, see pages: QCMT-PF (201) • QCMT-SM (202)

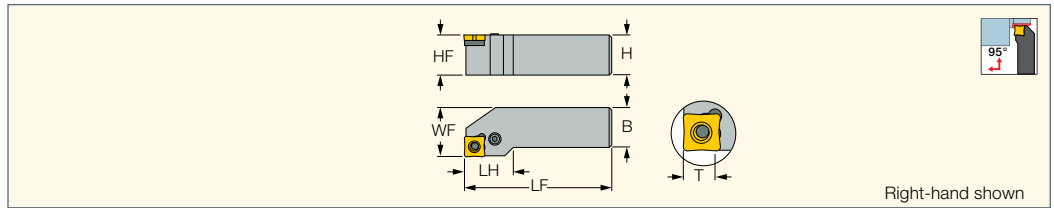
Spare Parts

Designation				
PQLCR-S	SL LV-3	SL PI-3	SR 10400150	HW 2.5/5

ISOTURN

PQLCR/L

Lever Lock Tools Carrying 80°
Positive 4-Cornered Inserts



Designation	H	HF	B	LF	LH	WF	T	GAMP	GAMF
PQLCL 10-3	.625	.625	.625	4.000	1.000	.880	.335	0	0
PQLCR 16-3	1.000	1.000	1.000	6.000	1.000	1.250	.335	0	0

For inserts, see pages: QCMT-PF (201) • QCMT-SM (202)

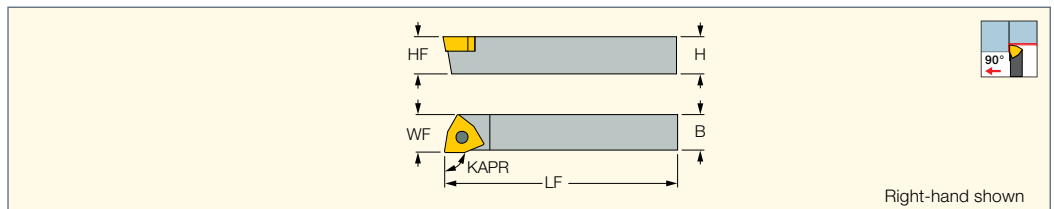
Spare Parts

Designation						
PQLCR/L	TXC 322	SP 3	PN 3-4	LR 3	SR 117-2014	HW 2.5/5

ISOTURN

SWAPR/L

90° Lead Angle Screw Lock
Tools Carrying Trigon Inserts for
Swiss Automatic Machines



M E T R I C									
Designation	H	HF	B	LF	WF	KAPR ⁽¹⁾	Insert		
SWAPR/L 0808-04	8.0	8.0	8.0	140.00	8.10	90.0	WPEB/X 04..	T-8/5	SR M3.0R/L
SWAPR 1010-04	10.0	10.0	10.0	150.00	10.10	90.0	WPEB/X 04..	T-8/5	SR M3.0R
SWAPR/L 1010-05	10.0	10.0	10.0	150.00	10.10	90.0	WPEB/X 05..	T-8/5	SR M3.5R/L
SWAPL 1212-05	12.0	12.0	12.0	150.00	12.10	90.0	WPEB/X 05..	T-8/5	SR M3.5R/L
SWAPR/L 1212-06	12.0	12.0	12.0	150.00	12.10	90.0	WPEB/X 06..	T-8/5	SR M3.5R/L
SWAPR 1414-06	14.0	14.0	14.0	150.00	14.10	90.0	WPEB/X 06..	T-8/5	SR M3.5R/L
SWAPR/L 1616-06	16.0	16.0	16.0	150.00	16.10	90.0	WPEB/X 06..	T-8/5	SR M3.5R/L

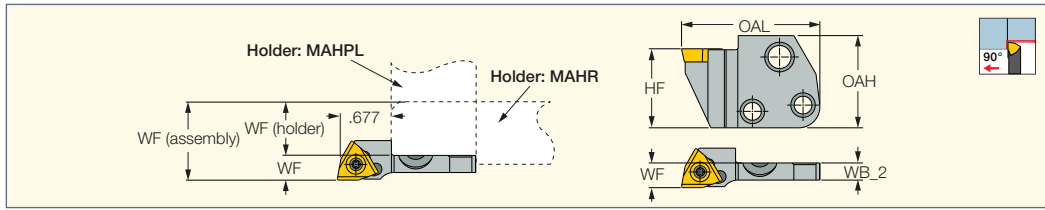
• For R.H. tool use -R screw, for L.H. tool use -L screw.

⁽¹⁾ Tool cutting edge angle

For inserts, see pages: WPEX (207)

ISOTURN
MODULAR GRIP

SWAPR-PAD
90° Lead Angle Screw Lock
Adapters Carrying Trigon Inserts
for Swiss Automatic Machines



Designation	HF	OAH	OAL	WF	WB_2	Insert		
SWAPR-06-PAD	.945	1.102	1.654	.295	.205	WPEX/B 0604	SR M3.5R	T-8/5

• WF(assembly) = WF(holder) + WF

For inserts, see pages: WPEX (207)

For holders, see pages: C#-MAHD-JHP (679) • C#-MAHPD-JHP (680) • MAHPR/L-JHP (289) • MAHR/L-JHP (288) • MAHR/L (288) • MAHPR/L (289)

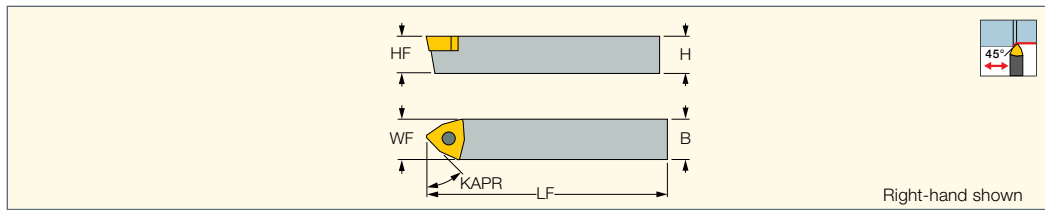
• C#-MAHD (679) • C#-MAHPD (680) • C#-MAHDR-45 (678) • C#-MAHDOR (678) • HSK A63WH-MAHUR/L (688) • HSK A63WH-MAHDR-45 (687)

• HSK A63WH-MAHDOR (687) • IM-MAHD (689) • IM-MAHPD (689) • HMSN-New Britain (529) • HMSDV (530) • DGHAL-DECO (Metric) (529)

• HSTBS (529)

ISOTURN

SWDPR/L
45° Lead Angle Screw Lock
Tools Carrying Trigon Inserts for
Swiss Automatic Machines



M E T R I C									
Designation	H	HF	B	LF	WF	KAPR ⁽¹⁾	Insert		
SWDPR 1010-04	10.0	10.0	10.0	150.00	10.10	45.0	WPEB/X 04..	T-8/5	SR M3.0R
SWDPR/L 1212-05	12.0	12.0	12.0	150.00	12.10	45.0	WPEB/X 05..	T-8/5	SR M3.5R/L
SWDPR 1616-06	16.0	16.0	16.0	150.00	16.10	45.0	WPEB/X 06..	T-8/5	SR M3.5R

• For R.H. tool use -R screw, for L.H. tool use -L screw

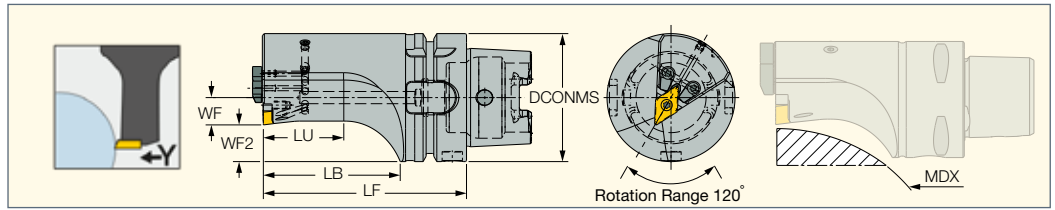
⁽¹⁾ Tool cutting edge angle

For inserts, see pages: WPEX (207)



HSK A63WH-SDJCN-13-Y

Y-Axis Turning Tools Carrying
55° Diamond Inserts with
7° Clearance Angle



Designation	DCONMS	LU	LB	LF	WF	WF2	MDX ⁽¹⁾	MIID ⁽²⁾	CDI ⁽³⁾
HSK A63WH-SDJCN-13SL-100Y	2.480	1.5591	2.654	3.937	.529	.71	8.465	DCMT 13T504-F3P-SL	0
HSK A63WH-SDJCN-13SL-125Y	2.480	2.5433	3.638	4.921	.529	.71	15.354	DCMT 13T504-F3P-SL	0

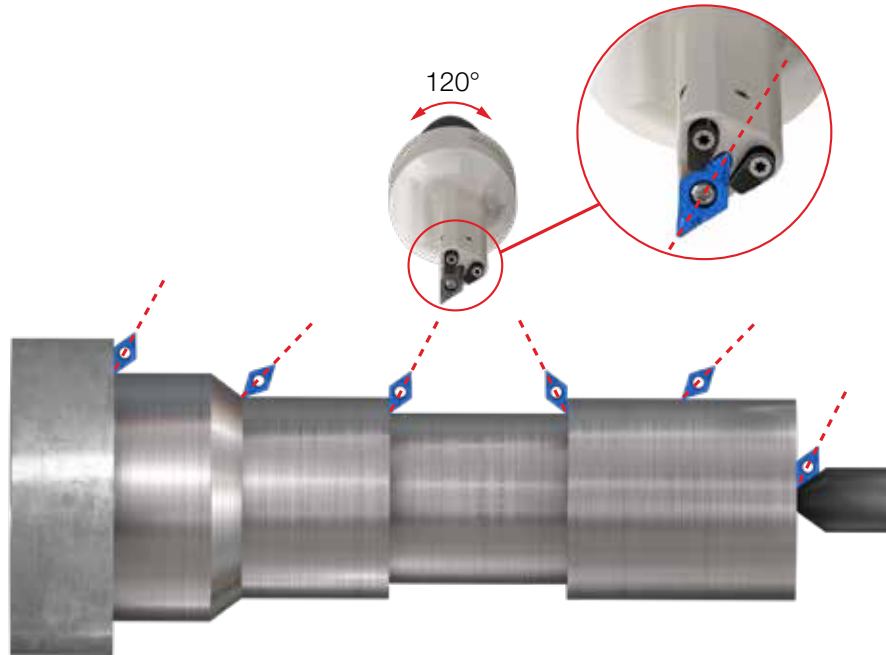
• A cooling tube must be used with all coolant through HSK spindles (should be ordered separately). • For shank dimensions, see pages 6-7, 686

⁽¹⁾ Machinable diameter maximum






⁽²⁾ Master insert identification

⁽³⁾ 1 - Hole for data chip, 0 - Without hole for data chip

For inserts, see pages: DCMT-F3P-SL (185) • DCMT-M3M-SL (187) • DCMT-PF-SL (189) • DCMT-SM-SL (190)



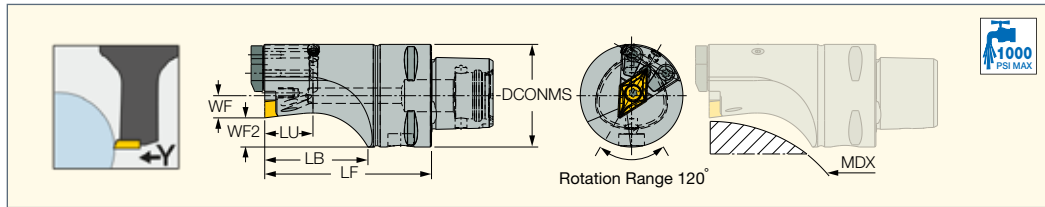
Spare Parts

Designation					
HSK A63WH-SDJCN-13-Y	CH-1.9D-JHP-A SET	BLD IP15/S7	SW6-T-SH	SR M4X4 DIN913 TL360	SR M4X0.7-L9.6 IP15



CAMFIX ISOYTURN

C#-SDJCN-13-Y
Y-Axis Turning Tools Carrying
55° Diamond Inserts with
7° Clearance Angle



Designation	DCONMS	LU	LB	LF	WF	WF2	MDX ⁽¹⁾	MIID ⁽²⁾	CDI ⁽³⁾
C4-SDJCN-13-SL-H65-Y	1.575	.7401	1.583	2.559	.340	.45	4.724	DCMT 13T504-F3P-SL	0
C4-SDJCN-13-SL-H80-Y	1.575	1.1929	2.142	3.150	.340	.45	8.268	DCMT 13T504-F3P-SL	0
C5-SDJCN-13-SL-H80-Y	1.968	1.1102	2.114	3.150	.424	.56	7.087	DCMT 13T504-F3P-SL	0
C5-SDJCN-13-SL-H100-Y	1.968	1.8976	2.902	3.937	.424	.56	12.598	DCMT 13T504-F3P-SL	0
C6-SDJCN-13-SL-H100-Y	2.480	1.8425	2.906	3.937	.529	.71	10.236	DCMT 13T504-F3P-SL	0
C6-SDJCN-13-SL-H125-Y	2.480	2.8071	3.870	4.921	.529	.71	16.535	DCMT 13T504-F3P-SL	0

• For user guide, see pages 6-7, 677

⁽¹⁾ Machinable diameter maximum

⁽²⁾ Master insert identification

⁽³⁾ 1 - Hole for data chip, 0 - Without hole for data chip

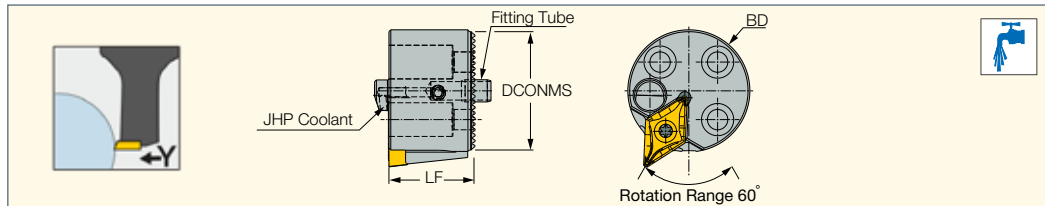
For inserts, see pages: DCMT-F3P-SL (185) • DCMT-M3M-SL (187) • DCMT-PF-SL (189) • DCMT-SM-SL (190)

Spare Parts

Designation					
C#-SDJCN-13-Y	CH-1.9D-JHP-A SET	BLD IP15/S7	SW6-T-SH	SR M4X4 DIN913 TL360	SR M4X0.7-L9.6 IP15

ISOYTURN

AVC-SDJCN-Y
Y-Axis Interchangeable Heads
Carrying 55° Rhombic Inserts



Designation	DCONMS	BD	LF	MIID ⁽¹⁾	CSP ⁽²⁾
AVC-D25-SDJCN-13-SL-Y	.984	1.0236	.787	DCMT 13T504-F3P-SL	1
AVC-D32-SDJCN-13-SL-Y	1.260	1.2992	.906	DCMT 13T504-F3P-SL	1
AVC-D40-SDJCN-13-SL-Y	1.575	1.6142	.984	DCMT 13T504-F3P-SL	1

⁽¹⁾ Master insert identification

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

For inserts, see pages: DCMT-F3P-SL (185) • DCMT-M3M-SL (187) • DCMT-PF-SL (189) • DCMT-SM-SL (190)

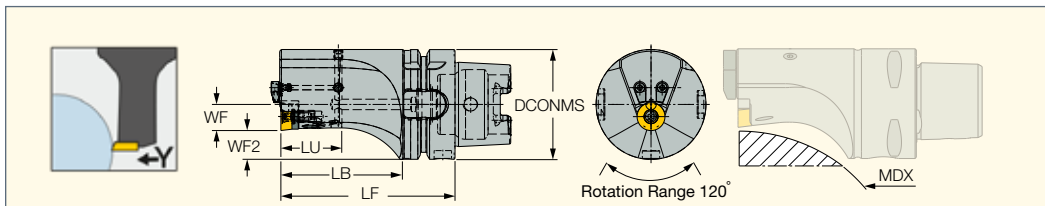
For holders, see pages: C#-SH-E-JHP (685) • C#-SH-JHP (685)

Spare Parts

Designation					
AVC-SDJCN-Y	CH-1.9D-JHP-A SET	SR M5X5 DIN913 TL360	BLD IP15/S7	SW6-T-SH	SR M4X0.7-L9.6 IP15

HSK ISOYTURN

HSK A63WH-RCMT-Y
Y-Axis Turning Tools
Carrying Round Inserts
with 7° Clearance Angle



Designation	DCONMS	LU	LB	LF	WF	WF2	MDX ⁽¹⁾	Insert	CDI ⁽²⁾
HSK A63WH-SRDCN-16-100Y	2.480	1.3740	2.748	3.937	.591	.65	9.449	RCMT 1606MO-14	0
HSK A63WH-SRDCN-16-125Y	2.480	2.3622	3.677	4.921	.591	.65	14.961	RCMT 1606MO-14	0

• A cooling tube must be used with all coolant through HSK spindles (should be ordered separately). • For shank dimensions, see pages 6-7, 686

⁽¹⁾ Machinable diameter maximum

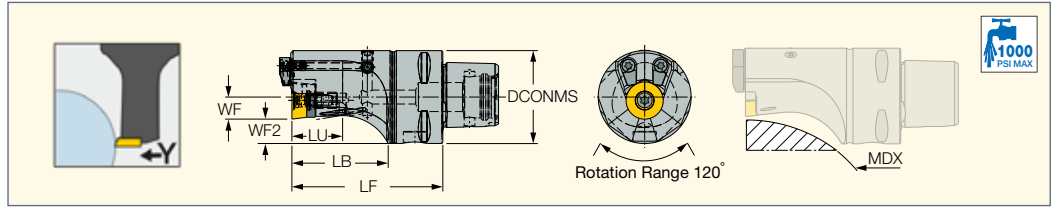
⁽²⁾ 1 - Hole for data chip, 0 - Without hole for data chip

For inserts, see pages: RCMT-14 (200) • RCMT-SR (200)

Spare Parts

Designation							
HSK A63WH-RCMT-Y	TRC 5-0	SR TC-4	CH-1.9D-JHP-A SET	SR 16-212	HW 3.0	BLD T20/S7	SW6-T-SH

C#-RCMT-16-Y
Y-Axis Turning Tools
Carrying Round Inserts
with 7° Clearance Angle



Designation	DCONMS	LU	LB	LF	WF	WF2	MDX ⁽¹⁾	Insert	CDI ⁽²⁾
C4-SRDCN-16-H65-Y	1.575	.8622	1.634	2.559	.374	.41	5.118	RCMT 1606M0-14	0
C4-SRDCN-16-H80-Y	1.575	1.4488	2.232	3.150	.374	.41	8.268	RCMT 1606M0-14	0
C5-SRDCN-16-H80-Y	1.968	1.0630	2.213	3.150	.472	.51	7.087	RCMT 1606M0-14	0
C5-SRDCN-16-H100-Y	1.968	1.7480	3.000	3.937	.472	.51	13.780	RCMT 1606M0-14	0
C6-SRDCN-16-H100-Y	2.480	1.5945	2.913	3.937	.591	.65	10.236	RCMT 1606M0-14	0
C6-SRDCN-16-H125-Y	2.480	2.5787	3.894	4.921	.591	.65	17.717	RCMT 1606M0-14	0

• For user guide, see pages 6-7, 677

⁽¹⁾ Machinable diameter maximum

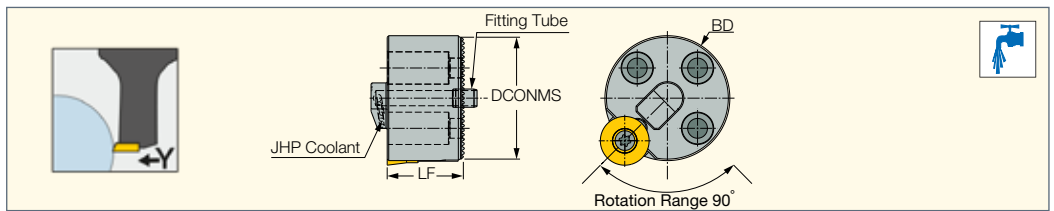
⁽²⁾ 1 - Hole for data chip, 0 - Without hole for data chip

For inserts, see pages: RCMT-14 (200) • RCMT-SR (200)

Spare Parts

Designation							
C#-RCMT-16-Y	TRC 5-0	SR TC-4	CH-1.9D-JHP-A SET	SR 16-212	HW 3.0	BLD T20/S7	SW6-T-SH

AVC-SRDCN-Y
Y-Axis Interchangeable Heads
Carrying Round Inserts



Designation	DCONMS	BD	LF	MIID ⁽¹⁾	CSP ⁽²⁾
AVC-D16-SRDCN-08-Y	.630	.6693	.472	RCMT 0803M0-14	1
AVC-D20-SRDCN-10-Y	.787	.8268	.787	RCMT 10T3M0-14	1
AVC-D25-SRDCN-12-Y	.984	1.0236	.787	RCMT 1204M0-14	1
AVC-D32-SRDCN-16-Y	1.260	1.2992	.906	RCMT 1606M0-14	1
AVC-D40-SRDCN-16-Y	1.575	1.6142	.984	RCMT 1606M0-14	1

⁽¹⁾ Master insert identification

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

For inserts, see pages: RCMT-14 (200)

For holders, see pages: C#-SH-E-JHP (685) • C#-SH-JHP (685)

Spare Parts

Designation							
AVC-D16-SRDCN-08-Y	SR 14-513	T-8/5					
AVC-D20-SRDCN-10-Y	SR 16-236	T-15/5	HW 2.5	SR TC-3	TRC 3-0		
AVC-D25-SRDCN-12-Y	SR 16-212	T-20/5	HW 3.0	SR TC-4	TRC 4-0		
AVC-D32-SRDCN-16-Y	SR 16-212		HW 3.0	SR TC-4	TRC 5-0	SW6-T-SH	BLD T20/S7
AVC-D40-SRDCN-16-Y	SR 16-212		HW 3.0	SR TC-4	TRC 5-0	SW6-T-SH	BLD T20/S7



Jet High-Pressure Tools

High-Pressure Coolant

Important Features

- Up to 200% increased cutting speed when machining titanium and heat resistant alloys.
- Effective chip control on problematic materials.
- Up to 100% increased tool life when machining titanium, heat resistant alloys and alloy steel.

JHP tools are essential and important for the aviation, aerospace and medical industries.

The coolant channels of the JHP tools feature outlets very close to the cutting edges, thus gaining the following advantages:

- Shorter machining time – cutting speed may be increased by up to 200% when machining titanium and heat resistant alloys.
- Longer tool life – increased tool life by up to 100% not only on titanium and heat resistant alloys, but also on stainless and alloy steels.
- Improved chip control – small chips can be obtained even on the most ductile and problematic materials
- Effective cooling down of the cutting edge, reducing sensitivity to heat fluctuations.
- Safer and more stable process.

JHP tools provide advantageous performance, also when conventional pressure is applied.

Pressure vs. Flow

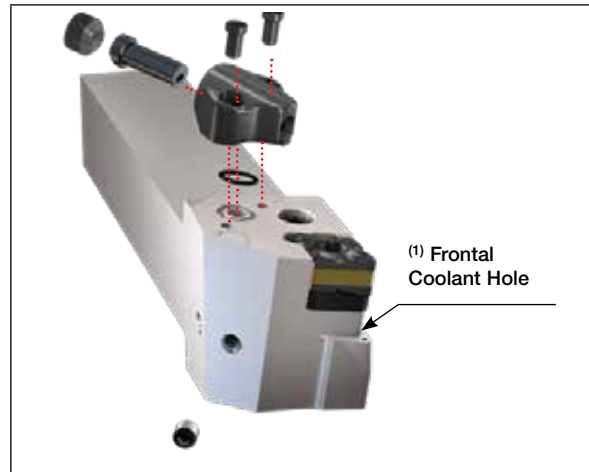
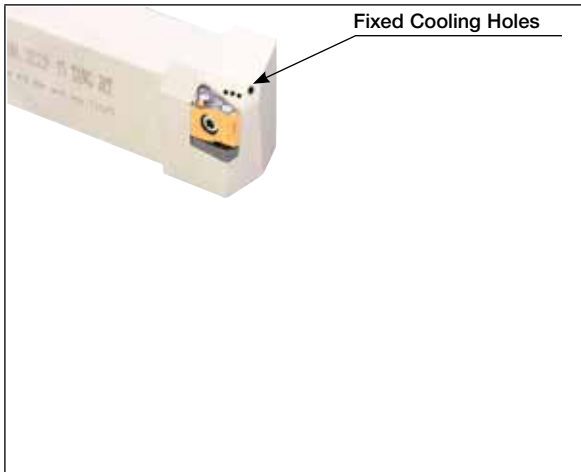
- Each JHP tool is designed to work at a certain flow rate, depending on the pressure. The flow rates are listed in the catalog pages for each tool. The user should verify that the pump can supply the required flow in order to achieve the optimal results. The pump data sheet will usually list the maximum flow rate for each pressure range.

Chips & Pressure

- The coolant flow will start to break the chips at a certain pressure, depending on the specific tool and the workpiece material. If the chips are not breaking, the pressure should be increased until chip control is achieved. As the pressure is increased, the chips become smaller and smaller. It is possible to control the size of the chips by modifying the pressure.



There are 4 various telescopic tubes intended for various insert geometries (see attached table). Each tube possesses a different profile optimized for the specific geometry of the insert.



The flow rate for each tube is listed in the table below.

Flow Rate for Various JHP Nozzles

Insert	Channel Shape Inside the Nozzle Tube	Nozzle Tube	Flow Rate (gallon/min)			
			1000 PSI	1450 PSI	2000 PSI	4350 PSI
		NZ-CW-JHP	4.5	5.3	6.35	9.25
		NZ-D-JHP	4.2	5	5.8	8.45
		NZ-V-JHP	2.9	3.4	3.95	5.8
		NZ-R-JHP	3.7	4.2	5	7.65
		NZ-S-JHP	4.75	5.55	6.6	9.8
		Holes	3.95	4.75	5.55	8.45
Frontal Coolant Hole ⁽¹⁾		Hole	.47-.68	.55-.90	.66-.95	.98-1.27

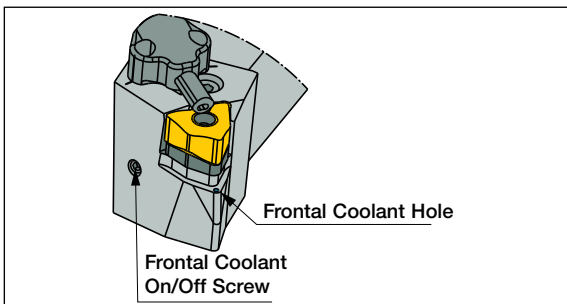
The tools with LNMX 1506... inserts feature fixed cooling channels.

For most of the tools that have a square shank, a frontal coolant hole has been added underneath the seat of the insert to enable coolant flow directed to the flank area of the insert. The frontal coolant jet increases the amount of coolant to the cutting zone. By closing or opening a screw, it acts as a valve that monitors the rate of coolant flow.



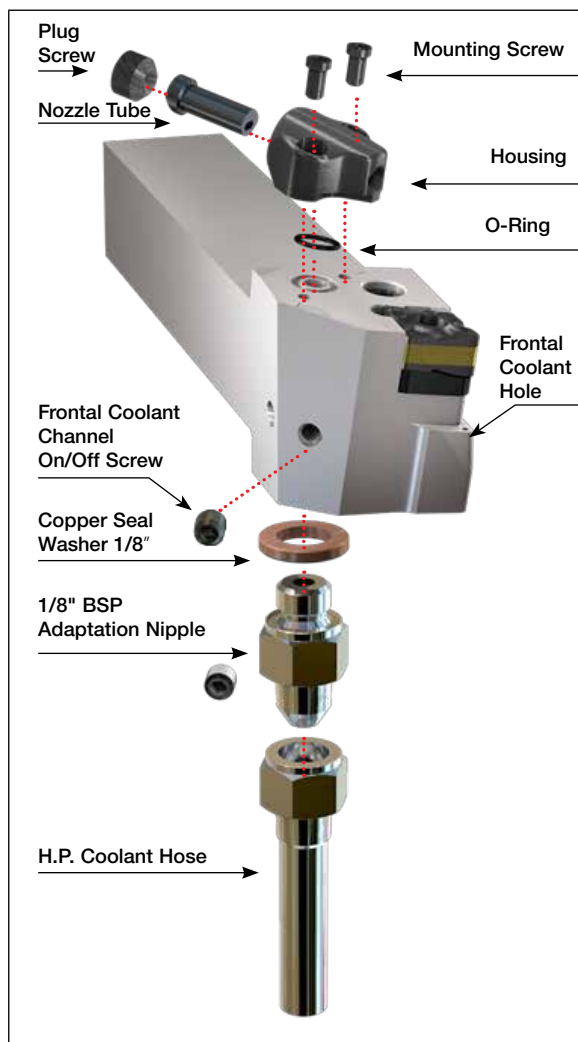
Frontal Coolant Hole

SLAN-15-TANG JHP tools for LNMX 1506... inserts, SVJCR/L-16-JHP for VCMT 1604.. inserts and all high-pressure coolant tools with **CAMFIX** shanks do not have the frontal cooling channel option.

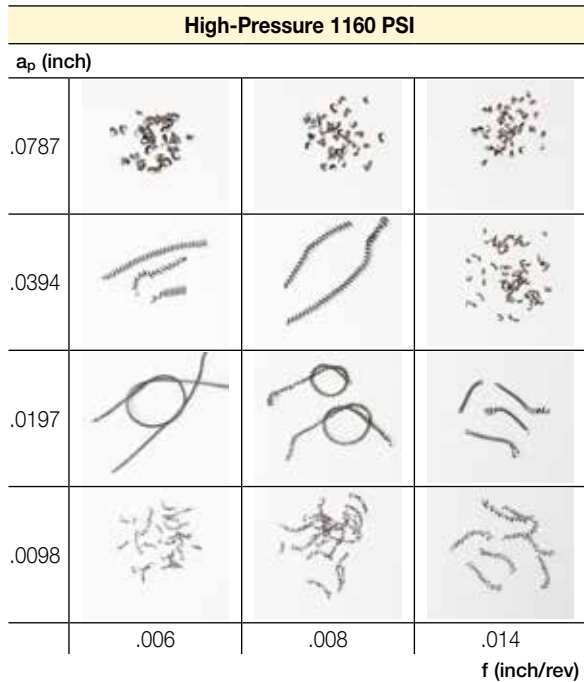
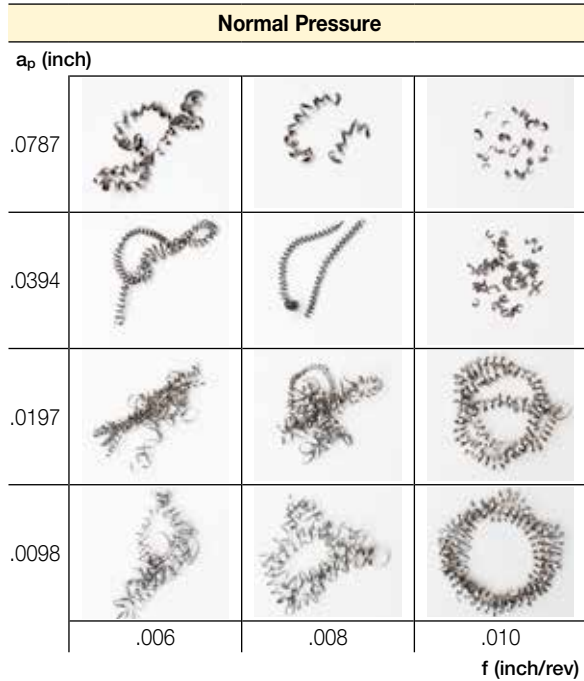


Frontal Coolant Hole

Frontal Coolant On/Off Screw

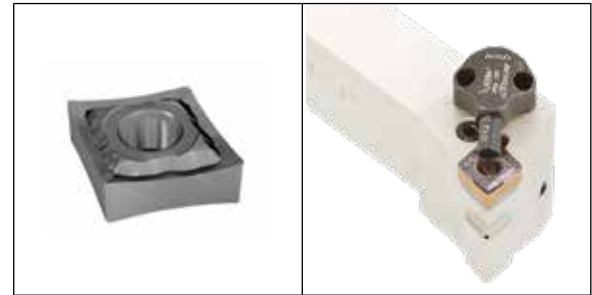


Inconel 718-Chip Control with
CNMX 452-M4MW IC807 $V_c = 230$ (SFM)

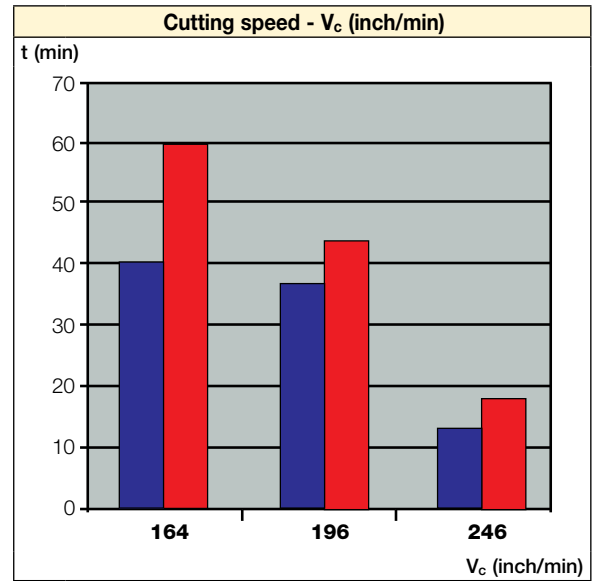


Test Report

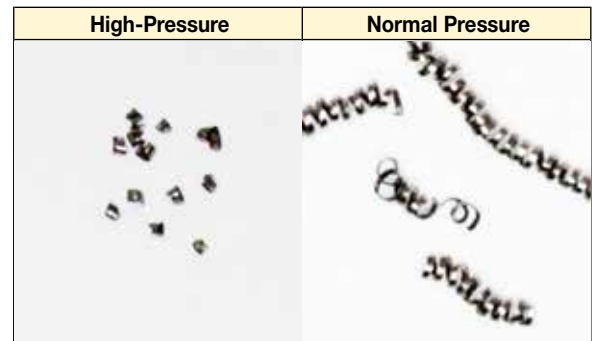
Material: Titanium (Ti6Al4V)
Operation: Turning
Tool: PCLNL 16-4-JHP
Insert: CNMG 433-PP IC20
 a_p : .1"
 f : .012 (inch/rev)



Pressure Influence on Tool Life



Pressure Influence on Chip Control



Test Report

Material: Stainless steel 316L
 Operation: Turning
 Tool: PCLNL 16-4-JHP
 Insert: CNMG 432-TF IC908
 a_p : .1"
 f: .012 (inch/rev)

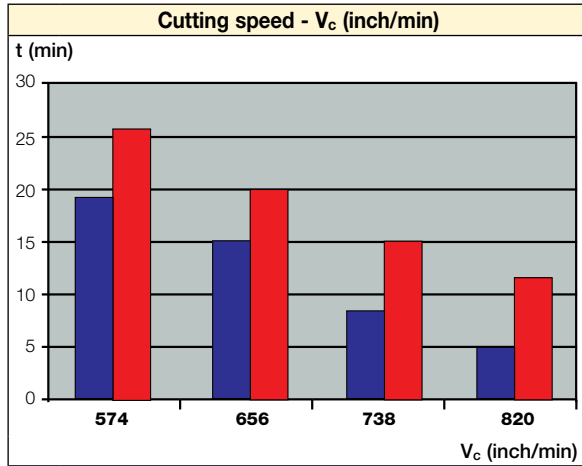


Test Report

Material: Inconel 718 (46 HRC)
 Operation: Turning
 Tool: PCLNL 16-4-JHP
 Insert: CNMG 432-TF IC808
 a_p : .1"
 f: .012 (inch/rev)

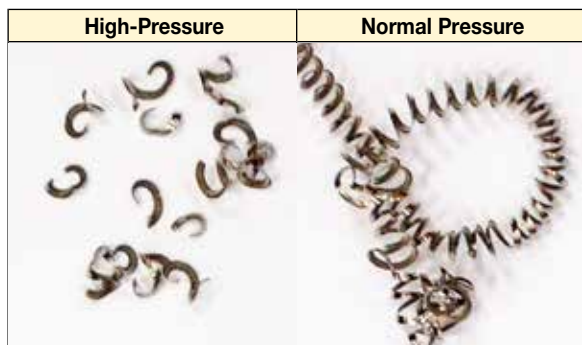


Pressure Influence on Tool Life

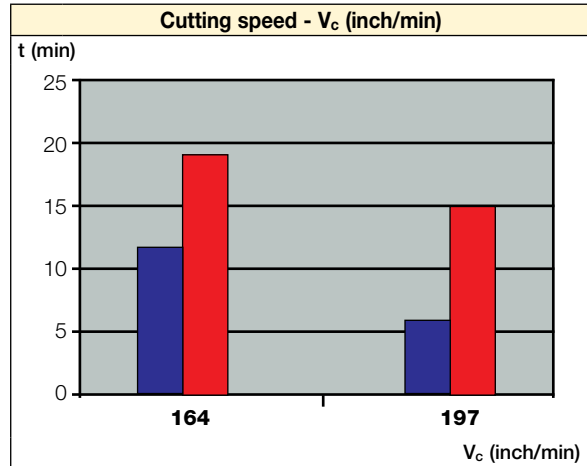


Normal pressure (87-116 PSI)
 High pressure (1015 PSI)

Pressure Influence on Chip Control

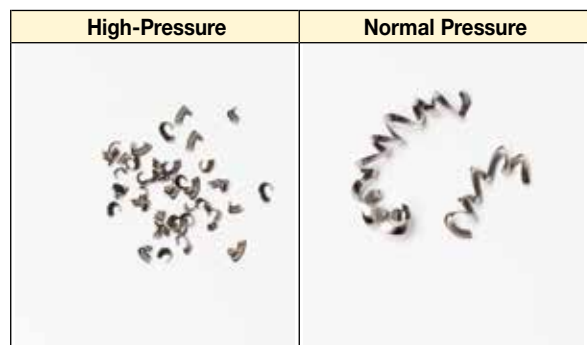


Pressure Influence on Tool Life



Normal pressure (87-116 PSI)
 High pressure (1000 PSI)

Pressure Influence on Chip Control

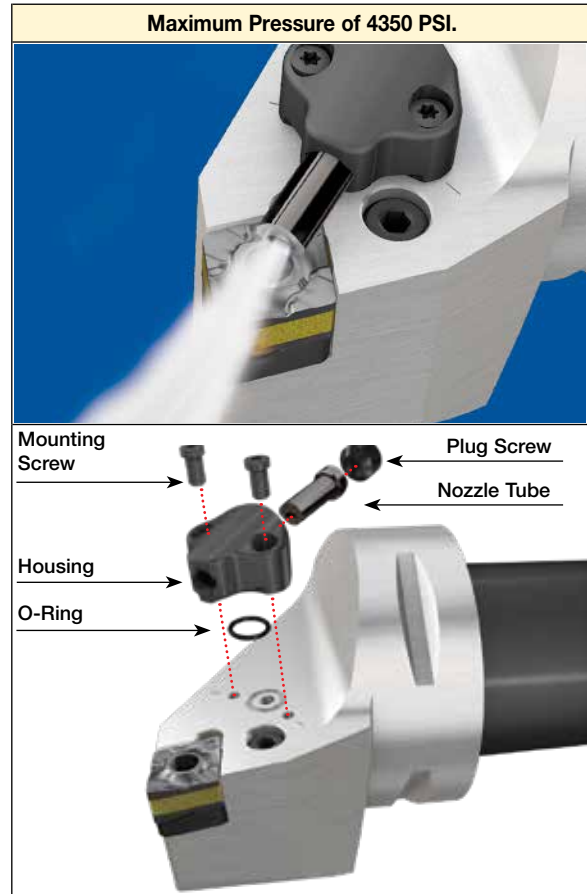
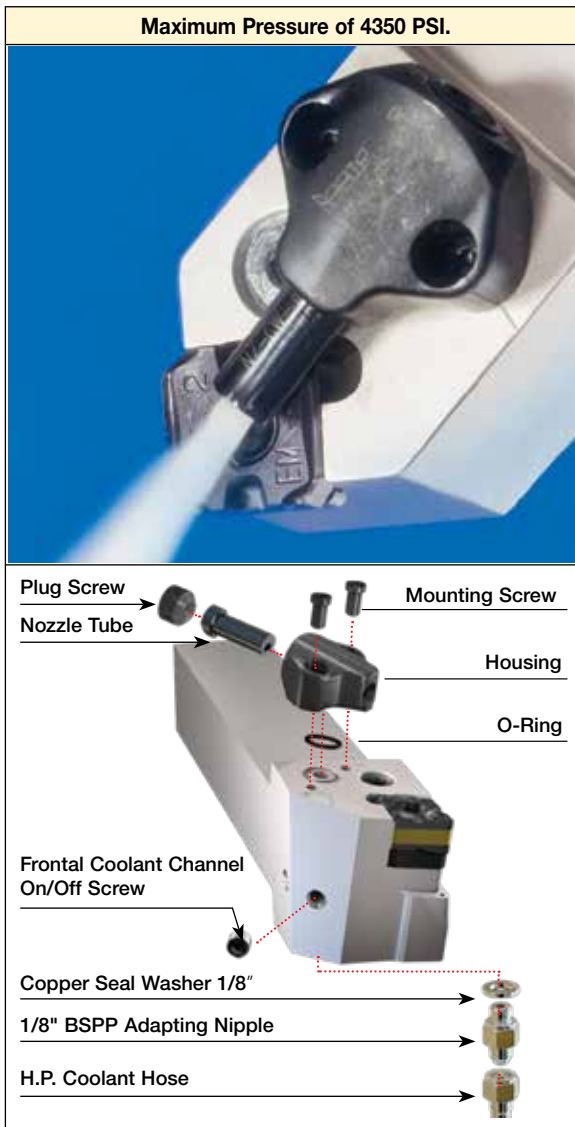


Assembly and Safety Guidelines when using JET HP ISO Turning and Grooving tools. Before use, please ensure that:

- The machine door is in a fully closed position
- The coolant hose is in the correct location and fully tightened with all seals in position
- A blank plug is inserted into the unused coolant hole
- All O-rings and washers are in place
- The coolant hose is tightened securely to the tool holder and tool block to prevent coolant leakage

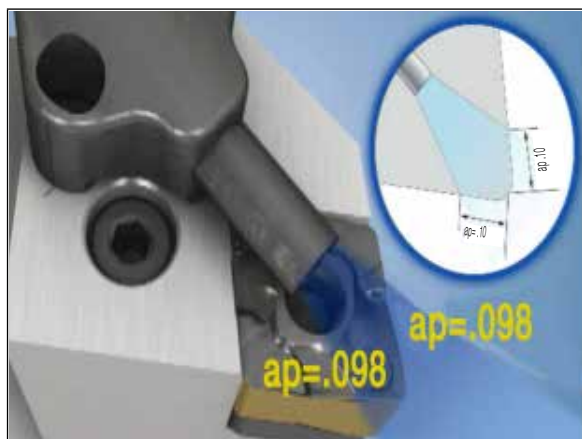
Important

Always pay attention not to exceed the maximum safe working pressure of 4350 PSI.



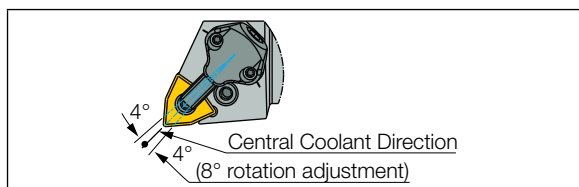
ISOTURN JHP Tools

The unique High-Pressure coolant system is composed of a static housing and telescopic tube to direct the coolant exactly to the cutting edge of the insert. The telescopic tube embedded in the housing skews right and left, according to the working direction of the tool (see drawing). The advantage of this system is that there is no need to detach the housing of the tool when changing an insert. This reduces setup time.

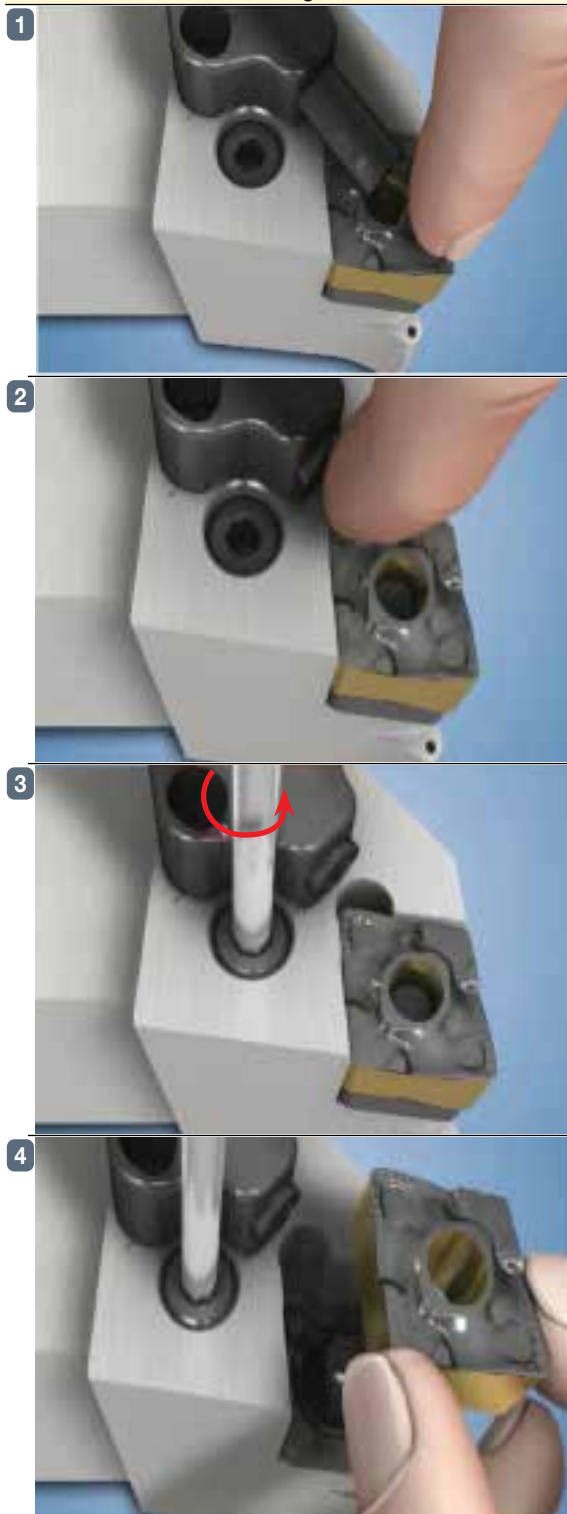


To mount or change an insert, press on the telescopic tube in a backward direction.

After indexing the cutting edge of the insert, starting the coolant will extract the tube automatically to its operating position.



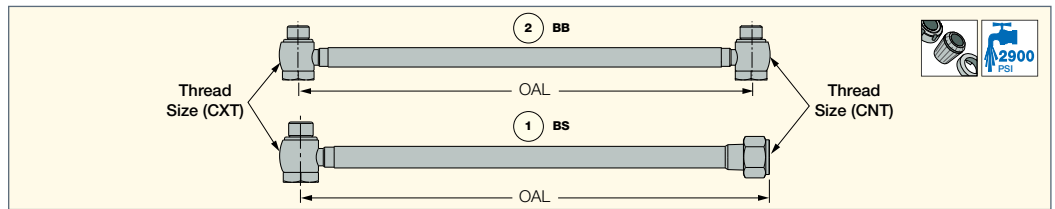
Insert Indexing Procedure



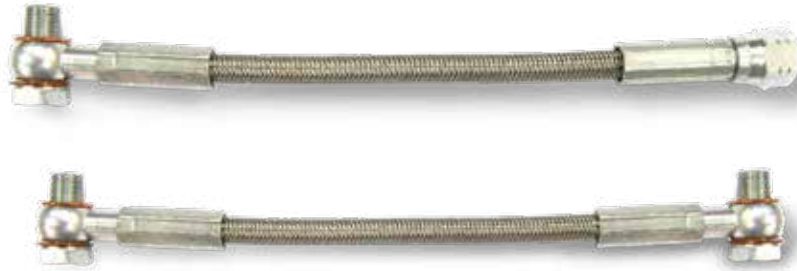
Accessories

JHP HOSE



High-Pressure Coolant Hose



Designation	OAL	Fig.	CXT	CNT
JHP HOSE G1/8-7/16-200BS	7.874	1.	G1/8"-28 BSPP	UNF7/16"-20FLARE 37°
JHP HOSE 5/16-G1/8-200BS	7.874	1.	5/16"-24 UNF	G1/8"-28 BSPP
JHP HOSE 5/16-7/16-200BS	7.874	1.	5/16"-24 UNF	UNF7/16"-20FLARE 37°
JHP HOSE G1/8-G1/8-200BB	7.874	2.	G1/8"-28 BSPP	G1/8"-28 BSPP
JHP HOSE G1/8-7/16-250BS	9.843	1.	G1/8"-28 BSPP	UNF7/16"-20FLARE 37°
JHP HOSE G1/8-G1/8-250BB	9.843	2.	G1/8"-28 BSPP	G1/8"-28 BSPP



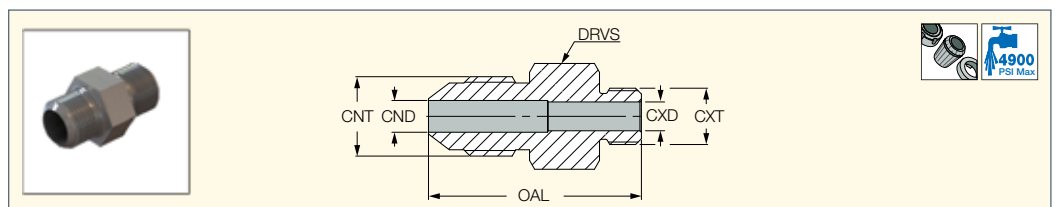
Spare Parts

Designation		
JHP HOSE 5/16-7/16-200BS	JHP BANJO BOLT 5/16" UNF	JHP COPPER SEAL 5/16"
JHP HOSE G1/8-G1/8-200BB		JHP COPPER SEAL 1/8**
JHP HOSE G1/8-G1/8-250BB	JHP BANJO BOLT G1/8**	JHP COPPER SEAL 1/8**

Accessories

JHP NIPPLE

High-Pressure Adaptation Nipple

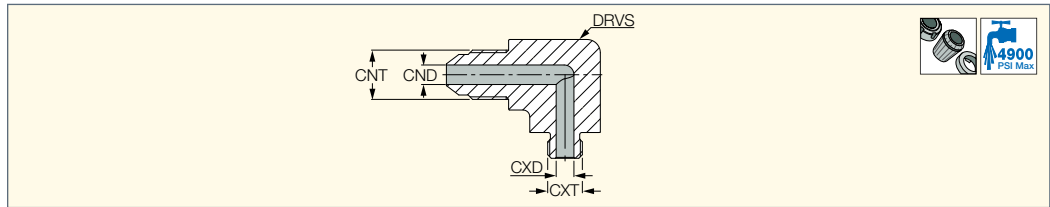


Designation	CXT	CNT	OAL	CND	CXD	DRVS ⁽¹⁾
JHP NIPPLE G1/8"-7/16"UNF	1/8"-28 BSPP	7/16"-20 UNF	1.132	.157	.157	.563
JHP NIPPLE 1/8NPT-7/16UNF	1/8"-27 NPT	7/16"-20 UNF	1.220	.189	.173	.500
JHP NIPPLE 1/4NPT-7/16UNF	1/4"-18 NPT	7/16"-20 UNF	1.417	.173	.173	.563
JHP NIPPLE5/16UNF-7/16UNF	5/16"-24 UNF	7/16"-20 UNF	1.161	.173	.157	.500

Accessories

JHP ELBOW

High-Pressure Adaptation Elbow



Designation	CNT	CND	CXT	CXD	DRVS ⁽²⁾
JHP ELBOW TUB3/16-5/16UNF ⁽¹⁾	-	.122	5/16"-24 UNF	.157	.500
JHP ELBOW 90-5/16-7/16UNF	7/16"-20 UNF	.173	5/16"-24 UNF	.157	.500
JHP ELBOW 90-G1/8-7/16UNF	7/16"-20 UNF	.173	1/8"-28 BSPP	.157	.626

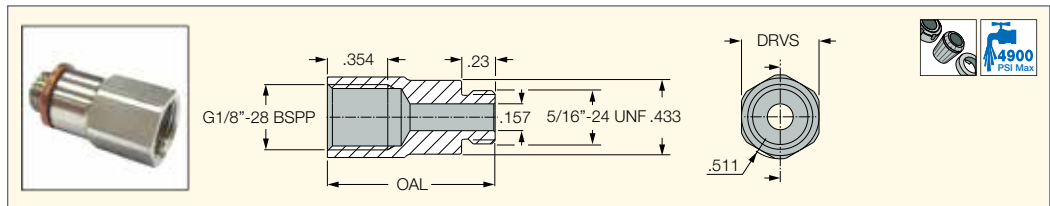
Spare Parts

Designation	
JHP ELBOW	JHP COPPER SEAL 1/8"

Accessories

JHP CONNECTOR

High-Pressure Connector



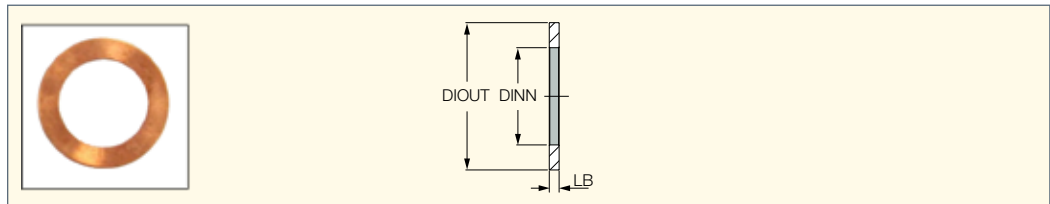
Designation	OAL	DRVS ⁽¹⁾
JHP CONECTOR 5/16"-G1/8"	.984	.472

⁽¹⁾ Torque key size

Accessories

JHP COPPER SEAL

High-Pressure Copper Seal



Designation	DIOUT	DINN	LB
JHP COPPER SEAL 5/16"-2.5	.370	.315	.098
JHP COPPER SEAL 5/16"	.469	.321	.053
JHP COPPER SEAL 1/8"	.591	.394	.039




AD-SET
Pocket Reducer Adapter
for Turning Inserts

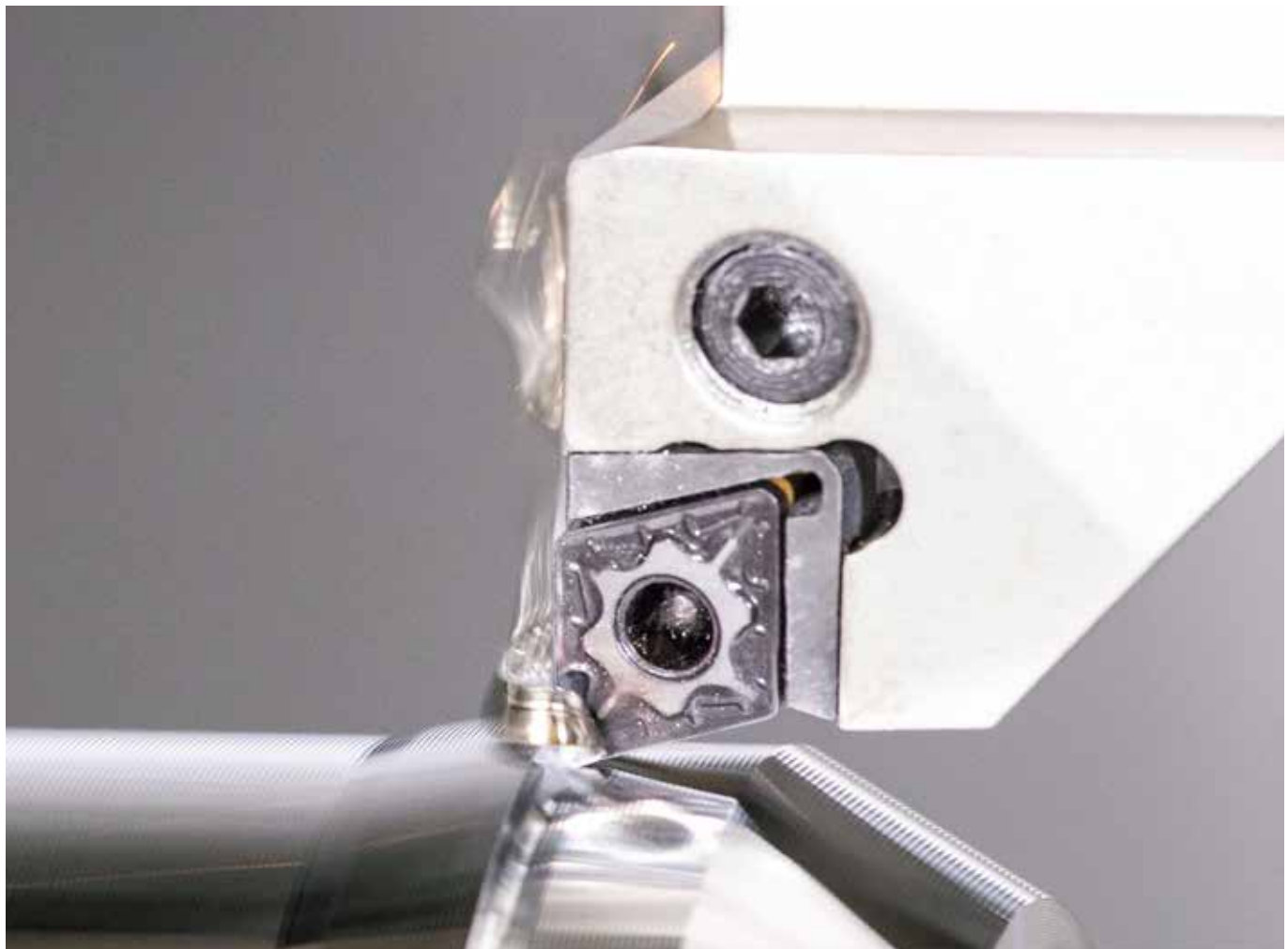







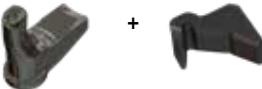










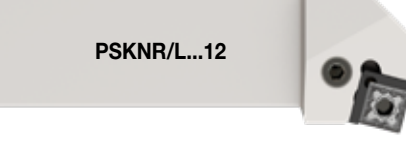



















Designation	IC	S
AD-CL-4/3-WIP-SET	.500	.187
AD-CL-S-4/3-WIP-SET	.500	.187
AD-CL-4/3-SET	.500	.187
AD-CL-4/3-W-SET	.500	.187
AD-CL-4/3X SET	.500	.187
AD-SS-4/3-SET	.500	.187
AD-WL-4/3-SET	.500	.187
AD-CL-6/5IQ-SET	.748	.220

- Tools with K-type coolant cannot be used for facing applications

Spare Parts

Designation			
AD-CL-4/3-WIP-SET	LR 4/3	HW 3.0/5	TCN-432-WIP
AD-CL-S-4/3-WIP-SET	LR 4/3	HW 3.0/5	TCN-432-WIP
AD-CL-4/3-SET	LR 4/3	HW 3.0/5	
AD-CL-4/3-W-SET	LR 4/3	HW 3.0/5	
AD-CL-4/3X SET	LR 4/3X	HW 3.0/5	TCN 4/3X
AD-WL-4/3-SET	LR 4/3	HW 3.0/5	
AD-CL-6/5IQ-SET	LR 6/5IQ		TCX 6/5IQ

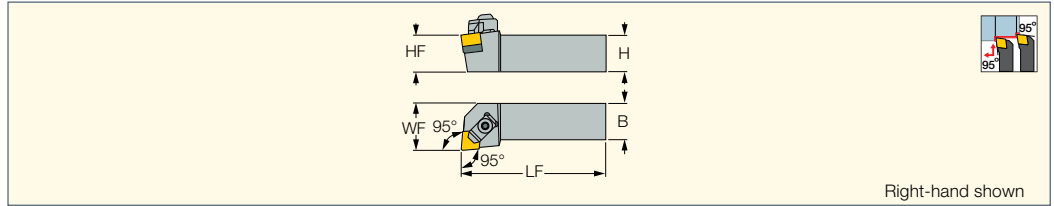


Toolholder	Set Designation	Item No.	Pocket Size Reducer	
			From	To
 PCLNR/L...12	AD-CL-4/3-SET  LR 4-3 + AD-CL-4/3	3351719	 CNMG 12...	 CNMG 09...
 PCLNR/L...12	AD-CL-4/3-W-SET  LR 4-3 + AD-CL-W-4/3	3362999	 CNMG 12...	 WNMG 06...
 PCLNR/L...12	AD-CL-4/3X-SET  LR 4-3X + AD-CL-4/3X + TCN 4/3X	3362630	 CNMG 12...	 CXMG 09...
 PWLNR/L...08	AD-WL-4/3-SET  LR 4-3 + AD-WL-4/3	3363000	 WNMG 08...	 WNMG 06...
 PSKNR/L...12	AD-SS-4/3-SET  LR 4-3 + AD-SS-4/3	3364103	 SNMG 12...	 SNMG 09...
 PCLNR/L...19	AD-CL-6/5IQ-SET  LR 6/5IQ + AD-CL-6/5IQ + TCX 6/5IQ	3364102	 CNMG 19...	 COMG 16...
 PCLNR/L...12	AD-CL-4/3-WIP-SET  LR 4-3 + AD-CL-4/3-WIP + TCN-432-WIP	3373957	 CNMG 12...	 CNMG 09...
 PCLNR/L...12	AD-CL-S-4/3-WIP-SET  LR 4-3 + AD-CL-4/3-WIP + TCN-432-WIP	3382096	 SNMG 12...	 SNMG 09...
 PCLNR/L...12	AD-CL-4/3-X70-SET  LR 4-3 + AD-CL-4/3-X70 + TCN-432-WIP	3395512	 CNMG 12...	 XNMG 09...

ISOTURN

CCLNR

Clamp Lock Toolholders
for Ceramic 80° Rhombic
Negative Inserts



Right-hand shown

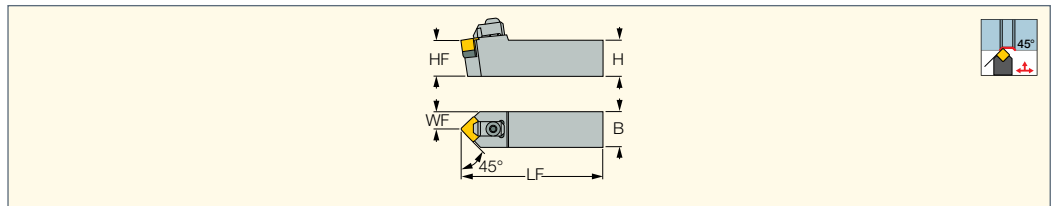
Designation	H	HF	B	LF	WF	GAMP	GAMF	Insert					
CCLNR 12-4CEA	.750	.750	.750	4.500	1.000	-4.0	-6.0	CNG 43..	S 48	SR M5X0.8X10	HW 4.0	SR M6X1X25ISO7380	BCL 6 CLAMP
CCLNR 16-4CE	1.000	1.000	1.000	6.000	1.250	-4.0	-6.0	CNG 45..	S 48	SR M5X0.8X10	HW 4.0	SR M6X1X25ISO7380	BCL 6 CLAMP

For inserts, see pages: CNG-Ceramic (217)

ISOTURN

CSDNN-CE

45° Lead Angle Toolholders
Using Square Ceramic Inserts



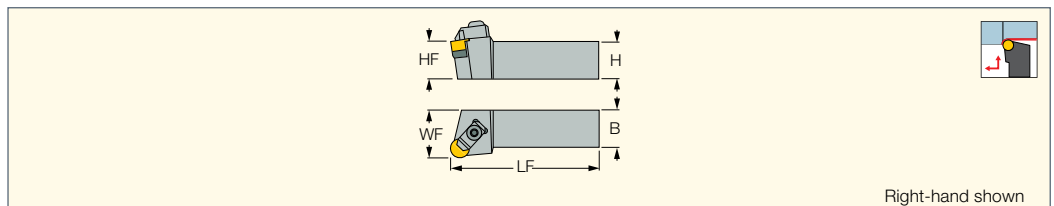
Designation	H	HF	B	LF	WF	Insert					
CSDNN 20-4CE	1.250	1.250	1.250	7.000	.630	SNG 45..	S 40 (SEAT)	SR M5X0.8X10	HW 4.0	SR M6X1X25ISO7380	BCL 6 CLAMP

For inserts, see pages: SNG-Ceramic (218)

ISOTURN

CRGNR

Clamp Lock Toolholders for
Ceramic Round Negative Inserts



Right-hand shown

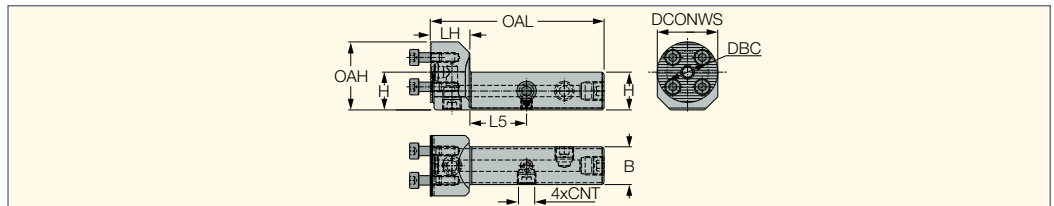
Designation	H	HF	B	LF	WF	GAMP	GAMF	Insert					
CRGNR 16-4CE	1.000	1.000	1.000	6.000	1.250	-6.0	-6.0	RNG 45..	S 43	SR M5X0.8X10	HW 4.0	SR M6X1X25ISO7380	BCL 6 CLAMP
CRGNR 16-4CEA	1.000	1.000	1.000	6.000	1.250	-6.0	-6.0	RNG 43..	S 43	SR M5X0.8X10	HW 4.0	SR M6X1X25ISO7380	BCL 6 CLAMP
CRGNR 20-4CE	1.250	1.250	1.250	7.000	1.500	-6.0	-6.0	RNG 45..	S 43	SR M5X0.8X10	HW 4.0	SR M6X1X25ISO7380	BCL 6 CLAMP

NEOMODU

INDEXABLE TURNING HEADS

SH-S#-N-AVC

Square Shank Holders with
Serrated Connection



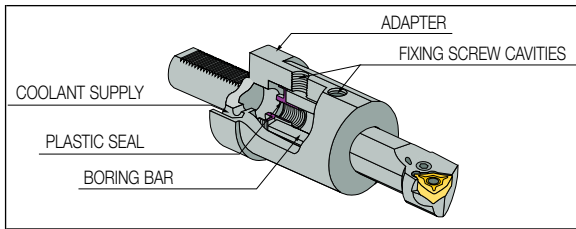
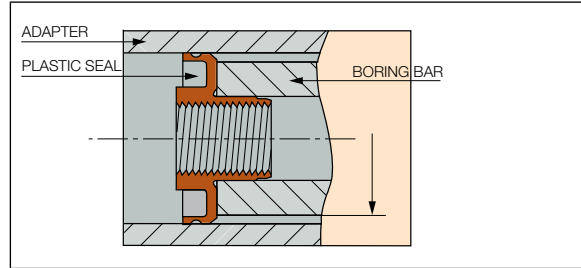
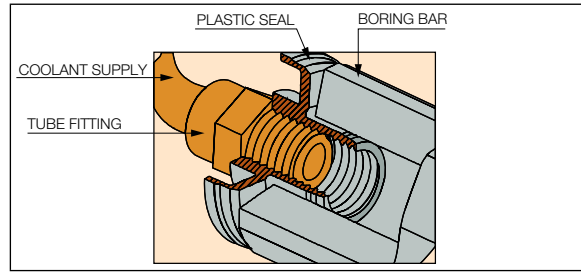
Designation	DCONWS	LH	OAH	OAL	H	B	DBC	L5	CNT
SH-S12-N-AVC-D20-JHP-MC	.7870	.827	1.146	3.622	.750	.750	.512	1.181	G 1/8
SH-S12-N-AVC-D25-JHP-MC	.9840	.827	1.244	3.622	.750	.750	.630	1.181	G 1/8
SH-S12-N-AVC-D32-JHP-MC	1.2600	.827	1.382	3.622	.750	.750	.866	1.181	G 1/8
SH-S16-N-AVC-D25-JHP-MC	.9840	.827	1.492	4.213	1.000	1.000	.630	1.417	G 1/8
SH-S16-N-AVC-D32-JHP-MC	1.2600	.827	1.630	4.213	1.000	1.000	.866	1.417	G 1/8
SH-S16-N-AVC-D40-JHP-MC	1.5750	.827	1.787	4.213	1.000	1.000	1.102	1.417	G 1/8
SH-S20-N-AVC-D32-JHP-MC	1.2600	.827	1.882	5.984	1.250	1.250	.866	-	G 1/8
SH-S20-N-AVC-D40-JHP-MC	1.5750	1.024	2.039	5.984	1.250	1.250	1.102	-	G 1/8
SH-S24-N-AVC-D40-JHP-MC	1.5750	1.024	2.287	7.874	1.500	1.500	1.102	-	G 1/8

ISOTURN Boring Bars

ISCAR boring bars are equipped with internal coolant. A unique plastic seal is supplied for insertion into the channel which:

- Features a threaded tube fitting connection
- Performs a sealing role while clamped in a cylindrical adapter
- Requires no re-threading after shortening the bar

This unique design is a simple and versatile solution for installing coolant supply and extends tool life, improves chip flow and machining reliability.

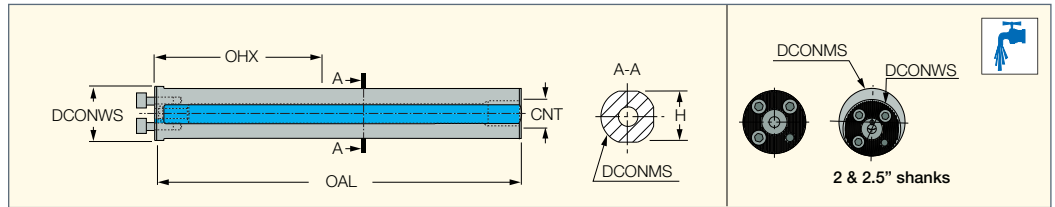


Straight Shank

ISOTURN

SH-D

Steel Boring Bars With Serrated Connection For AVC Heads







Designation	DCONWS	DCONMS	OAL	OHX ⁽¹⁾	CNT	H	BMC
SH-D.625-4D-A	.6250	.625	4.210	1.700	UNC-2B 3/8"-16	.574	S
SH-D.75-4D-A	.7500	.750	5.228	2.300	UNFC-2B 3/8"-24	.677	S
SH-D1.0-4D-A	1.0000	1.000	7.200	3.100	UNF-2B 1/2"-20	.921	S
SH-D1.25-4D-A	1.2500	1.250	8.740	3.800	UNF-2B 1/2"-20	1.142	S
SH-D1.5-4D-A	1.5000	1.500	10.750	4.500	UNF-2B 1/2"-20	1.339	S
SH-D2.0-4D-40-A	2.0000	2.000	14.720	6.500	UNF-2B 1/2"-20	1.811	S
SH-D2.5-4D-40-A	2.5000	2.500	18.740	8.500	UNF-2B 1/2"-20	2.283	S

⁽¹⁾ Maximum overhang

For tools, see pages: AVC-D-SIR/L (773) • AVC-DDUNR/L (94) • AVC-DVUNR/L (94) • AVC-GAIR/L (371) • AVC-GAIR/L (371) • AVC-PCLNR/L (93) • AVC-PCLXR/L (93) • AVC-SCLCR/L (91) • AVC-SDUCR/L (92) • AVC-SVLCR/L (92) • AVC-SVUCR/L (92)

Spare Parts

Designation				
SH-D.625-4D-A	SR M3X10DIN912	HW 2.5	PL 062	
SH-D.75-4D-A	SR M3.5XL10-D5.5	HW 2.5	PL 075	
SH-D1.0-4D-A	SR M4X12DIN912	HW 3.0	PL 100	OR 5.6X1.8 NBR
SH-D1.25-4D-A	SR M5X12 DIN912	HW 4.0	PL 125	OR 5.6X1.8 NBR
SH-D1.5-4D-A	SR M6X16 DIN912	HW 5.0	PL 150	OR 5.6X1.8 NBR
SH-D2.0-4D-40-A	SR M6X16 DIN912	HW 5.0	PL 40	OR 5.6X1.8 NBR
SH-D2.5-4D-40-A	SR M6X16 DIN912	HW 5.0	PL 40	OR 5.6X1.8 NBR



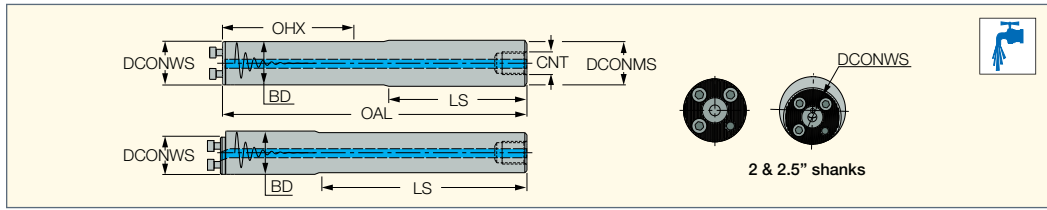


Straight Shank

ISOTURN

AV-D

Anti-Vibration Bars with Through Coolant for Interchangeable Turning Heads



Designation	DCONWS	DCONMS	BD	OAL	LS	OHN ⁽¹⁾	OHX ⁽²⁾	CNT	BMC ⁽³⁾	CP ⁽⁴⁾
AV-D.625-7D-C	.6300	.625	.6300	6.140	3.60	2.60	3.500	G1/8	S	30
AV-D.625-10D-E	.6300	.625	.6300	8.030	5.22	3.59	5.500	-	H	30
AV-D.750-7D-C	.7870	.750	.7870	7.870	4.94	2.93	4.400	G1/4	S	30
AV-D.750-10D-E	.7870	.750	.7870	10.240	6.77	4.46	7.000	-	H	30
AV-D1.00-7D-C	.9840	1.000	.9840	10.200	6.83	3.37	6.200	G1/4	S	40
AV-D1.00-10D-C	.9840	1.000	.9840	13.210	8.65	6.21	9.200	G1/4	S	40
AV-D1.25-7D-C	1.2600	1.250	1.2600	12.480	7.37	5.15	7.500	G3/8	S	50
AV-D1.25-10D-C	1.2600	1.250	1.2600	16.240	9.67	7.49	11.200	G3/8	S	50
AV-D1.50-7D-C	1.5750	1.500	1.5750	15.260	9.13	6.20	9.200	G1/2	S	70
AV-D1.50-10D-C	1.5750	1.500	1.5750	19.800	13.35	9.24	13.700	G1/2	S	70
AV-D2.00-7D-C	1.5750	2.000	2.0000	20.740	-	6.74	12.700	G1/2	S	70
AV-D2.00-10D-C	1.5750	2.000	2.0000	26.730	-	12.74	18.700	G1/2	S	70
AV-D2.50-7D-C	1.5750	2.500	2.5000	26.200	-	8.74	16.200	G3/4	S	70
AV-D2.50-10D-C	1.5750	2.500	2.5000	33.720	-	16.24	23.700	G3/4	S	70

- ⁽¹⁾ Minimum overhang
- ⁽²⁾ Maximum overhang
- ⁽³⁾ S-steel body, H-solid carbide body
- ⁽⁴⁾ Coolant pressure (PSI)

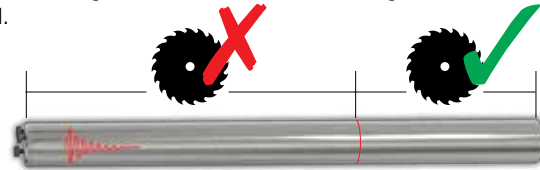
For tools, see pages: AVC-D-SIR/L (773) • AVC-DDUNR/L (94) • AVC-DVUNR/L (94) • AVC-GAIR/L (371) • AVC-PCLNR/L (93) • AVC-PCLXR/L (93) • AVC-SCLCR/L (91) • AVC-SDUCR/L (92) • AVC-SVLCR/L (92) • AVC-SVUCR/L (92)

Bar Diameter	Minimum Length After Shortening	
	DCONMS (inch)	OAL 10D (inch)
.625	4.60	-- ⁽¹⁾
.750	5.60	-- ⁽¹⁾
1.00	6.70	10.3
1.25	9.00	12.5
1.50	11.4	15.1
2.00	12.4	21.0
2.50	16.8	26.8

⁽¹⁾ Cannot be shortened

Shortening the Bar

In case the bar is too long for your machine or application, it is possible to shorten it. Each bar has a red marking that shows the minimum length to which the bar can be shortened.



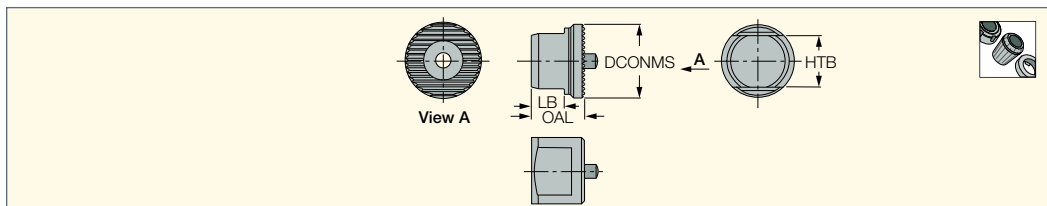
Spare Parts

Designation	
AV-D.625-7D-C	SR M3X10DIN912
AV-D.750-7D-C	SR M3.5XL10-D5.5
AV-D.750-10D-E	SR M3.5XL10-D5.5
AV-D1.00-7D-C	SR M4X12DIN912
AV-D1.25-10D-C	SR M5X12 DIN912
AV-D1.50-7D-C	SR M6X16 DIN912
AV-D1.50-10D-C	SR M6X16 DIN912
AV-D2.00-7D-C	SR M6X16 DIN912
AV-D2.50-10D-C	SR M6X16 DIN912



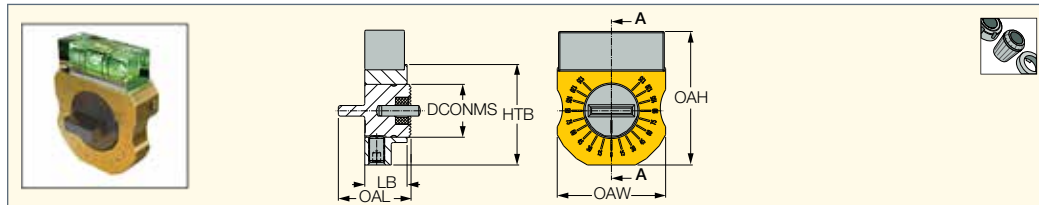
AVC-SET

Center Height Set Up Device




Designation	DCONMS	HTB	OAL	LB	Shank
AVC-SET 16-25	.787	.591	.571	.354	.625, .75, 1.00
AVC-SET 32-60	1.142	.630	.689	.453	1.25, 1.5, 2.0, 2.5

AVC-SET-LEV
Center Height Set Up Device

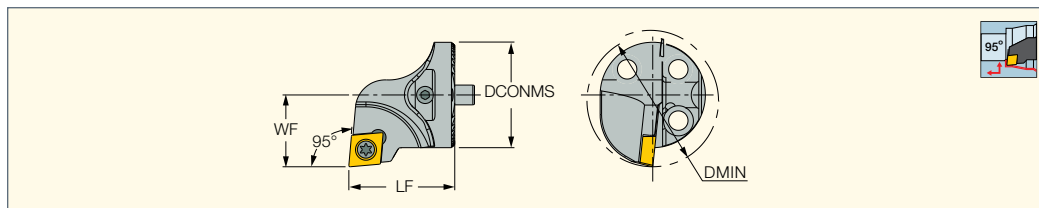


Designation	DCONMS	HTB	OAL	LB	Shank	OAH	OAW
AVC-SET 16-25-LEV	.787	1.496	1.083	.630	16, 20, 25	1.988	1.614
AVC-SET 32-60-LEV	1.142	1.929	1.102	.630	32, 40, 50, 60	2.323	1.929

Spare Parts

Designation		
AVC-SET-LEV	SR M6X10 DIN1835B	HW 3.0

AVC-SCLCR/L
Interchangeable Boring
Heads Carrying 80° Rhombic
Inserts with 7° Clearance



Designation	WF	DCONMS	DMIN	LF	CSP ⁽²⁾	MIID ⁽³⁾
AVC-D16-SCLCR/L-06	.433	.630	.787	.787	0	CCMT 2-1-14
AVC-D20-SCLCR/L-09	.512	.787	.984	.787	0	CCMT 3-2-M3M
AVC-D25-SCLCR/L-09	.669	.984	1.260	.787	1	CCMT 3-2-M3M
AVC-D32-SCLCR/L-09	.866	1.260	1.575	1.260	1	CCMT 3-2-M3M
AVC-D40-SCLCR/L-12T ⁽¹⁾	1.063	1.575	1.968	1.496	1	CCMT 432-SM

• DMIN of 2.362" shanks is DMIN of requested head + 0.787"

⁽¹⁾ DMIN of 1.968" shank is DMIN of requested head + 0.394"





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

⁽³⁾ Master insert identification

For inserts, see pages: CCET-WF (184) • CCGT-AF (212) • CCGT-AS (212) • CCGW/CCMT (CBN) (229) • CCGW/CCMW-2 (CBN) (230) • CCMT (PCD) (223) • CCMT-14 (183) • CCMT-F3M (181) • CCMT-M3M (181) • CCMT-M3P (180) • CCMT-PF (183) • CCMT-WG (184) • CCMT/CCGT (183) • CCMT/CCGT-SM (182)

For holders, see pages: AV-D (90) • C#-SH-E-JHP (685) • C#-SH-JHP (685) • SH-D (89) • SH-S#-N-AVC (87)

Spare Parts

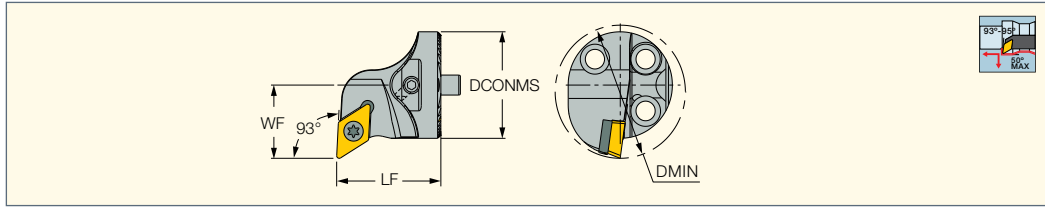
Designation				
AVC-D16-SCLCL-06	SR 14-548*	T-7/5*		
AVC-D16-SCLCR-06	SR 14-548*	T-7/5*		
AVC-D20-SCLCL-09	SR 16-236*	T-15/5*		
AVC-D20-SCLCR-09	SR 16-236*	T-15/5*		
AVC-D25-SCLCL-09	SR 16-236*	T-15/5*		
AVC-D25-SCLCR-09	SR 16-236*	T-15/5*		
AVC-D32-SCLCL-09	SR 16-236*	T-15/5		
AVC-D32-SCLCR-09	SR 16-236*	T-15/5		
AVC-D40-SCLCL-12T	SR 16-212*	T-20/5*	SR TC-4*	TCC 4-2*
AVC-D40-SCLCR-12T	SR 16-212*	T-20/5*	SR TC-4*	TCC 4-2*

ISOTURN

WHISPERLINE
ANTI-VIBRATION

AVC-SDUCR/L

Interchangeable Boring Heads Carrying 55° Rhombic Inserts with 7° Clearance



Designation	WF	DCONMS	DMIN	LF	CSP ⁽²⁾	MIID ⁽³⁾				
AVC-D16-SDUCR/L-07	.433	.630	.787	.787	0	DCMT 2-1	SR 14-548*	T-7/5*		
AVC-D20-SDUCR/L-11	.512	.787	.984	.787	0	DCMT 3-2-14	SR 16-236 P*	T-15/5*		
AVC-D25-SDUCR/L-11	.669	.984	1.260	.787	1	DCMT 3-2-14	SR 16-236 P*	T-15/5*		
AVC-D32-SDUCR/L-11T	.866	1.260	1.575	1.260	1	DCMT 3-2-14	SR 16-236 P*	T-15/5*	SR TC-3P*	TDC 3-1P*
AVC-D40-SDUCR/L-11T ⁽¹⁾	1.063	1.575	1.968	1.260	1	DCMT 3-2-14	SR 16-236 P*	T-15/5*	SR TC-3P*	TDC 3-1P*

• DMIN of 2.362" shanks is DMIN of requested head + 0.787"

⁽¹⁾ DMIN of 1.968" shank is DMIN of requested head + 0.394"

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

⁽³⁾ Master insert identification

* Optional, should be ordered separately

For inserts, see pages: DCET-WF (192) • DCGT-AF (213) • DCGT-AS (213) • DCGT-F1M-12P (189) • DCGT-F1M-20P (189) • DCGW/DCMW-2 (CBN) (233)

• DCMT (CBN) (232) • DCMT (PCD) (224) • DCMT-14 (192) • DCMT-CERMET (188) • DCMT-F3P (186) • DCMT-M3M (186) • DCMT/DCGT (191)

• DCMT/DCGT-PF (190) • DCMT/DCGT-SM (191)

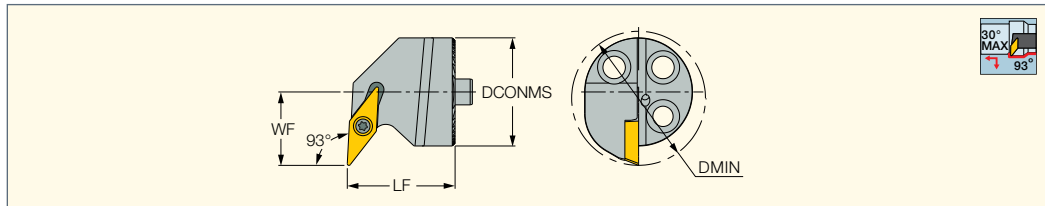
For holders, see pages: AV-D (90) • C#-SH-E-JHP (685) • C#-SH-JHP (685) • SH-D (89) • SH-S#-N-AVC (87)

ISOTURN

WHISPERLINE
ANTI-VIBRATION

AVC-SVUCR/L

Interchangeable Boring Heads Carrying 35° Rhombic Inserts with 7° Clearance



Designation	WF	DCONMS	DMIN	LF	CSP ⁽¹⁾	MIID ⁽²⁾		
AVC-D20-SVUCR/L-11	.630	.787	1.063	.787	0	VCMT 221-F3P	SR 14-560*	T-8/5*
AVC-D25-SVUCR/L-11	.669	.984	1.260	.984	1	VCMT 221-F3P	SR 14-560*	T-8/5*

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

⁽²⁾ Master insert identification

* Optional, should be ordered separately

For inserts, see pages: VCGT-AS (211) • VCGT-F1M-12P (194) • VCGT-F1M-20P (194) • VCMT-F3M (193) • VCMT-SM (195)

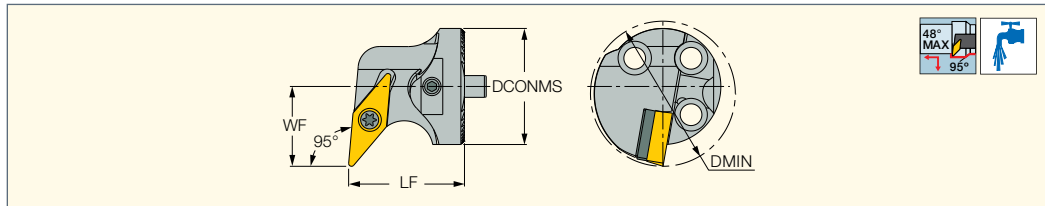
For holders, see pages: AV-D (90) • C#-SH-E-JHP (685) • C#-SH-JHP (685) • SH-D (89) • SH-S#-N-AVC (87)

ISOTURN

WHISPERLINE
ANTI-VIBRATION

AVC-SVLCR/L

Interchangeable Boring Heads Carrying 35° Rhombic Inserts with 7° Clearance



Designation	WF	DCONMS	DMIN	LF	CSP ⁽²⁾	MIID ⁽³⁾
AVC-D32-SVLCR/L-16T	.866	1.260	1.575	1.260	1	VCMT 332-F3M
AVC-D40-SVLCR/L-16T ⁽¹⁾	1.063	1.575	1.968	1.260	1	VCMT 332-F3M

• For positive "V" insert geometry with radius 1.2mm please use set: TVC 3-76 * 3312824 • DMIN of 2.362" shanks is DMIN of requested head + 0.787"

⁽¹⁾ DMIN of 1.968" shank is DMIN of requested head + 0.394"

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

⁽³⁾ Master insert identification

For inserts, see pages: VCGT (PCD) (225) • VCGT-AS (211) • VCGT-DW (PCD) (224) • VCGW-2 (CBN) (235) • VCMT (CBN) (224) • VCMT-14 (195)

• VCMT-F3M (193) • VCMT-F3P (192) • VCMT-FPC-CERMET (193) • VCMT-M3M (193) • VCMT-SM (195) • VCMW (196)

For holders, see pages: AV-D (90) • C#-SH-E-JHP (685) • C#-SH-JHP (685) • SH-D (89) • SH-S#-N-AVC (87)

Spare Parts

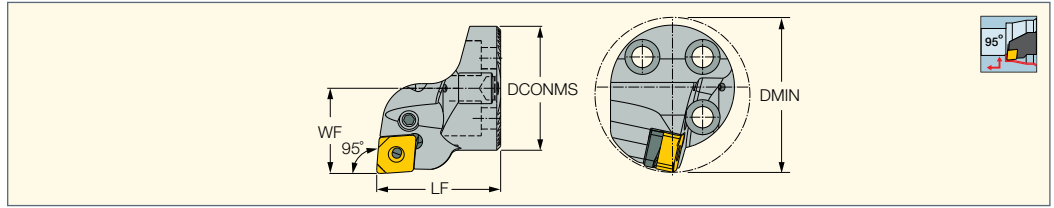
Designation					
AVC-SVLCR/L	SR 16-236 P*	T-15/5*	SR TC-3P*	TVC 3-1P*	TVC 3-04675*

FLASHTURN
ECO LINE

WHISPERLINE
ANTI-VIBRATION

AVC-PCLNR/L

Interchangeable Boring Heads
Carrying 80° Rhombic Inserts



Designation	WF	DCONMS	DMIN	LF	MID ⁽¹⁾
AVC-D20-PCLNR/L-09	.512	.787	.984	1.024	CNMG 09
AVC-D25-PCLNR/L-09	.669	.984	1.260	1.102	CNMG 09
AVC-D32-PCLNR/L-09	.866	1.260	1.575	1.260	CNMG 09

⁽¹⁾ Master insert identification

For inserts, see pages: CNMG-F3S (139) • CNGG-F3N (208) • CNMG-F3M (138) • CNMG-F3P (135) • CNMG-M3M (138) • CNMG-M3P (136)

For holders, see pages: AV-D (90) • C#-SH-E-JHP (685) • C#-SH-JHP (685) • SH-D (89) • SH-S#-N-AVC (87)

Spare Parts

Designation							
AVC-D20-PCLNL-09			LR 3S	SR 117-2009	HW 2.0		
AVC-D20-PCLNR-09			LR 3S	SR 117-2009	HW 2.0		
AVC-D25-PCLNL-09			LR 3S	SR 117-2009	HW 2.0		
AVC-D25-PCLNR-09			LR 3S	SR 117-2009	HW 2.0		
AVC-D32-PCLNL-09	TCN 323	TCX 3 ^(a)	LR 3	SR 117-2014	HW 2.5	SP 3	PN 3-4
AVC-D32-PCLNR-09	TCN 323	TCX 3 ^(a)	LR 3	SR 117-2014	HW 2.5	SP 3	PN 3-4

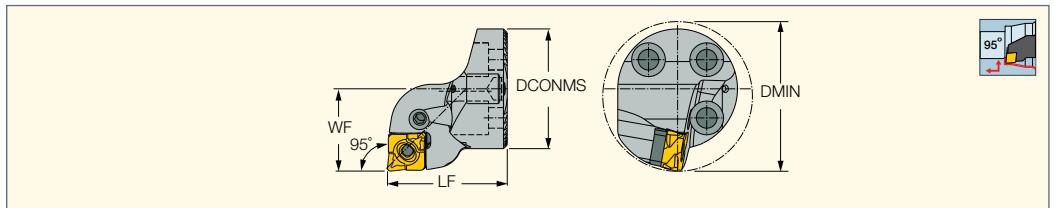
^(a) For CNMX 0906.. (CNMX 34.) inserts

LOGIQ4TURN
POSITIVE DOUBLE SIDED

WHISPERLINE
ANTI-VIBRATION

AVC-PCLXR/L

Interchangeable Boring Heads
Carrying 80° Rhombic Inserts



Designation	WF	DCONMS	DMIN	LF	MID ⁽²⁾
AVC-D20-PCLXR/L-09X	.512	.787	.984	1.024	CXMG 09
AVC-D25-PCLXR/L-09X	.669	.984	1.260	1.102	CXMG 09
AVC-D32-PCLXR/L-09X	.866	1.260	1.575	1.260	CXMG 09
AVC-D40-PCLXR/L-12X ⁽¹⁾	1.063	1.575	1.968	1.378	CXMG 12

• DMIN of 2.362" shanks is DMIN of requested head + 0.787"

⁽¹⁾ DMIN of 1.968" shank is DMIN of requested head + 0.394"

⁽²⁾ Master insert identification

For inserts, see pages: CXMG-F3M (177) • CXMG-F3P (176) • CXMG-M3M (177) • CXMG-M3P (176)

For holders, see pages: AV-D (90) • C#-SH-E-JHP (685) • C#-SH-JHP (685) • SH-D (89) • SH-S#-N-AVC (87)

Spare Parts

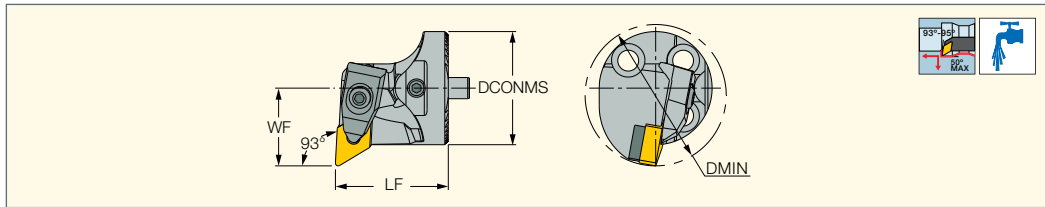
Designation							
AVC-D20-PCLXL-09X		LR 3X SET	SR M6XL11.5V		T-8/5		
AVC-D20-PCLXR-09X		LR 3X SET	SR M6XL11.5V		T-8/5		
AVC-D25-PCLXL-09X		LR 3X SET	SR M6XL11.5V		T-8/5		
AVC-D25-PCLXR-09X		LR 3X SET	SR M6XL11.5V		T-8/5		
AVC-D32-PCLXL-09X	TSN 323	LR 3XL	SR 117-2014	HW 2.5/5		SP 3	PN 3-4
AVC-D32-PCLXR-09X	TSN 323	LR 3XL	SR 117-2014	HW 2.5/5		SP 3	PN 3-4
AVC-D40-PCLXL-12X	TCNX 423	LR 4X	SR LCS 5	HW 3.0		SP 4	PN 3-4
AVC-D40-PCLXR-12X	TCNX 423	LR 4X	SR LCS 5	HW 3.0		SP 4	PN 3-4

ISOTURN

WHISPERLINE
ANTI-VIBRATION

AVC-DDUNR/L

Interchangeable Boring Heads
Carrying 55° Rhombic Inserts



Designation	WF	DCONMS	DMIN	LF	MIID ⁽²⁾	CSP ⁽³⁾
AVC-D32-DDUNR/L-11T	.866	1.260	1.575	1.260	DNMG 332-NF	1
AVC-D40-DDUNR/L-15T ⁽¹⁾	1.063	1.575	1.968	1.496	DNMG 442-F3M	1

• DMIN of 2.362" shanks is DMIN of requested head + 0.787"

⁽¹⁾ DMIN of 1.968" shank is DMIN of requested head + 0.394"

⁽²⁾ Master insert identification

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

For inserts, see pages: DNGA-4 (CBN) (231) • DNGA-Ceramic (219) • DNGG-M3N (209) • DNMA (154) • DNMA (CBN) (230) • DNMG-F3M (149) • DNMG-F3P (148) • DNMG-F3S (150) • DNMG-GN (153) • DNMG-M3M (149) • DNMG-M3P (148) • DNMG-NF (151) • DNMG-NR (153) • DNMG-PF (152) • DNMG-VL (152) • DNMG-WG (151) • DNMG/DNGG-PP (152) • DNMG/DNGG-SF (151) • DNMG/DNGG-TF (153) • DNMM-NM (154) • DNMM-R3P (154)

For holders, see pages: AV-D (90) • C#-SH-E-JHP (685) • C#-SH-JHP (685) • SH-D (89) • SH-S#-N-AVC (87)

Spare Parts

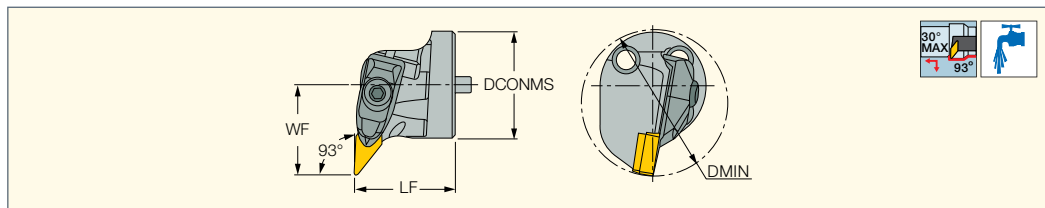
Designation								
AVC-D32-DDUNR/L-11T	RDT 3-2*	RDT 443*	DLS 4*	SR 40085*	HW 2.5*	T-15/5*	LCGR-3*	KSP 3*
AVC-D40-DDUNR/L-15T	RDT 433*	RDT 443*	DLS 4*	SR 14-506 M4X0.7*	HW 3.0	T-15/5*	DLM 4*	DSP 4*
AVC-D40-DDUNR-15T	RDT 433*	RDT 443*	DLS 4*	SR 14-506 M4X0.7*		T-15/5*	DLM 4*	DSP 4*

ISOTURN

WHISPERLINE
ANTI-VIBRATION

AVC-DVUNR/L

Interchangeable Boring Heads
Carrying 35° Rhombic Inserts



Designation	WF	DCONMS	DMIN	LF	CSP ⁽²⁾	MIID ⁽³⁾
AVC-D40-DVUNR/L-16T ⁽¹⁾	1.339	1.575	2.205	1.496	1	VNMG 332-F3M

• DMIN of 2.362" shanks is DMIN of requested head + 0.787"

⁽¹⁾ DMIN of 1.968" shank is DMIN of requested head + 0.394"

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

⁽³⁾ Master insert identification

For inserts, see pages: VNGG-M3N (210) • VNMG-F3M (156) • VNMG-F3P (156) • VNMG-M3M (156) • VNMG-TF (158) • VNMG/VNGG-NF (158)

For holders, see pages: AV-D (90) • C#-SH-E-JHP (685) • C#-SH-JHP (685) • SH-D (89) • SH-S#-N-AVC (87)

Spare Parts

Designation						
AVC-D40-DVUNR/L-16T	DLM 3V*	SR 10402267*	HW 4.0*	KSP 5*	T-15/5*	SR 35080*

* Optional, should be ordered separately

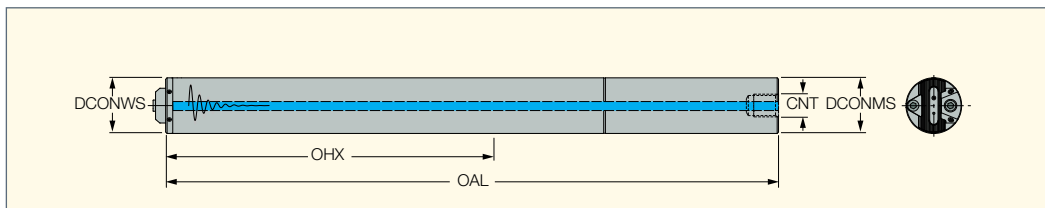
WHISPERLINE
ANTI-VIBRATION

Straight Shank

ISOTURN

AV-D-VH

Anti-Vibration Bars with
Through Coolant for
Interchangeable Turning Heads



Designation	DCONMS	DCONWS	OAL	OHX ⁽¹⁾	CNT	CP ⁽²⁾
AV-D80-7D-C-VH	3.150	3.1496	34.646	515.000	G3/4"	1015
AV-D80-10D-C-VH	3.150	3.1496	47.244	755.000	G3/4"	1015

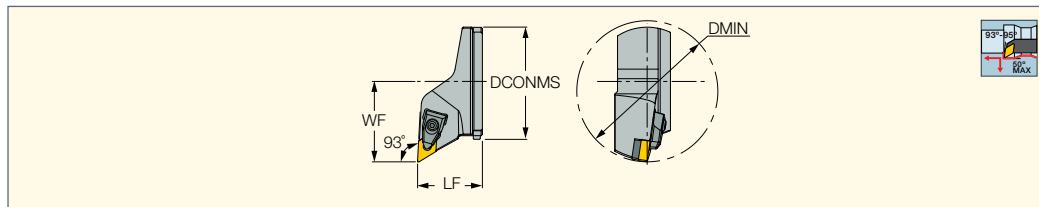
• The bars can be shortened. For details, see table below

⁽¹⁾ Maximum overhang

⁽²⁾ Coolant pressure (PSI)

For tools, see pages: AVC-DDUNR/L-VH (95) • AVC-SDUCR/L-VH (95) • AVC-SVLCR/L-VH (95)

Bar Diameter	Minimum Length After Shortening	
DCONMS (Inch)	OAL 7D (Inch)	OAL 10D (Inch)
3.15	24.8	24.8

ISOTURN**WHISPERLINE**
ANTI-VIBRATION**AVC-DDUNR/L-VH**Interchangeable Boring Heads
Carrying 55° Rhombic Inserts

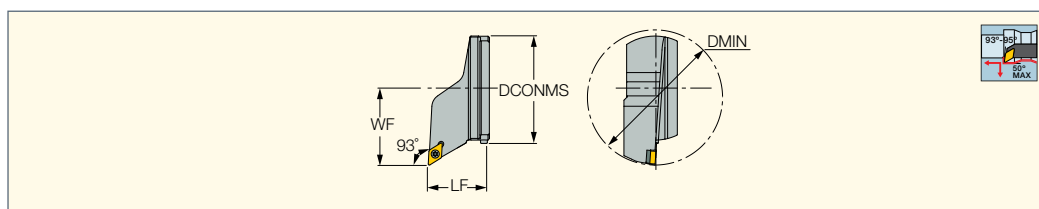
Designation	WF	DCONMS	DMIN	LF	MIID ⁽¹⁾
AVC-D80-DDUNR/L-15T-VH	2.244	3.031	3.937	1.811	DNMG 442-F3M

⁽¹⁾ Master insert identification

For inserts, see pages: DNGA-4 (CBN) (231) • DNGA-Ceramic (219) • DNMA (154) • DNMA (CBN) (230) • DNMG-F3M (149) • DNMG-F3P (148) • DNMG-F3S (150) • DNMG-GN (153) • DNMG-M3M (149) • DNMG-M3P (148) • DNMG-NF (151) • DNMG-NR (153) • DNMG-PF (152) • DNMG-WG (151) • DNMG/DNGG-PP (152) • DNMG/DNGG-TF (153) • DNMM-NM (154) • DNMM-R3P (154)

For holders, see pages: AV-D-VH (94)**Spare Parts**

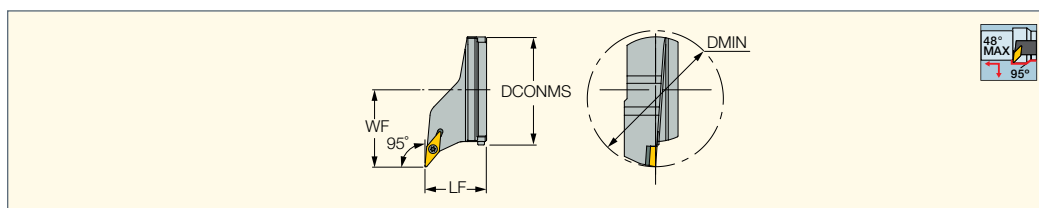
Designation								
AVC-D80-DDUNL-15T-VH	RDT 443	RDT 433	HW 3.0	SR 14-506 M4X0.7	T-15/5	DSP 4	DLS 4	DLM 4

ISOTURN**WHISPERLINE**
ANTI-VIBRATION**AVC-SDUCR/L-VH**Interchangeable Boring
Heads Carrying 55° Rhombic
Inserts with 7° Clearance

Designation	WF	DCONMS	DMIN	LF	MIID ⁽¹⁾
AVC-D80-SDUCR/L-11T-VH	2.244	3.031	3.937	1.772	DCMT 11T304

⁽¹⁾ Master insert identification

For inserts, see pages: DCET-WF (192) • DCGT-AF (213) • DCGT-AS (213) • DCGW/DCMW-2 (CBN) (233) • DCMT (CBN) (232) • DCMT (PCD) (224) • DCMT-14 (192) • DCMT-CERMET (188) • DCMT-F3P (186) • DCMT-M3M (186) • DCMT/DCGT (191) • DCMT/DCGT-PF (190) • DCMT/DCGT-SM (191)

For holders, see pages: AV-D-VH (94)**ISOTURN****WHISPERLINE**
ANTI-VIBRATION**AVC-SVLCR/L-VH**Interchangeable Boring
Heads Carrying 35° Rhombic
Inserts with 7° Clearance

Designation	WF	DCONMS	DMIN	LF	MIID ⁽¹⁾
AVC-D80-SVLCR/L-16T-VH	2.244	3.031	3.937	1.772	VCMT 160404

⁽¹⁾ Master insert identification

For inserts, see pages: VCGT (PCD) (225) • VCGT-AS (211) • VCGT-DW (PCD) (224) • VCGW-2 (CBN) (235) • VCMT (CBN) (224) • VCMT-14 (195) • VCMT-F3M (193) • VCMT-F3P (192) • VCMT-FPC-CERMET (193) • VCMT-M3M (193) • VCMT-SM (195) • VCMW (196)

For holders, see pages: AV-D-VH (94)**Spare Parts**

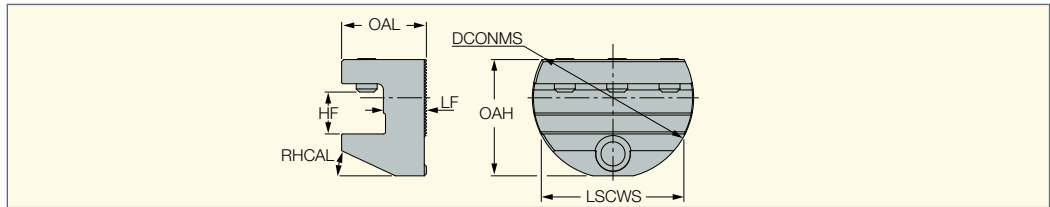
Designation				
AVC-SVLCR/L-VH	TVC 3-1P	SR 16-236 P	SR TC-3P	T-15/5

ISOTURN

WHISPERLINE
ANTI-VIBRATION

AVC-D80-VH

Perpendicular Adaptor for External Square-Shank Tools



Designation	LSCWS	OAH	DCONMS	LF	HF	OAL	RHCAL
AVC-D80-2020-80-VH	2.6693	2.185	3.031	.807	.787	1.594	25.0

For tools, see pages: BGTR/L-B-JHP (544) • DGTR/L (525) • DGTR/L-B-D-JHP-SL (523) • DGTR/L-B-D-SH (522) • DGTR/L-B-D-TR (526) • DGTR/L-B/BC-D (524) • DGTR/L-BC-T (526) • DGTR/L-XL (527) • DXJNR/L-X-JHP-MC (29) • GEHSR (397) • GHDR/L (short pocket) (285) • GHGR/L (287) • GHMPR/L (283) • GHMR/L (283) • GHMUR/L (315) • GHSLR/L-JHP-SL (399) • HELIR/L (272) • MVVNN (37) • PCHR/L-24 (325) • PCHR/L-24-JHP (326) • PCHR/L-34-JHP (328) • PCHR/L-D-IQ (581) • PCHR/L-D-JHP (582) • PCHRS/LS (327) • PCHRS/LS-17-JHP (319) • PHGR/L (318) • SCACR/L-S (54) • SDACR/L (59) • SGFFR/L (641) • SVACR/L (66) • SVANR/L-FS (34) • SXCNN (383) • TGDR/L (279) • TGTR/L-JHP (558)

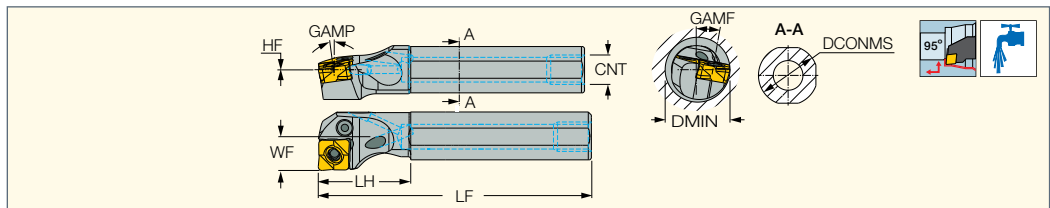
Spare Parts

Designation	
AVC-D80-VH	SR M10X16 DIN913

LOGIC4TURN
POSITIVE DOUBLE SIDED

A-PCLXR/L









Lever Lock Boring Bars Carrying Negative CXMG 80° Rhombic Inserts



Designation	DCONMS	LF	LH	WF	HF	GAMP	GAMF	DMIN	CNT	Insert
A-PCLXR/L 10-3X	.625	6.000	1.180	.433	0	8.0	10.0	.750	UNC 3/8"-16	CXMG 09..
A-PCLXR/L 12-3X	.750	7.000	1.180	.512	0	8.0	10.0	1.000	UNC 3/8"-16	CXMG 09..
A-PCLXR/L 16-3X	1.000	8.000	1.570	.640	0	5.0	8.0	1.250	UNC 1/2"-20	CXMG 09..
A-PCLXL 16-4X	1.000	8.000	1.570	.640	0	6.0	9.0	1.250	UNF-2B 1/2"-20	CXMG 12..
A-PCLXR 16-4X	1.000	8.000	1.570	.640	0	6.0	9.0	1.250	UNF-2B 1/2"-20	CXMG 12..
A-PCLXL 20-4X	1.250	12.000	1.900	.765	0	6.0	9.0	1.550	UNF-2B 1/2"-20	CXMG 12..
A-PCLXR 20-4X	1.250	12.000	1.900	.765	0	6.0	9.0	1.550	UNF-2B 1/2"-20	CXMG 12..
A-PCLXL 24-4X	1.500	14.000	1.970	.890	0	6.0	10.0	1.970	UNF-2B 1/2"-20	CXMG 12..
A-PCLXR 24-4X	1.500	14.000	1.970	.890	0	6.0	10.0	1.970	UNF-2B 1/2"-20	CXMG 12..

For inserts, see pages: CXMG-F3M (177) • CXMG-F3P (176) • CXMG-M3M (177) • CXMG-M3P (176)

Spare Parts

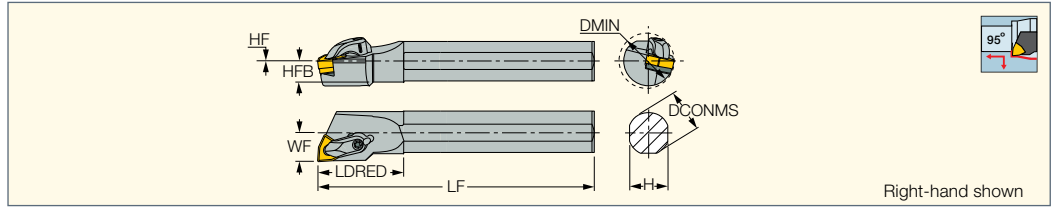
Designation								
A-PCLXL 10-3X	LR 3X SET	SR M6XL11.5V ^(a)	PL 062	T-8/5				
A-PCLXR 10-3X	LR 3X SET	SR M6XL11.5V ^(a)	PL 062	T-8/5				
A-PCLXL 12-3X	LR 3X SET	SR M6XL11.5V ^(a)	PL 075	T-8/5	HW 2.0			
A-PCLXR 12-3X	LR 3X SET	SR M6XL11.5V ^(a)	PL 075	T-8/5	HW 2.0			
A-PCLXL 16-3X	LR 3X SET	SR M6XL11.5V ^(a)	PL 100	T-8/5				
A-PCLXR 16-3X	LR 3X SET	SR M6XL11.5V ^(a)	PL 100	T-8/5				
A-PCLXL 16-4X	LR 4MX	SR 117-2010-S	PL 100		HW 3.0			
A-PCLXR 16-4X	LR 4MX	SR 117-2010-S	PL 100		HW 3.0			
A-PCLXL 20-4X	LR 4MX	SR 117-2010-S	PL 125		HW 3.0			
A-PCLXR 20-4X	LR 4MX	SR 117-2010-S	PL 125		HW 3.0			
A-PCLXL 24-4X	LR 4X	SR LCS 5	PL 150		HW 3.0	TCNX 423	PN 3-4	SP 4
A-PCLXR 24-4X	LR 4X	SR LCS 5	PL 150		HW 3.0	TCNX 423	PN 3-4	SP 4

^(a) Recommended Torque limit: 11.5 lbf*in

ISOTURN

S-DWLNR/L

R-Clamp Boring Bars Carrying Negative Trigon Inserts



Designation	DCONMS	LF	LDRED	H	HFB	WF	DMIN	GAMP	GAMF
S-DWLNR 20-4	1.250	14.000	2.160	1.140	.620	.760	1.450	-6.0	-10.0
S-DWLNR 24-4	1.500	14.000	2.160	1.420	.740	1.000	1.700	-6.0	-10.0
S-DWLNR 32-4	2.000	16.000	2.550	1.890	1.000	1.280	2.330	-6.0	-10.0

For inserts, see pages: WNMG-CERMET (126) • WNMG-F3S (129) • WNMG-F3P (125) • WNMG-M3P (126) • WNMG-F3M (128) • WNMG-M3M (129) • WNMG-TF (132) • WNMG-GN (133) • WNMG-NR (133) • WNMG-PP (132) • WNMG-VL (131) • WNMG-TNM (134) • WNMG-NF (130) • WNMG-NM (133) • WNMG-WF (131) • WNMA/WNMA-WG (134) • WNMG-WG (131) • WNGA-Ceramic (216) • WNGA-M3 (CBN) (226) • WNGA-MC/M6 (CBN) (226)

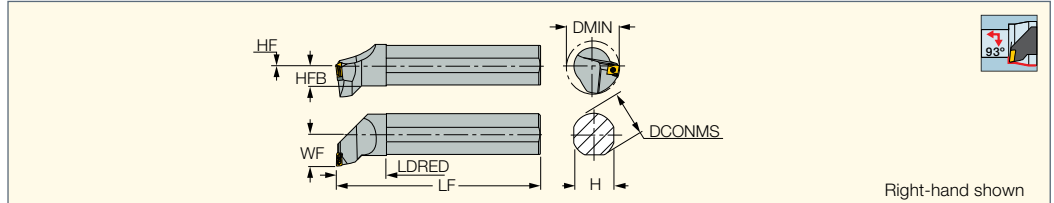
Spare Parts

Designation					
S-DWLNR/L	TWN 423	SP 4	LCGR-4	SR 10400270-25.5	T-15/5

HELI TURN

S-SLANR/L-TANG

Boring Bars Carrying LNMX Tangentially Screw Clamped Inserts with 4 Cutting Edges for High Metal Removal Rates



Designation	DCONMS	LF	LDRED	H	HFB	WF	DMIN	GAMP	GAMF	Insert
S-SLANR/L 20-11 TANG	1.250	14.000	1.970	1.171	.040	.870	2.087	-6.0	-15.0	LNMX 1104..

• Right-hand inserts for left-hand bars. Left-hand inserts for right-hand bars.

For inserts, see pages: LNMX-HM (174) • LNMX-HT (173)

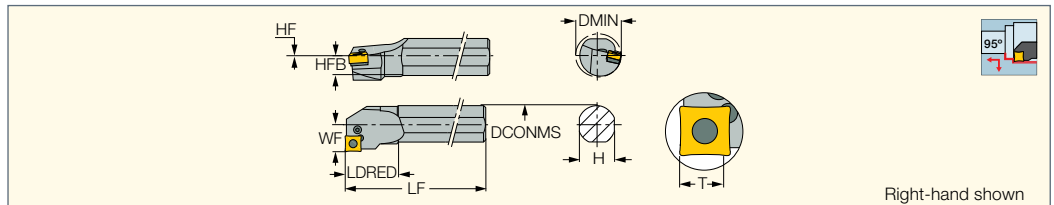
Spare Parts

Designation						
S-SLANR/L-TANG	TLN 11R/L-HT	SR RS4	T-6/5	SR 34-550-C	BLD T10/S7	SW6-SD

ISOTURN

S-PQLNR

Lever Lock Boring Bars for Negative Square Inserts with 80° Corners



Designation	DCONMS	LF	LDRED	H	HFB	WF	T	DMIN	GAMP	GAMF	Insert
S-PQLNR 12-3	.750	10.000	1.500	.670	.340	.500	.315	1.000	-6.0	-12.0	QNMG 3..

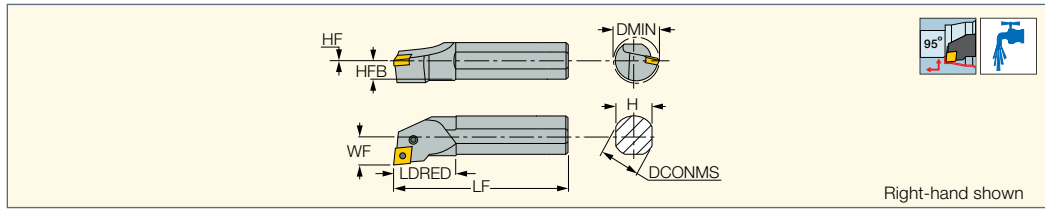
For inserts, see pages: QNMG-GN (176) • QNMG-PP (175) • QNMG-TF (175)

Spare Parts

Designation			
S-PQLNR	LR 3S	SR 117-2016	HW 2.0

HELITURN LD

A-PCLNR/L-X/G
Lever Lock Boring Bars
for CNMX Inserts



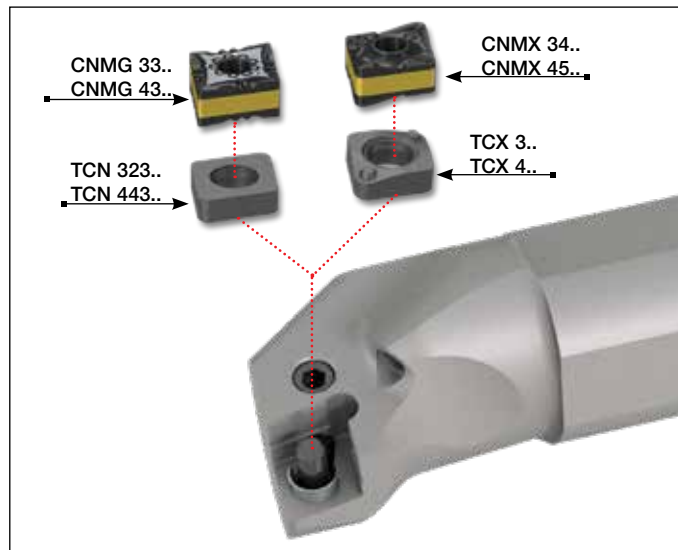
Designation	DCONMS	LF	LDRED	H	HFB	WF	GAMP	GAMF	DMIN	Insert
A-PCLNR/L 10-3G ⁽¹⁾	.625	6.000	1.181	.570	.285	.430	-12.0	-16.0	.830	CNMG 33.
A-PCLNR/L 12-3G ⁽¹⁾	.750	7.000	1.181	.680	.340	.500	-6.0	-15.0	1.000	CNMG 33.
A-PCLNR/L 16-3X ⁽²⁾	1.000	8.000	1.378	.920	.460	.640	-6.0	-15.0	1.250	CNMX 34. CNMG 33.
A-PCLNR/L 20-3X ⁽²⁾	1.250	10.000	1.575	1.142	.571	.770	-6.0	-13.0	1.551	CNMX 34. CNMG 33.
A-PCLNR/L 16-4X ⁽³⁾	1.000	12.000	2.000	.910	.450	.650	-7.0	-14.0	1.970	CNMX 45. CNMG 43.
A-PCLNR/L 20-4X ⁽³⁾	1.250	12.000	2.000	1.140	.570	.760	-6.0	-13.0	2.130	CNMX 45. CNMG 43.
A-PCLNR/L 24-4X ⁽³⁾	1.500	14.000	2.000	1.417	.700	.890	-6.0	-12.0	2.360	CNMX 45. CNMG 43.
A-PCLNR 32-4X ⁽³⁾	2.000	16.000	2.480	1.890	.940	1.280	-6.0	-12.0	2.560	CNMX 45. CNMG 43.

⁽¹⁾ For CNMG 33.. inserts only

⁽²⁾ Supplied with TCX 3 seat for CNMX 34. inserts and TCN 323 seat for CNMG 33. inserts

⁽³⁾ Supplied with TCX 4 seat for CNMX 45. inserts and TCN 443 seat for CNMG 43. inserts

For inserts, see pages: CNGA-J(CBN) (228) • CNGG-F3N (208) • CNGG-J(CBN) (229) • CNMG-M3N (209) • CNMG-CERMET (136) • CNMG-F3S (139) • CNMX-M3/4MW (144) • CNMX-M3/4PW (144) • CNMG-F3P (135) • CNMG-M3P (136) • CNMG-F3M (138) • CNMG-M3M (138) • CNGA-2 (CBN) (228) • CNGA-4 (CBN) (227) • CNGA-Ceramic (217) • CNGG-M4HF/M4HM (CBN) (228) • CNMA (141) • CNMA (PCD) (223) • CNMA-MW4 (CBN) (227) • CNMA-T/M1/WG (CBN) (226) • CNMG-Ceramic (217) • CNMG-GN (143) • CNMG-NF (140) • CNMG-NR (143) • CNMG-VL (139) • CNMG-WF (140) • CNMG-WG/NRW (141) • CNMG/CNGG-PP (142) • CNMG/CNGG-SF (140) • CNMG/CNGG-TF (142) • CNMM-R3P (145) • CNMS-12 (214)



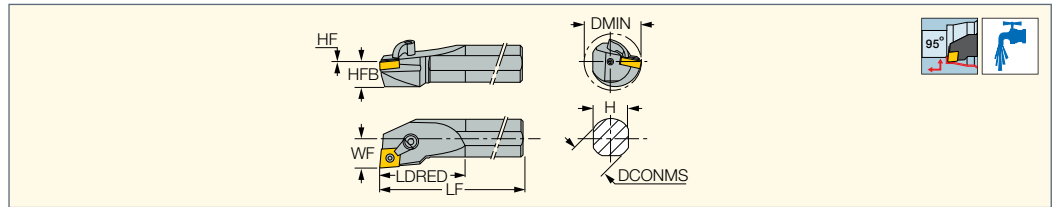
Spare Parts

Designation									
A-PCLNL 10-3G					LR 3S	SR 117-2009	HW 2.0	PL 062	
A-PCLNR 10-3G					LR 3S	SR 117-2009	HW 2.0	PL 062	
A-PCLNL 12-3G					LR 3S	SR 117-2009	HW 2.0	PL 075	
A-PCLNR 12-3G					LR 3S	SR 117-2009	HW 2.0	PL 075	
A-PCLNL 16-3X	TCX 3 ^(a)	TCN 323	SP 3	PN 3-4	LR 3	SR 117-2014	HW 2.5	PL 100	
A-PCLNR 16-3X	TCX 3 ^(a)	TCN 323	SP 3	PN 3-4	LR 3	SR 117-2014	HW 2.5	PL 100	
A-PCLNL 20-3X	TCX 3 ^(a)	TCN 323	SP 3	PN 3-4	LR 3	SR 117-2014	HW 2.5	PL 125	
A-PCLNR 20-3X	TCX 3 ^(a)	TCN 323	SP 3	PN 3-4	LR 3	SR 117-2014	HW 2.5	PL 125	
A-PCLNR 16-4X	TCX 4	TCN 443	SP 4	PN 3-4L	LR 4DH	SR 117-2010	HW 3.0	PL 100	LR 4DHTL (MR INJ)*
A-PCLNL 20-4X	TCX 4	TCN 443	SP 4	PN 3-4L	LR 4DH	SR 117-2010	HW 3.0	PL 125	LR 4DHTL (MR INJ)*
A-PCLNR 20-4X	TCX 4	TCN 443	SP 4	PN 3-4L	LR 4DH	SR 117-2010	HW 3.0	PL 125	LR 4DHTL (MR INJ)*
A-PCLNL 24-4X	TCX 4	TCN 443	SP 4	PN 3-4L	LR 4DH	SR 117-2010	HW 3.0	PL 150	LR 4DHTL (MR INJ)*
A-PCLNR 24-4X	TCX 4	TCN 443	SP 4	PN 3-4L	LR 4DH	SR 117-2010	HW 3.0	PL 150	LR 4DHTL (MR INJ)*
A-PCLNR 32-4X	TCX 4	TCN 443	SP 4	PN 3-4L	LR 4DH	SR 117-2010	HW 3.0	PL 150	LR 4DHTL (MR INJ)*

^(a) For CNMX 0906.. (CNMX 34.) inserts

A-MCLNR/L

Comlock Boring Bars for
Negative 80° Diamond Inserts



Designation	DCONMS	WF	LF	LDRED	H	HFB	DMIN	GAMP	GAMF
A-MCLNR/L 16-4	1.000	.640	12.000	1.570	.906	.453	1.400	-6.0	-12.0
A-MCLNR 20-4	1.250	.770	12.000	-	1.142	.571	1.530	-5.0	-12.0

For inserts, see pages: CNGA-J(CBN) (228) • CNGG-J(CBN) (229) • CNMG-CERMET (136) • CNMG-F3S (139) • CNMG-F3P (135) • CNMG-M3P (136) • CNMM-R3P (145) • CNMM-M4PW (145) • CNMG-F3M (138) • CNMG-M3M (138) • CNMG/CNGG-TF (142) • CNMG-GN (143) • CNMG-NR (143) • CNMG/CNGG-PP (142) • CNMG-VL (139) • CNMG/CNGG-SF (140) • CNMG-NF (140) • CNMG-WF (140) • CNMG-WG/NRW (141) • CNMA (141) • CNGA-Ceramic (217) • CNMG-Ceramic (217) • CNGA-2 (CBN) (228) • CNGA-4 (CBN) (227) • CNGG-M4HF/M4HM (CBN) (228) • CNMA-MW4 (CBN) (227) • CNMA-T/M1/WG (CBN) (226) • CNMA (PCD) (223)

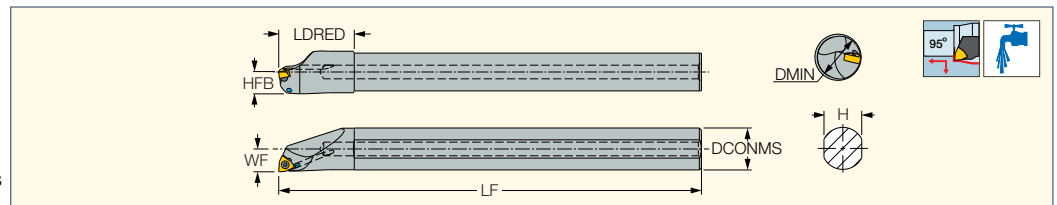
Spare Parts

Designation						
A-MCLNL 16-4		NL 44 PIN	HW 3/32"	CL 20	XNS 47	HW 1/8"
A-MCLNR 16-4		NL 44 PIN	HW 3/32"	CL 20	XNS 47	HW 1/8"
A-MCLNR 20-4	ICSN 433	NL 46	HW 3/32"	CL 20	XNS 47	HW 1/8"

MINIPTURN
POSITIVE DOUBLE SIDED

A/E-SWLNR/L-04

Boring Bars Carrying
WNGP 0403.. Double-Sided
Trigon Inserts for Small Diameters



Designation	DCONMS	LF	LDRED	H	HFB	WF	DMIN	Insert
A10K SWLNR/L-04	.394	4.921	.787	.354	.217	.236	.472	WNGP 04
A12M SWLNR/L-04	.472	5.906	.945	.433	.256	.276	.551	WNGP 04
A16Q SWLNR/L-04	.630	7.087	1.260	.591	.335	.354	.709	WNGP 04
A20R SWLNR/L-04	.787	7.874	1.417	.709	.413	.433	.866	WNGP 04
E10M SWLNR/L-04	.394	5.906	.984	.354	.217	.236	.472	WNGP 04
E12Q SWLNR/L-04	.472	7.087	1.063	.433	.256	.276	.551	WNGP 04
E16R SWLNR/L-04	.630	7.874	1.260	.591	.335	.354	.709	WNGP 04
E20S SWLNR/L-04	.787	9.843	1.417	.709	.413	.433	.866	WNGP 04

• Use left-hand inserts on right-hand bars and vice versa. • A - steel shank with coolant hole, E - carbide shank with coolant hole.

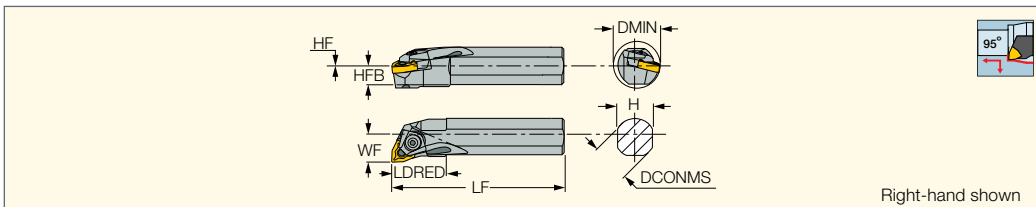
For inserts, see pages: WNGP-F2M (128) • WNGP-F2P (125)

Spare Parts

Designation	
A/E-SWLNR/L-04	SR 34-514



A/S-MWLNR/L-W
Top Wedge Lock Boring Bars
Carrying Double-Sided
Trigon Inserts



Right-hand shown

Designation	DCONMS	LF	LDRED	WF	H	HFB	DMIN	GAMP	GAMF	Insert	CSP ⁽¹⁾
A-MWLNR/L 12-3W	.750	10.000	1.100	.500	.670	.340	1.000	-6.0	-10.0	WNMG 3..	1
A-MWLNR/L 16-3W	1.000	12.000	1.380	.640	.910	.460	1.180	-6.0	-14.0	WNMG 3..	1
A-MWLNR 20-3W	1.250	14.000	1.570	.770	1.140	.570	1.460	-6.0	-10.0	WNMG 3..	1
S-MWLNR/L 12-3W	.750	10.000	1.100	.500	.670	.340	1.000	-6.0	-10.0	WNMG 3..	0
S-MWLNR/L 16-3W	1.000	12.000	1.380	.640	.910	.460	1.180	-6.0	-14.0	WNMG 3..	0
S-MWLNR 20-3W	1.250	14.000	1.570	.770	1.140	.570	1.460	-6.0	-10.0	WNMG 3..	0
A-MWLNR/L 16-4W	1.000	12.000	1.380	.640	.910	.460	1.220	-6.0	-12.0	WNMG 43..	1
A-MWLNR 20-4W	1.250	14.000	1.770	.770	1.140	.571	1.460	-6.0	-12.0	WNMG 43..	1
A-MWLNR/L 24-4W	1.500	14.000	2.160	.890	1.420	.720	1.760	-6.0	-10.0	WNMG 43..	1
S-MWLNR/L 16-4W	1.000	12.000	1.380	.640	.910	.460	1.220	-6.0	-12.0	WNMG 43..	0
S-MWLNR/L 20-4W	1.250	14.000	1.770	.770	1.140	.580	1.460	-6.0	-12.0	WNMG 43..	0
S-MWLNL 24-4W	1.500	14.000	1.970	.890	1.420	.720	1.760	-6.0	-10.0	WNMG 43..	0
S-MWLNR 24-4W	1.500	14.000	2.160	.890	1.420	.720	1.760	-6.0	-10.0	WNMG 43..	0
S-MWLNR 32-6W	2.000	16.000	2.480	1.280	1.890	.940	2.362	-6.0	-12.0	WNMG 64..	0

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

For inserts, see pages: WNMG-F3S (129) • WNMG-F3P (125) • WNMG-M3P (126) • WNMG-F3M (128) • WNMG-M3M (129) • WNMG-TF (132)
• WNMG-GN (133) • WNMG-NR (133) • WNMG-PP (132) • WNMG-VL (131) • WNMG-TNM (134) • WNMG-SF (130) • WNMG-NF (130) • WNMM-NM (133)
• WNMG-WF (131) • WNMA/WNMA-WG (134) • WNMG-WG (131) • WNGA-Ceramic (216) • WNGA-M3 (CBN) (226) • WNGA-MC/M6 (CBN) (226)
• WNMG-CERMET (126) • WNGG-F3N (208)

Spare Parts

Designation									
A-MWLNL 12-3W			ZNW 3WI	LC 250 SET 1				HW 2.5	PL 075
A-MWLNR 12-3W			ZNW 3WI	LC 250 SET 1				HW 2.5	PL 075
A-MWLNL 16-3W	IWSN 322W	IWSN 3-2W ^{(a)*}	ZNW 3W	LC 250 SET 1				HW 2.5	PL 100
A-MWLNR 16-3W	IWSN 322W	IWSN 3-2W ^{(a)*}	ZNW 3W	LC 250 SET 1				HW 2.5	PL 100
A-MWLNR 20-3W	IWSN 322W	IWSN 3-2W ^{(a)*}	ZNW 3W	LC 250 SET 1				HW 2.5	PL 125
S-MWLNL 12-3W			ZNW 3WI	LC 250 SET 1				HW 2.5	
S-MWLNR 12-3W			ZNW 3WI	LC 250 SET 1				HW 2.5	
S-MWLNL 16-3W	IWSN 322W	IWSN 3-2W ^{(a)*}	ZNW 3W	LC 250 SET 1				HW 2.5	
S-MWLNR 16-3W	IWSN 322W	IWSN 3-2W ^{(a)*}	ZNW 3W	LC 250 SET 1				HW 2.5	
S-MWLNR 20-3W	IWSN 322W	IWSN 3-2W ^{(a)*}	ZNW 3W	LC 250 SET 1				HW 2.5	
A-MWLNL 16-4W	TWN 423		ZNW-4WI	LC 252 SET 2				HW 3.0	PL 100
A-MWLNR 16-4W	TWN 423		ZNW-4WI	LC 252 SET 2				HW 3.0	PL 100
A-MWLNR 20-4W	TWN 423		ZNW-4WI	LC 252 SET 1				HW 3.0	PL 125
A-MWLNL 24-4W	TWN 423		ZNW-4WI	LC 252 SET 1				HW 3.0	PL 150
A-MWLNR 24-4W	TWN 423		ZNW-4WI	LC 252 SET 1				HW 3.0	PL 150
S-MWLNL 16-4W	TWN 423		ZNW-4WI	LC 252 SET 2				HW 3.0	
S-MWLNR 16-4W	TWN 423		ZNW-4WI	LC 252 SET 2				HW 3.0	
S-MWLNL 20-4W	TWN 423		ZNW-4WI	LC 252 SET 1				HW 3.0	
S-MWLNR 20-4W	TWN 423		ZNW-4WI	LC 252 SET 1				HW 3.0	
S-MWLNL 24-4W	TWN 423		ZNW-4WI	LC 252 SET 1				HW 3.0	
S-MWLNR 24-4W	TWN 423		ZNW-4WI	LC 252 SET 1				HW 3.0	
S-MWLNR 32-6W	IWSN 635		ZNW 6W	LC 253	SPR 17-362	WA M8	SR 17-362	HW 4P	

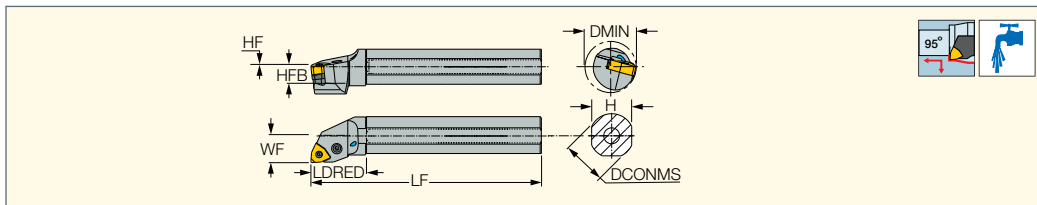
* Optional, should be ordered separately

(a) Use IWSN 3-2W optional seat for WNMG 33. inserts



HELITURN LD

A-PWLNLR/L-X/G
Lever Lock Boring Bars
with Coolant Holes Carrying
HELITURN LD WNMX or
WNMG Trigon Inserts



Designation	DCONMS	H	HFB	LF	LH	WF	GAMP	GAMF	DMIN	Insert
A-PWLNLR/L 10-3G ⁽¹⁾	.625	.570	.285	6.000	1.300	.430	-12.0	-16.0	.780	WNMG 33.
A-PWLNLR/L 12-3G ⁽¹⁾	.750	.680	.340	10.000	1.200	.500	-6.0	-14.0	1.000	WNMG 33.
A-PWLNLR/L 16-3G ⁽¹⁾	1.000	.920	.460	8.000	1.500	.640	-6.0	-14.0	1.250	WNMG 33.
A-PWLNLR/L 20-3G ⁽¹⁾	1.250	1.140	.570	14.000	1.570	.770	-6.0	-12.0	1.550	WNMG 33.
A-PWLNLR 16-4X ⁽²⁾	1.000	.905	.452	12.000	2.000	.650	-7.0	-14.0	1.970	WNMX 45. WNMG 43.
A-PWLNLR 20-4X ⁽²⁾	1.250	1.140	.570	12.000	2.000	.770	-6.0	-13.0	2.126	WNMX 45. WNMG 43.

⁽¹⁾ For WNMG 33.. inserts only

⁽²⁾ Supplied with TWX 4 seat for WNMX 45. inserts and TWN 443 seat for WNMG 43. inserts

For inserts, see pages: WNGG-F3N (208) • WNMA/WNMA-WG (134) • WNMG-F3M (128) • WNMG-F3P (125) • WNMG-F3S (129) • WNMG-GN (133)
• WNMG-M3M (129) • WNMG-M3P (126) • WNMG-NF (130) • WNMG-PP (132) • WNMG-TF (132) • WNMG-WF (131) • WNMG-WG (131) • WNMX-M3/4MW (135)
• WNMX-M3/4PW (135)

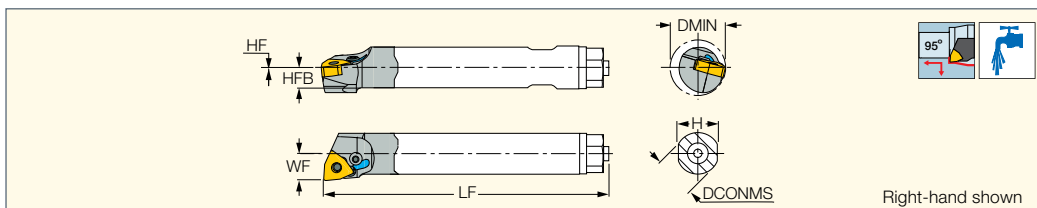
Spare Parts

Designation										
A-PWLNLR 10-3G				LR 3S	SR 117-2009	HW 2.0			PL 062	
A-PWLNLR 12-3G				LR 3S	SR 117-2009	HW 2.0			PL 075	
A-PWLNLR 16-3G				LR 3S	SR 117-2009	HW 2.0			PL 100	
A-PWLNLR 20-3G				LR 3S	SR 117-2009	HW 2.0			PL 125	
A-PWLNLR 16-4X	TWX 4	TWN 443	SP 3	LR 3W	SR 117-2014	HW 2.5	PN 3-4		PL 100	LR 4DHTL (MR INJ)*
A-PWLNLR 20-4X	TWX 4	TWN 443	SP 3	LR 3W	SR 117-2014	HW 2.5	PN 3-4		PL 125	LR 4DHTL (MR INJ)*

* Optional, to be ordered separately

ISOTURN

E-PWLNLR-HEAD
Lever Lock Interchangeable
Boring Heads for Negative
WNMG Trigon Inserts, Clamped
on a Solid Carbide Shank



Designation	DCONMS	LF	LDRED	H	HFB	WF	GAMP	GAMF	DMIN
E-PWLNLR 10-3 HEAD	.625	7.000	1.170	.590	.295	.430	-6.0	-14.0	.866

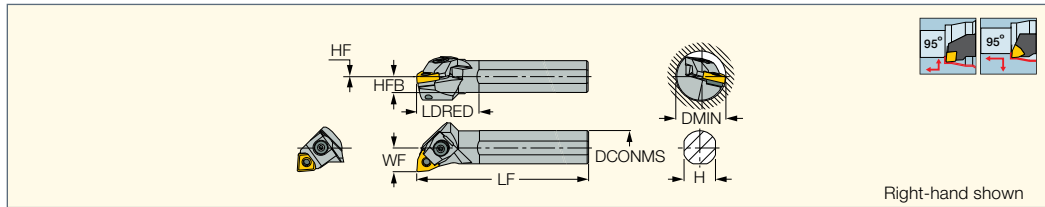
For inserts, see pages: WNMG-CERMET (126) • WNMG-M3P (126) • WNMG-TF (132) • WNMG-GN (133) • WNMG-PP (132) • WNMG-VL (131)
• WNMG-SF (130) • WNMG-NF (130) • WNMA/WNMA-WG (134) • WNMG-WG (131)

Spare Parts

Designation			
E-PWLNLR-HEAD	LR 3S	SR 117-2009	HW 2.0/5

MULTI-WEDGE

S/A-MULNR/L-MW
MULTI-WEDGE Lock, Boring
Bars for Negative 80° Rhombic,
Trigon and Square Inserts



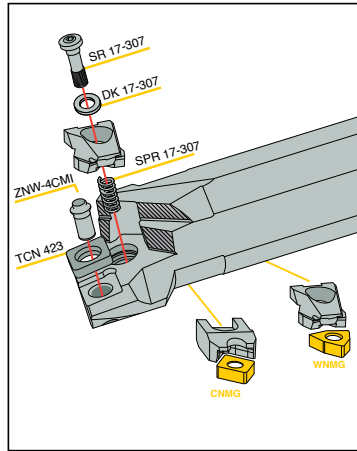
Designation	DCONMS	LF	LDRED	H	HFB	WF	DMIN	GAMP	GAMF	CSP ⁽¹⁾
A-MULNR/L 20-4MW	1.250	14.000	1.730	1.142	.571	.770	1.496	6.0	12.0	1

• Only LC WN08 is supplied with the boring bar. The other wedge should be ordered separately. • R.H. wedge for R.H. tool, L.H. wedge for L.H. tool.

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

- For inserts, see pages:** CNGA-J(CBN) (228) • CNGG-J(CBN) (229) • CNMG-CERMET (136) • CNMG-F3S (139) • WNMG-CERMET (126) • WNMG-F3S (129) • WNMG-F3P (125) • WNMG-M3P (126) • WNMG-F3M (128) • WNMG-M3M (129) • WNMG-TF (132) • WNMG-GN (133) • WNMG-NR (133) • WNMG-PP (132) • WNMG-VL (131) • WNMG-TNM (134) • WNMG-NF (130) • WNMM-NM (133) • WNMG-WF (131) • WNMA/WNMA-WG (134) • WNMG-WG (131) • WNGA-Ceramic (216) • WNGA-M3 (CBN) (226) • WNGA-MC/M6 (CBN) (226) • CNMG-F3P (135) • CNMG-M3P (136) • CNMM-R3P (145) • CNMM-M4PW (145) • CNMG-F3M (138) • CNMG-M3M (138) • CNMG/CNGG-TF (142) • CNMG-GN (143) • CNMG-NR (143) • CNMG/CNGG-PP (142) • CNMG-VL (139) • CNMG/CNGG-SF (140) • CNMG-NF (140) • CNMG-WF (140) • CNMG-WG/NRW (141) • CNMA (141) • CNGA-Ceramic (217) • CNMG-Ceramic (217) • CNGA-2 (CBN) (228) • CNGA-4 (CBN) (227) • CNGG-M4HF/M4HM (CBN) (228) • CNMA-MW4 (CBN) (227) • CNMA-T/M1/WG (CBN) (226) • CNMA (PCD) (223)

Toolholder Options

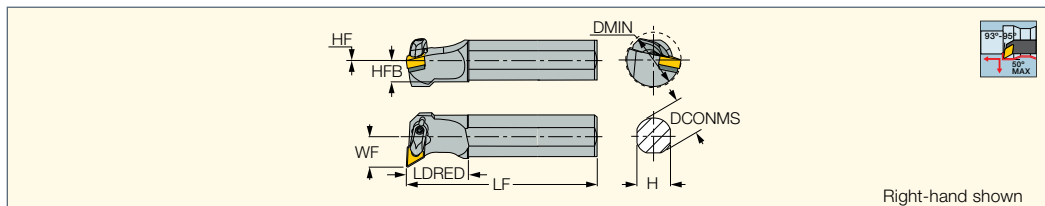


Spare Parts

Designation								
S/A-MULNR/L-MW	TCN 423	ZNW 4CMI	LCR/L CN12	SPR 17-307	DK 17-307	SR 17-307	HW 3.0	PL 125

ISOTURN

S-DDUNR
R-Clamp Boring Bars, for ISO
Negative DNMG Inserts



Designation	DCONMS	LF	LDRED	H	HFB	WF	DMIN	GAMP	GAMF
S-DDUNR 20-4	1.250	14.000	1.770	1.140	.620	.880	1.654	-6.0	-10.0

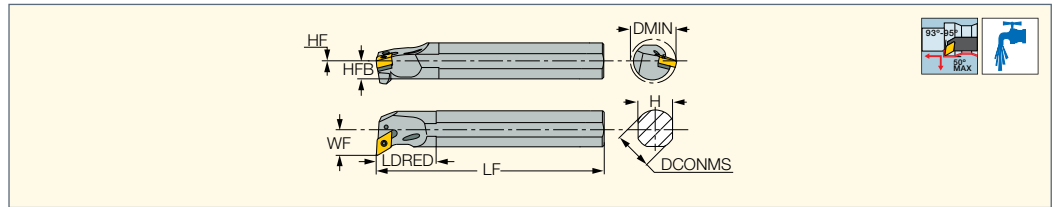
- For inserts, see pages:** DNMA-J(CBN) (232) • DNMG-F3S (150) • DNMG-F3P (148) • DNMG-M3P (148) • DNMG-F3M (149) • DNMG-M3M (149) • DNMG/DNGG-TF (153) • DNMG-GN (153) • DNMG/DNGG-PP (152) • DNMG-VL (152) • DNMG-NF (151) • DNMG-WG (151) • DNMA (154) • DNMA-Ceramic (219) • DNMA-2 (CBN) (231) • DNMA-4 (CBN) (231) • DNGG-M4HF/M4HM (CBN) (232) • DNMA (CBN) (230) • DNMG-CERMET (150)

Spare Parts

Designation					
S-DDUNR	TDN 422	SP 4	LCGR-4	SR 10400270-25.5	T-15/5

A-PDUNR/L

Lever Lock Boring Bars for 55° Negative Rhombic Inserts



Designation	DCONMS	LF	LDRED	H	HFB	WF	GAMP	GAMF	DMIN	Insert
A-PDUNR/L 20-4	1.250	12.000	1.874	29.000	14.500	1.000	-6.0	-13.0	42.000	DNMG 4..
A-PDUNL 24-4	1.500	12.000	2.244	1.338	.669	1.060	-6.0	-12.0	47.000	DNMG 4..
A-PDUNR 24-4	1.500	12.000	2.244	34.000	17.000	1.060	-6.0	-12.0	47.000	DNMG 4..
A-PDUNR/L 32-4	2.000	14.000	2.992	46.000	23.000	1.380	-6.0	-9.0	61.000	DNMG 4..

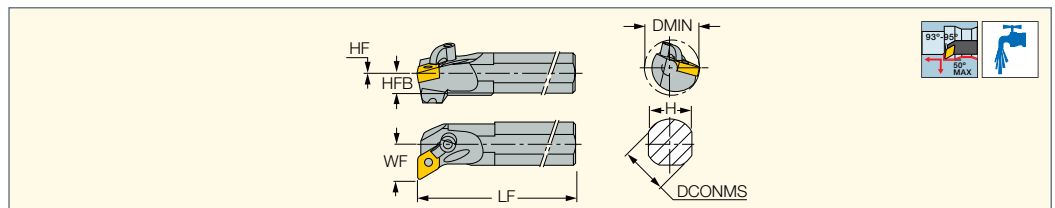
For inserts, see pages: DNGA-J(CBN) (232) • DNMG-CERMET (150) • DNMG-F3S (150) • DNMG-F3P (148) • DNMG-M3P (148) • DNMX-M3P (155) • DNMM-R3P (154) • DNMG-F3M (149) • DNMG-M3M (149) • DNMM-NM (154) • DNMG/DNGG-TF (153) • DNMG-GN (153) • DNMG-NR (153) • DNMG/DNGG-PP (152) • DNMG-VL (152) • DNMG-PF (152) • DNMG/DNGG-SF (151) • DNMG-NF (151) • DNMG-WG (151) • DNMS-12 (214) • DNMA (154) • DNGA-Ceramic (219) • DNGA-4 (CBN) (231) • DNMA (CBN) (230)

Spare Parts

Designation								
A-PDUNR/L 20-4	TDN 432	SP 4	LR 4D	SR 117-2010	HW 3.0	PL 125	SR M6X6 DIN913 TL360	PN 3-4
A-PDUNR/L 24-4	TDN 432	SP 4	LR 4D	SR 117-2010	HW 3.0	PL 150	SR M8X6 DIN913 TL360	PN 3-4
A-PDUNR/L 32-4	TDN 432	SP 4	LR 4D	SR 117-2010	HW 3.0	PL 150	SR M8X6 DIN913 TL360	PN 3-4

A-MDUNR/L

Clamp Lock Boring Bars with Coolant Holes for Negative 55° Inserts



Designation	DCONMS	WF	LF	LDRED	HFB	DMIN	GAMP	GAMF
A-MDUNR/L 12-3	.750	.630	8.000	1.380	.343	1.160	-14.0	-6.0
A-MDUNR/L 16-3	1.000	.670	10.000	1.580	.461	1.250	-13.0	-6.0
A-MDUNR 20-3	1.250	.880	12.000	1.770	.571	1.580	-11.0	-6.0

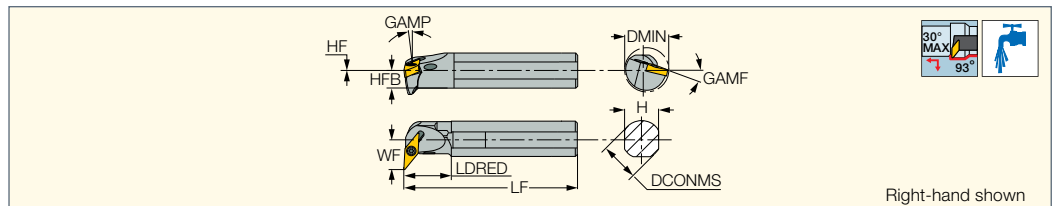
For inserts, see pages: DNGG-M3N (209) • DNMG-CERMET (150) • DNMG-F3S (150) • DNMG-F3P (148) • DNMG-M3P (148) • DNMG-F3M (149) • DNMG-M3M (149) • DNMG/DNGG-TF (153) • DNMG-GN (153) • DNMG/DNGG-PP (152) • DNMG-VL (152) • DNMG-PF (152) • DNMG/DNGG-SF (151) • DNMG-NF (151)

Spare Parts

Designation							
A-MDUNR/L 12-3		NL 34-L	CL 5	XNS 35 COM	HW 3/32"	HW 5/64"	PL 075
A-MDUNR/L 16-3	IDSN 322	NL 34-L	CL 5	XNS 35 COM	HW 3/32"	HW 5/64"	PL 100
A-MDUNR 20-3	IDSN 322	NL 34-L	CL 5	XNS 35 COM	HW 3/32"	HW 5/64"	PL 125

A-SVUNR/L

Boring Bars with Internal Coolant Holes Carrying 35° Negative Rhombic Inserts



Designation	DCONMS	H	HFB	WF	LF	LDRED	DMIN	GAMP	GAMF	MIID ⁽¹⁾			
A-SVUNR/L 12-2.5	.750	.677	.339	.630	7.000	1.200	1.040	-6.0	-14.0	VNMG 2.5-1-NF	SR 14-551	T-9/5	PL 075
A-SVUNR/L 16-2.5	1.000	.921	.461	.730	8.000	1.380	1.240	-6.0	-14.0	VNMG 2.5-1-NF	SR 14-551	T-9/5	PL 100
A-SVUNR/L 20-2.5	1.250	1.142	.571	.910	10.000	1.970	1.460	-6.0	-14.0	VNMG 2.5-1-NF	SR 14-551	T-9/5	PL 125

• For inserts with corner radius of .031" and larger, seat needs to be modified to ensure clearance.

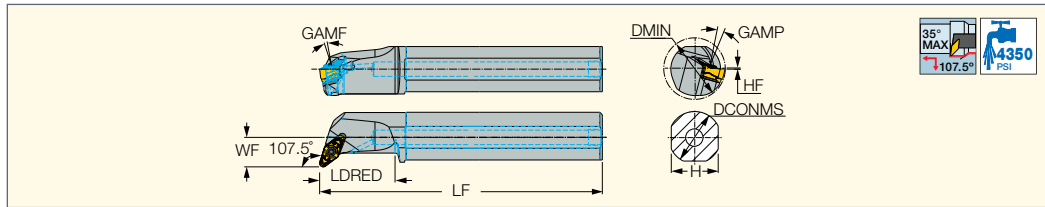
⁽¹⁾ Master insert identification

For inserts, see pages: VNMG-F3M (156) • VNMG-F3P (156) • VNMG-F3S (157) • VNMG-FNF-CERMET (157) • VNMG-M3M (156) • VNMG-SF (157) • VNMG/VNGG-NF (158) • VNMM-PP (158)

ISOTURN

A-SVQNR/L-AL-JHP

Screw Lock Boring Bars
Carrying 35° Rhombic Inserts



Designation	DCONMS	LF	LDRED	H	HF	WF	DMIN	GAMP	GAMF	MIID ⁽¹⁾
A-SVQNL 24-4-AL-JHP	1.500	13.705	2.36	1.417	.004	.921	1.929	6.5	14.5	VNGU 220630-R3N
A-SVQNR 24-4-AL-JHP	1.500	13.705	2.36	1.417	.004	.921	1.929	6.5	14.5	VNGU 220630-R3N

⁽¹⁾ Master insert identification

For inserts, see pages: VNGU-R3N (210)

Spare Parts

Designation									
A-SVQNR/L-AL-JHP	TVX 2230 ^(a)	SR TC-4	SW6-T-SH	BLD T20/S7	SR 14-591/L-SN	HW 3.0	PL 150	TVX 2212 ^{(b)*}	TVX 2216 ^{(c)*}

* Optional, to be ordered separately

^(a) For VNGU 220630-R3N insert

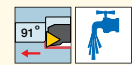
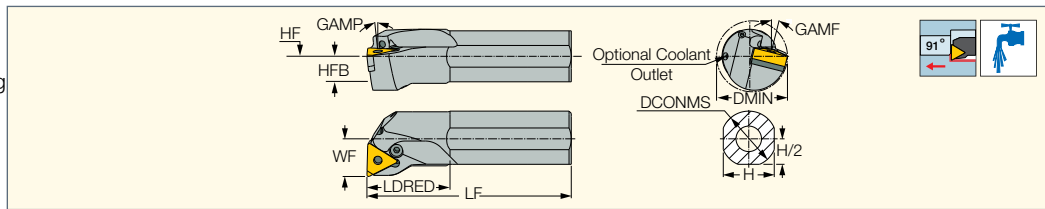
^(b) For VNGU 220612-R3N insert

^(c) For VNGU 220616-R3N insert

HELITURN LD

A-PTFNR/L-X/G

91° Lead Angle Lever Lock Boring Bars Carrying Negative TNMG or TNMG Triangular Inserts



Designation	DCONMS	LF	LDRED	H	HFB	WF	GAMP	GAMF	DMIN	Insert
A-PTFNR/L 10-3G	.630	6.000	1.100	.600	.300	.400	-12.0	-16.0	.780	TNMG 33.
A-PTFNR/L 12-3G	.750	7.000	1.100	.700	.300	.500	-6.0	-14.0	1.000	TNMG 33.
A-PTFNR/L 16-3X	1.000	8.000	1.500	.900	.500	.600	-6.0	-14.0	1.250	TNMX 34. TNMG 33.
A-PTFNR/L 20-3X	1.250	10.000	1.600	1.100	.600	.800	-6.0	-12.0	1.550	TNMX 34. TNMG 33.

• Use TTX 3 seat for TNMX 34. inserts and TTN 3 seat for TNMG 33. inserts

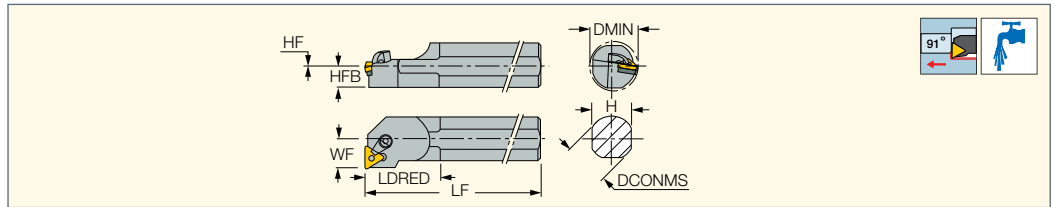
For inserts, see pages: TNGA-J(CBN) (236) • TNMG-F3S (161) • TNMX-M3/4PW (160) • TNMX-M3/4MW (161) • TNMG-F3P (159) • TNMG-M3P (159) • TNMG-F3M (160) • TNMG-M3M (160) • TNMG-FFG-CERMET (161) • TNGG-M3N (209) • TNMG-TF (162) • TNMG-GN (164) • TNMG/TNGG-PP (163) • TNMG-VL (163) • TNMG-PF (162) • TNMG-SF (162) • TNMG-NF (163) • TNMS-12 (214) • TNMA (164) • TNGA-Ceramic (220) • TNGA-M3 (CBN) (236) • TNGA-MC/M6 (CBN) (236) • TNMA (CBN) (235)

Spare Parts

Designation									
A-PTFNR/L 10-3G					LR 3S	SR 117-2009		HW 2.0	PL 062
A-PTFNR/L 12-3G					LR 3S	SR 117-2009	SR M4X4 DIN913 TL360	HW 2.0	PL 075
A-PTFNR/L 16-3X	TTX 3	TTN 3	SP 3	PN 3-4	LR 3	SR 117-2014	SR M4X4 DIN913 TL360	HW 2.5	PL 100
A-PTFNR/L 20-3X	TTX 3	TTN 3	SP 3	PN 3-4	LR 3	SR 117-2014	SR M4X4 DIN913 TL360	HW 2.5	PL 125

A-MTFNR

Comlock Boring Bars for Negative Triangular Inserts



Designation	DCONMS	WF	LF	DMIN	GAMP	GAMF	Insert
A-MTFNR 16-3	1.000	.640	10.000	1.280	-5.0	-12.0	TN..32..
A-MTFNR 24-4	1.500	1.030	14.000	2.062	-6.0	-12.0	TN..43..

For inserts, see pages: TNGA-J(CBN) (236) • TNGG-M3N (209) • TNMG-F3S (161) • TNMG-FFG-CERMET (161) • TNMG-F3P (159) • TNMG-M3P (159) • TNMG-F3M (160) • TNMG-M3M (160) • TNMG-TF (162) • TNMG-GN (164) • TNMM-NR (164) • TNMG/TNGG-PP (163) • TNMG-VL (163) • TNMG-PF (162) • TNMG-SF (162) • TNMG-NF (163) • TNMA (164) • TNGA-Ceramic (220) • TNGA-M3 (CBN) (236) • TNGA-MC/M6 (CBN) (236) • TNMA (CBN) (235)

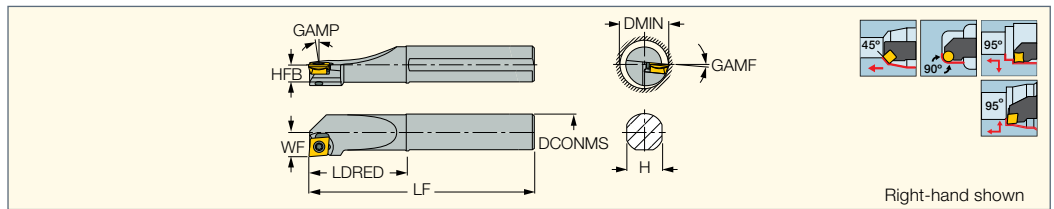
Spare Parts

Designation						
A-MTFNR 16-3	CL 7	XNS 35 COM				
A-MTFNR 24-4	CL 9	XNS 59 SCREW COM	HW 3/32"	NL 46	ITSN 434	HW 4.0

CHAMTURN

S-SUXCR/L-CM

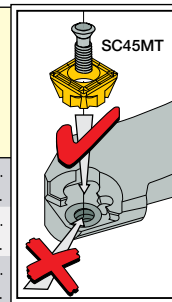
Screw Lock Boring Bars Carrying Four Different 7° Clearance Geometries



Designation	DCONMS	LF	LDRED	H	HFB	DMIN	GAMP	GAMF	WF
S-SUXCR 10-10 CM	.625	10.000	1.750	.590	.300	.780	0	-12.0	.406
S-SUXCR 12-10 CM	.750	10.000	2.000	.670	.340	1.000	0	-6.0	.500
S-SUXCR/L 16-10 CM	1.000	12.000	2.000	.910	.460	1.260	0	-4.0	.640

For inserts, see pages: CC95MT-SM (207) • SC45MT-SM (208)

Designation	DCONMS	LF	LDRED	H	HFB	DMIN	GAMP	GAMF	WF	Inserts
S-SUXCR 10-10 CM	.625	10.000	1.75	.590	.300	.780	0	-12	.406	CC95MT...
										.451
S-SUXCR 12-10 CM	.750	10.000	2.00	.670	.340	1.00	0	-6	.500	CC95MT...
										.545
S-SUXCR/L 16-10 CM	1.000	12.000	2.00	.910	.460	1.260	0	-4	.640	CC95MT...
										.685



Multifunction Tool Can Carry Two Different Inserts

- Unique, versatile ISCAR pocket
 - For external applications
 - Covers most common operations
 - Simplifies tool selection
 - Simple screw clamping
 - Minimum spare parts
- Clamping direction for SC45MT...

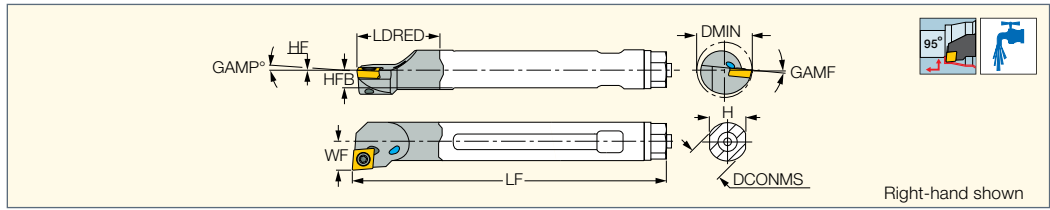
Spare Parts

Designation		
S-SUXCR/L-CM	SR 14-544/S	T-15/5

ISOTURN

E-SCLCR/L-HEAD



Screw Clamped Boring Heads
Carrying 80° Rhombic Inserts
with Positive 7° Clearance
Mounted on Carbide Bars



Designation	DCONMS	LF	LDRED	H	HFB	WF	GAMP	GAMF	DMIN	Insert
E-SCLCR/L 8-2 HEAD	.500	7.000	.980	.460	.230	.350	0	-7.0	.630	CCMT/CCGT 2
E-SCLCR 10-3 HEAD	.625	7.000	1.170	.590	.295	.430	0	-6.0	.787	CCMT/CCGT 3

For inserts, see pages: CCMT-CERMET (182) • CCMT-F3P (180) • CCMT-M3P (180) • CCMT-F3M (181) • CCMT-M3M (181) • CCMT-PF (183)
 • CCMT/CCGT-SM (182) • CCET-WF (184) • CCMT-WG (184) • CCGT-AS (212) • CCGT-AF (212) • CCMT-14 (183) • CCMT/CCGT (183) • CCGW/CCMT (CBN) (229)
 • CCGW/CCMW-2 (CBN) (230) • CCMT (PCD) (223)

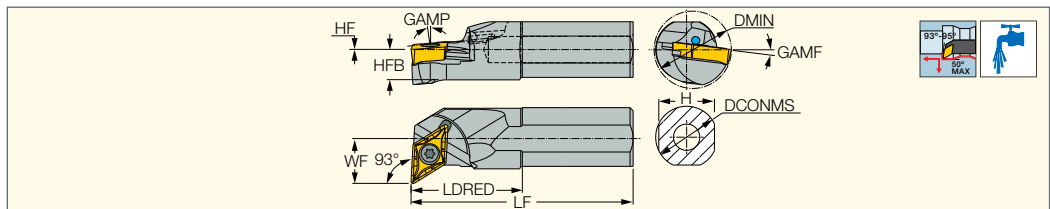
Spare Parts

Designation		
E-SCLCL 8-2 HEAD	SR 14-548	T-7/5
E-SCLCR 8-2 HEAD	SR 14-548	T-7/5
E-SCLCR 10-3 HEAD	SR 16-236	T-15/5

ISOTURN

A-SDUCR/L-13-SL




Boring Bars Carrying 55°
Rhombic Inserts with 7°
Clearance Angle for High Rigidity
in Profiling Applications



Designation	DCONMS	LF	LDRED	H	HFB	WF	DMIN	GAMP	GAMF	Shank m.	Insert
A-SDUCR/L 12-13-SL	.750	10.000	1.400	.670	.339	.570	1.000	0	-7.0	S	DCMT 13T5-SL
A-SDUCR/L 16-13-SL	1.000	12.000	1.800	.920	.460	.670	1.250	0	-6.0	S	DCMT 13T5-SL

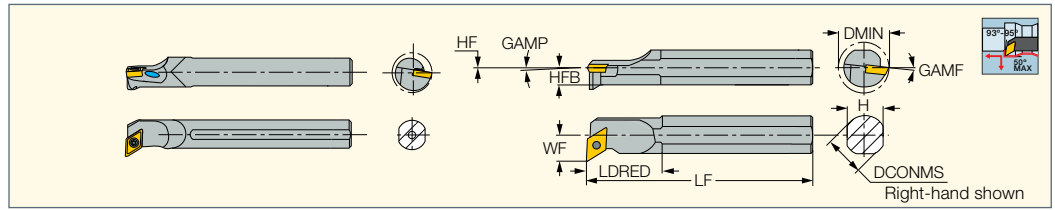
For inserts, see pages: DCMT-F3P-SL (185) • DCMT-M3M-SL (187) • DCMT-PF-SL (189) • DCMT-SM-SL (190)

Spare Parts

Designation			
A-SDUCR/L 12-13-SL	SR M4X0.7-L9.6 IP15	TORX PLUS IP15X45	PL 20
A-SDUCR/L 16-13-SL	SR M4X0.7-L9.6 IP15	TORX PLUS IP15X45	PL 25



A/E/S-SDUCR/L
Screw Lock Boring Bars
for 55° Rhombic Inserts
with 7° Clearance



Designation	DCONMS	WF	LF	LDRED	H	HFB	HF	DMIN	GAMP	GAMF	CSP ⁽¹⁾	Insert
A-SDUCR 6-2	.375	.406	5.000	.750	.350	.175	0	.625	3.0	-8.0	1	DC..2
A-SDUCR/L 8-2	.500	.406	5.000	1.000	.475	.237	0	.688	3.0	-6.0	1	DC..2
A-SDUCR 10-2	.625	.531	7.000	1.250	.600	.300	0	.875	0	-4.0	1	DC..2
E-SDUCR 6-2	.375	.350	6.000	-	.330	.165	0	.562	3.0	-9.0	1	DC..2
E-SDUCR 8-2	.500	.350	7.000	-	.456	.228	0	.629	3.0	-9.0	1	DC..2
E-SDUCR 10-2	.625	.430	8.000	-	.591	.295	0	.787	0	-8.0	1	DC..2
S-SDUCR 6-2	.375	.350	6.000	.882	.330	.165	0	.562	0	-9.0	0	DC..2
S-SDUCR 8-2	.500	.350	6.000	1.000	.460	.230	0	.629	0	-9.0	0	DC..2
S-SDUCR 10-2	.625	.430	8.000	1.250	.575	.287	0	.787	0	-8.0	0	DC..2
S-SDUCR 12-3	.750	.500	10.000	1.770	.670	.335	0	.985	0	-6.0	0	DC..3
S-SDUCL 16-3	1.000	.630	11.810	2.170	.920	.460	0	1.220	0	-5.0	0	DC..3
S-SDUCR 16-3	1.000	.630	12.000	2.170	.920	.460	0	1.220	0	-5.0	0	DC..3

• S - steel shank, A - steel shank with coolant hole, E - carbide shank with coolant hole

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

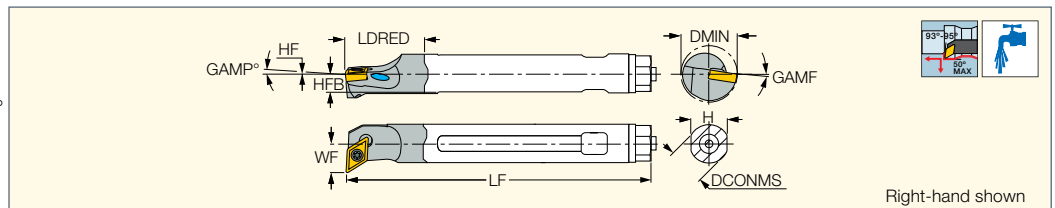
For inserts, see pages: DCGT-F1M-12P (189) • DCGT-F1M-20P (189) • DCMT/DCGT-PF (190) • DCMT/DCGT-SM (191) • DCET-WF (192)

• DCGT-AS (213) • DCGT-AF (213) • DCMT-14 (192) • DCMT/DCGT (191) • DCGW/DCMW-2 (CBN) (233) • DCMT (CBN) (232) • DCMT (PCD) (224)

Spare Parts

Designation					
A-SDUCR 6-2				SR 11201753-3	T-8/5
A-SDUCR/L 8-2				11201753-3B	T-8/5
A-SDUCR 10-2				SR 11201753-3	T-8/5
E-SDUCR 6-2				SR 14-548	T-7/5
E-SDUCR 8-2				SR 14-548	T-7/5
E-SDUCR 10-2				SR 14-548	T-7/5
S-SDUCR 6-2				SR 14-548	T-7/5
S-SDUCR 8-2				SR 14-548	T-7/5
S-SDUCR 10-2				SR 14-548	T-7/5
S-SDUCR 12-3				SR 16-236 P	T-15/5
S-SDUCR/L 16-3	TDC 3-1P	SR TC-3P	HW 4.0	SR 16-236 P	T-15/5

E-SDUCR-HEAD
Interchangeable Screw Clamped
Boring Heads Carrying Positive 7°
Clearance 55° Rhombic Inserts
Mounted on Carbide Bars



Designation	DCONMS	LF	LDRED	H	HFB	WF	GAMP	GAMF	DMIN
E-SDUCR 10-2 HEAD	.625	7.000	1.170	.590	.295	.430	0	-8.0	.787

For inserts, see pages: DCGT-F1M-12P (189) • DCGT-F1M-20P (189) • DCMT-F3P (186) • DCMT-M3M (186) • DCMT/DCGT-PF (190) • DCMT/DCGT-SM (191)

• DCET-WF (192) • DCGT-AS (213) • DCMT/DCGT (191) • DCGW/DCMW-2 (CBN) (233)

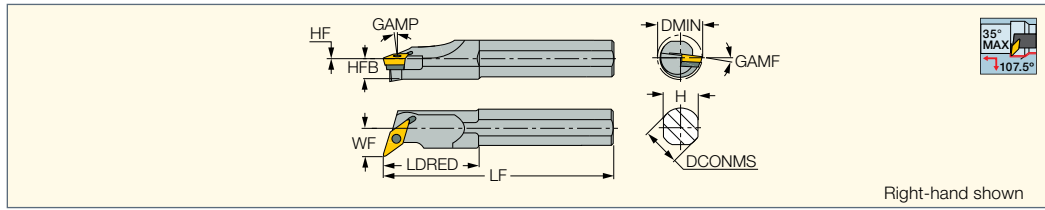
Spare Parts

Designation		
E-SDUCR-HEAD	SR 14-548	T-7/5

ISOTURN

A/S-SVQCR/L

Screw Lock Boring Bars
Carrying 35° Rhombic
Inserts with 7° Clearance



Right-hand shown

Designation	DCONMS	LF	LDRED	H	HFB	WF	DMIN	CSP ⁽¹⁾	GAMP	GAMF	Insert
S-SVQCR/L 16-3	1.000	12.000	2.440	.920	.480	.630	1.220	0	0	-5.0	VC..33..

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

For inserts, see pages: VCMT-F3P (192) • VCGW-2 (CBN) (235) • VCMT-F3M (193) • VCMT-M3M (193) • VCMT-FPC-CERMET (193) • VCMT-SM (195) • VCGT-AS (211) • VCMT-14 (195) • VCMW (196) • VCMT (CBN) (224) • VCGT (PCD) (225) • VCGT-DW (PCD) (224)

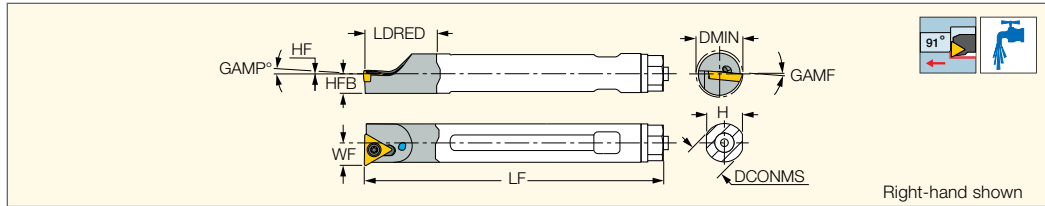
Spare Parts

Designation					
S-SVQCR/L 16-3	SR 16-236 P	T-15/5	TVC 3-1P	SR TC-3P	HW 4.0

ISOTURN

E-STFCR-HEAD

Interchangeable Screw Clamped
Boring Heads Carrying Positive
7° Clearance Triangular Inserts
Mounted on Carbide Bars



Right-hand shown

Designation	DCONMS	LF	LDRED	H	HFB	WF	GAMP	GAMF	DMIN
E-STFCR 10-2 HEAD	.625	7.000	1.170	.590	.295	.350	0	-6.0	.689

For inserts, see pages: • TCMT-F3P (199) • TCMT-M3M (199) • TCMT-PF (199) • TCMT-SM (200) • TCGT-AS (211) • TCMT (CBN) (237) • TCMT (PCD) (225)

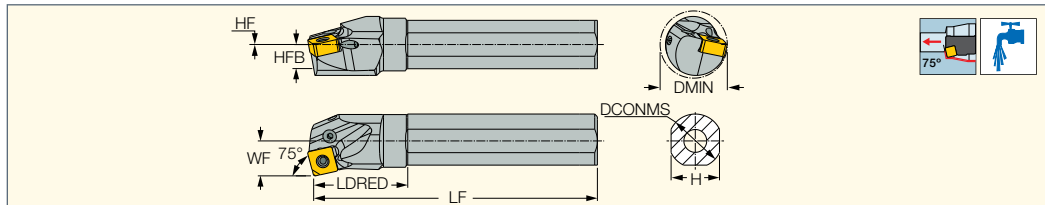
Spare Parts

Designation		
E-STFCR-HEAD	SR 14-548	T-7/5

ISOTURN

A-PSKNR/L-3

Lever Lock Boring Bars for
90° Negative Square Inserts



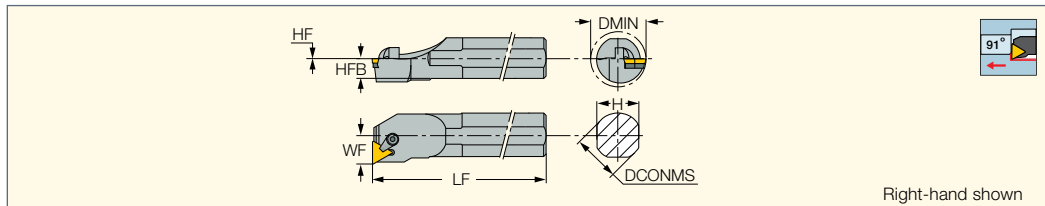
Designation	DCONMS	LF	LDRED	H	HFB	WF	GAMP	GAMF	DMIN	Insert
A-PSKNR/L 10-3	.625	7.000	1.380	.570	.285	.430	-14.0	-16.0	.866	SNMG 33
A-PSKNR/L 12-3	.750	10.000	1.380	.680	.340	.500	-10.0	-14.0	.984	SNMG 33

For inserts, see pages: SNMG-F3S (167) • SNMG-F3P (165) • SNMG-M3P (165) • SNMG-F3M (166) • SNMG-M3M (166)

ISOTURN

S-CTFPR

Clamp Lock Boring Bars for 11°
Clearance Triangular Inserts



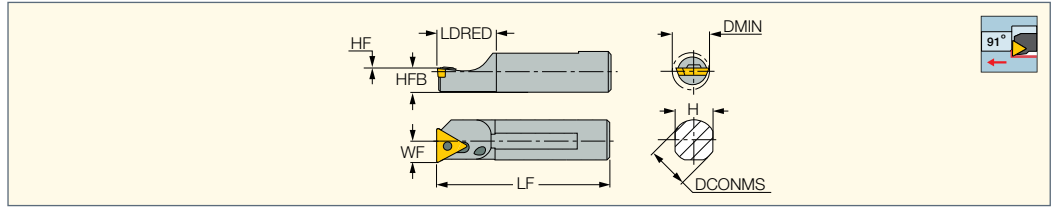
Right-hand shown

Designation	DCONMS	WF	H	HFB	LF	DMIN	GAMP	GAMF		
S-CTFPR 12-3	.750	.520	.669	.354	10.000	.945	0	4.0	LC 30 SET 2A	HW 1/8"
S-CTFPR 16-3	1.000	.580	.921	.461	12.000	1.156	0	5.0	LC 30 SET 2A	HW 1/8"

For inserts, see pages: TPG-Ceramic (221) • TPRM (202) • TPRM-FTF (203) • TPRM-PF (203)

E-STFPR

Screw Lock Boring Bars for 11° Clearance Triangular Inserts

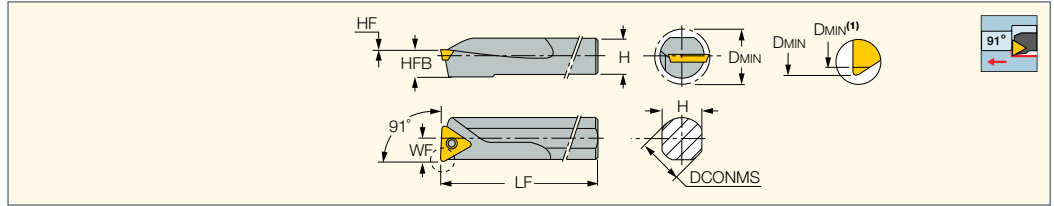


Designation	DCONMS	LF	H	HFB	WF	GAMP	GAMF	DMIN		
E-STFPR 6-2	.375	6.000	.342	.201	.240	3.0	0	.448	SR 14-505	T-7/5
E-STFPR 8-2	.500	7.000	.464	.264	.290	4.0	0	.555	SR 14-505	T-7/5
E-STFPR 10-2	.625	8.000	.574	.287	.350	4.0	0	.689	SR 14-505	T-7/5

For inserts, see pages: TPMT-PF (204) • TPGT-SP (203) • TPGX-XL (205) • TPGH-XL (205) • TPGH (204) • TPMT (204) • TPGW-M3 (CBN) (237)

BBS

Screw Lock Boring Bars for 11° Clearance Triangular Inserts



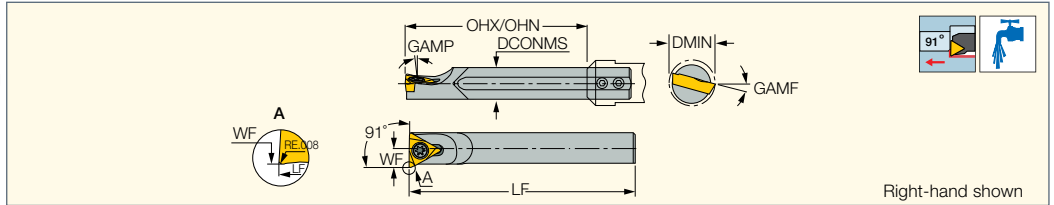
Designation	DCONMS	WF	LF	H	HFB	DMIN	GAMP	GAMF	Insert		
BBS 6-2	.500	.220	5.000	.180	.260	.394	3.0	0	TP.. 2	SR 14-505	T-7/5
BBS 8-2	.500	.290	6.000	.460	.260	.551	4.0	0	TP.. 2	SR 14-505	T-7/5
BBS 10-2	.625	.350	8.000	.580	.310	.670	5.0	0	TP.. 2	SR 14-505	T-7/5
BBS 12-3	.750	.400	10.000	.710	.370	.846	5.0	0	TP.. 3	SR 14-541	T-15/5

(1) When used with insert TPG-XL Dmin=Dmin-.046

For inserts, see pages: TPMT-PF (204) • TPGX-XL (205) • TPGH-R/L (205) • TPGH-XL (205) • TPGH (204) • TPMT (204) • TPGW-M3 (CBN) (237)

MG STFPR-X

Solid Carbide Boring Bar Carrying TPGX Inserts for Small Diameters



Designation	DCONMS	LF	OHN ⁽¹⁾	OHX ⁽²⁾	WF	GAMP	GAMF	DMIN		
MG 08-STFPR-09X	.315	3.110	.79	2.205	.193	5.0	-15.0	.374	SR 14-298	T-8/5

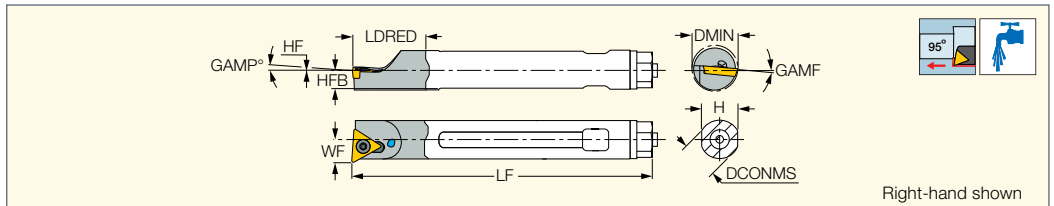
(1) Minimum overhang in adjustment range

(2) Maximum overhang in adjustment range

For inserts, see pages: TPGX (206) • TPGX (CBN) (237) • TPGX (PCD) (225)

E-STLPL-HEAD

Interchangeable Screw Clamped Boring Heads for Positive 11° Clearance Triangular Inserts, Mounted on Carbide Bars



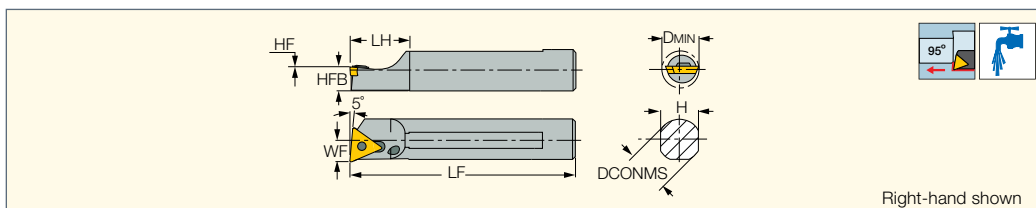
Designation	DCONMS	LF	LDRED	H	HFB	WF	GAMP	GAMF	DMIN		
E-STLPL 8-2 HEAD	.500	7.000	.980	.230	.460	.290	4.0	-6.0	.547	SR 14-505	T-7/5

For inserts, see pages: TPMT-PF (204) • TPGX-XL (205) • TPGH-R/L (205) • TPGH-XL (205) • TPGH (204) • TPMT (204) • TPGW-M3 (CBN) (237)

ISOTURN

E-STLPR

Screw Lock Boring Bars for 11° Clearance Triangular Inserts, Carbide Shank with Coolant Holes



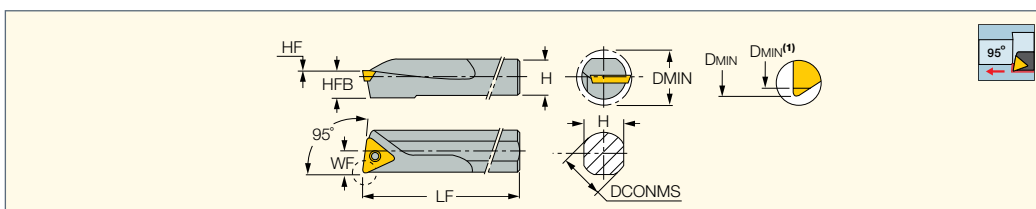
Designation	WF	LF	DCONMS	HFB	DMIN	GAMP	GAMF		
E-STLPR 12-3	.420	10.000	.750	.395	.815	5.0	0	SR 14-541	T-15/5

For inserts, see pages: TPGH-R/L (205) • TPGB (204) • TPMT (204)

ISOTURN

BBN

Screw Lock Boring Bars for 11° Clearance Triangular Inserts



Designation	DCONMS	WF	LF	LDRED	H	HFB	DMIN	GAMP	GAMF	Insert
BBN 6-2	.500	.220	5.000	1.18	.180	.260	.394	3.0	0	TP.. 2
BBN 8-2	.500	.290	6.000	-	.460	.260	.551	4.0	0	TP.. 2
BBN 10-2	.625	.350	8.000	-	.580	.310	.670	5.0	0	TP.. 2
BBN 10-3	.625	.360	7.000	-	.580	.330	.709	5.0	5.0	TP.. 3
BBN 12-3	.750	.400	10.000	-	.710	.370	.846	5.0	0	TP.. 3

(1) When used with insert TPG-XL Dmin=Dmin -.046

For inserts, see pages: TPMT-PF (204) • TPGB-XL (205) • TPGH-R/L (205) • TPGH-XL (205) • TPGB (204) • TPMT (204) • TPGW-M3 (CBN) (237)

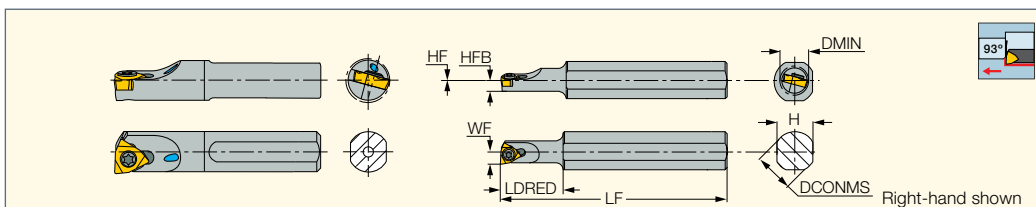
Spare Parts

Designation		
BBN 6-2	SR 14-505	T-7/5
BBN 8-2	SR 14-505	T-7/5
BBN 10-2	SR 14-505	T-7/5
BBN 10-3	SR 14-541	T-15/5
BBN 12-3	SR 14-541	T-15/5

ISOTURN

E/S-SWUBR/L

Screw Clamp Miniature Boring Bars Carrying Small WBMT Trigon Inserts



Designation	DCONMS	LF	LDRED	H	HFB	WF	GAMP	GAMF	DMIN	CSP ⁽¹⁾	Shank m. ⁽²⁾	Insert
E-SWUBR 4-5	.250	4.000	-	.220	.109	.140	0	-15.0	.275	1	C	WB.. 520L
E-SWUBR 5-5	.312	5.000	-	.291	.148	.160	0	-12.0	.330	1	C	WB.. 520L
E-SWUBR 6-5	.375	6.000	-	.342	.175	.210	0	-12.0	.413	1	C	WB.. 520L
S-SWUBR 4-5	.250	4.000	-	.230	.118	.140	0	-12.0	.275	0	S	WB.. 520L
S-SWUBR 5-5	.312	4.500	-	.293	.150	.170	0	-12.0	.330	0	S	WB.. 520L
S-SWUBR 6-5	.375	5.000	-	.354	.181	.210	0	-12.0	.413	0	S	WB.. 520L
S6 SWUBR/L-065	.375	4.000	.781	.354	.181	.120	0	-15.0	.236	0	S	WB.. 520L/R ⁽³⁾
S7 SWUBR/L-065	.375	4.000	.937	.354	.181	.140	0	-13.0	.276	0	S	WB.. 520L/R ⁽³⁾

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

(2) S-Steel, C-Carbide

(3) WBMT 520R for LH holder. • WBMT 520L for RH holder.

For inserts, see pages: WBGT (206) • WBMT (206)

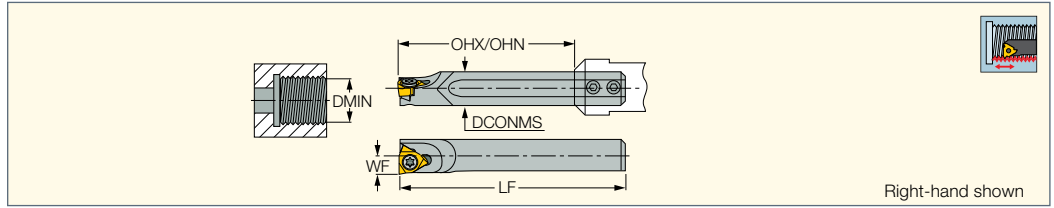
Spare Parts

Designation		
E/S-SWUBR/L	SR 14-552	T-6/5

ISCARTHREAD

MGSIR/L

Solid Carbide Bars for Internal Turning and Threading



Designation	DCONMS	LF	OHN ⁽¹⁾	OHX ⁽²⁾	WF	DMIN		
MGSIR/L 06-06	.236	2.323	.63	1.654	.154	.276	SR 14-552	T-6/5
MGSIR/L 08-06	.315	2.835	.79	2.205	.197	.362	SR 14-552	T-6/5

• In order to maintain high machining reliability, we strongly recommend replacing the clamping screw every 10 insert indexes

⁽¹⁾ Minimum overhang in adjustment range

⁽²⁾ Maximum overhang in adjustment range

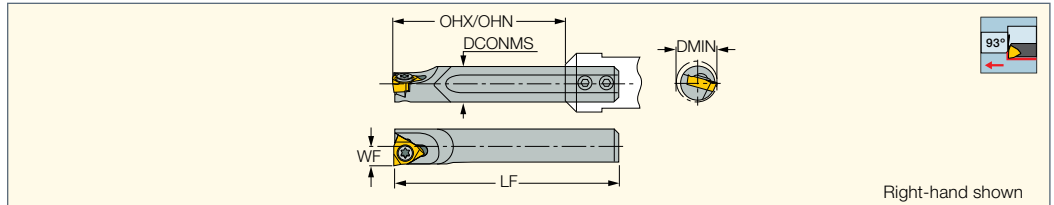
For inserts, see pages: IR/L-55° (697) • IR/L-60° (703) • IR/L-BSPT (735) • IR/L-ISO (714) • IR/L-NPT (731) • IR/L-NPTF (734)

• IR/L-UN (721) • IR/L-W (727)

ISOTURN

MG-SWUBR/L

Solid Carbide Bars for Internal Turning



Designation	DCONMS	LF	OHN ⁽¹⁾	OHX ⁽²⁾	WF	DMIN		
MG 06-SWUBR/L-06	.236	2.323	.63	1.654	.130	.260	SR 14-552	T-6/5
MG 08-SWUBR/L-06	.315	2.835	.79	2.205	.169	.343	SR 14-552	T-6/5

• Use right-hand WBMT 52...R inserts on left-hand tools and left-hand WBMT 52...L inserts on right-hand tools

⁽¹⁾ Minimum overhang in adjustment range

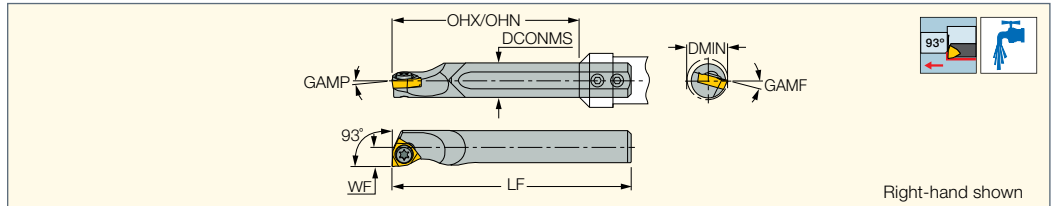
⁽²⁾ Maximum overhang in adjustment range

For inserts, see pages: WBG (206) • WBMT (206)

ISOTURN

MG-SWUCR

Solid Carbide Boring Bars Carrying WCGT Trigon Inserts for Small Diameters



Designation	DCONMS	LF	OHN ⁽¹⁾	OHX ⁽²⁾	WF	GAMP	GAMF	DMIN	Insert		
MG 06-SWUCR-02	.236	2.362	.63	1.654	.130	0	15.0	.260	WCGT 0201	SR 14-299	T-6/5
MG 08-SWUCR-02	.315	2.980	.79	2.205	.169	0	12.0	.346	WCGT 0201	SR 14-299	T-6/5

⁽¹⁾ Minimum overhang in adjustment range

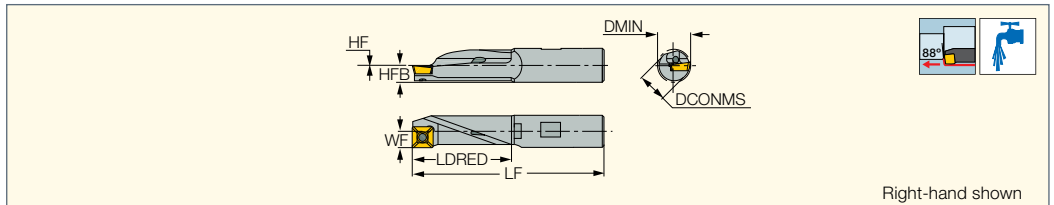
⁽²⁾ Maximum overhang in adjustment range

For inserts, see pages: WCGT (207)

ISOTURN

A-SXFOR

Boring Bars with Coolant Holes Using XOMT Inserts



Designation	DCONMS	WF	LF	LDRED	HFB	DMIN	GAMP	GAMF
A06J SXFOR-2	.375	.190	4.500	1.125	.193	.395	6.0	1.8
A08K SXFOR-2	.500	.190	5.000	1.125	.255	.395	6.0	1.8

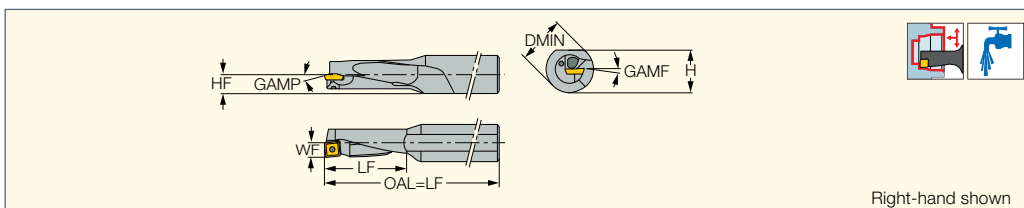
For inserts, see pages: XOMT-DT (198)

Spare Parts

Designation		
A-SXFOR	SR 34-508 M2.2X0.45	T-7/5

MULTIFUNCTION TOOLS**A-SXFOR-DR**

Boring and Drilling Bars
with Coolant Holes
Carrying XOMT Inserts

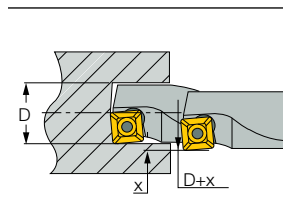


Right-hand shown

Designation	DCONMS	LF	LPR	LU	WF	HF	GAMP	GAMF	H	DCN ⁽¹⁾	Insert
A12 SXFOR-105DR	.625	7.000	.83	.750	.240	.320	0	0	.550	.492	XOMT

⁽¹⁾ Cutting diameter minimum

For inserts, see pages: XOMT-DT (198)



Drilling Solid Range:

Dmin=.492"

Dmax=.551"




To achieve required diameter ϕD , position tool as shown at $D + x$ ($x = .004$ ")
to compensate for tool deflection.

Use pecking cycle, pulling back .004" after each .039" of DOC.

Maximum feed for steel: .002 IPR;

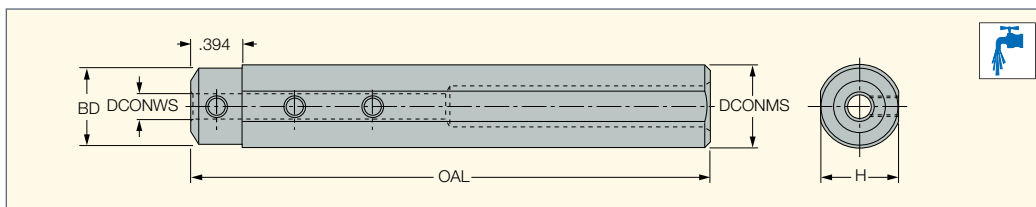
For stainless steel: .0012 IPR




Spare Parts

Designation			
A-SXFOR-DR	SR 34-508 M2.2X0.45	T-7/51	PL 062

ISOTURN**SBB**

Holders for Small Diameter
Metric (4-7 mm) Boring Bars



Designation	DCONMS	DCONWS	BD	H	OAL			
SBB D159-4	.625	.157	.591	.591	3.937	SR M4X4	HW 2.0	PL 16*
SBB D159-5	.625	.197	.591	.591	3.937	SR M4X4	HW 2.0	PL 16*
SBB D159-6	.625	.236	.591	.591	3.937	SR M4X4	HW 2.0	PL 16*
SBB D159-7	.625	.276	.591	.591	3.937	SR M4X4	HW 2.0	PL 16*
SBB D19-4	.750	.157	.709	.709	3.937	SR M4X4	HW 2.0	PL 16*
SBB D19-5	.750	.197	.709	.709	3.937	SR M4X4	HW 2.0	PL 16*
SBB D19-6	.750	.236	.709	.709	3.937	SR M4X4	HW 2.0	PL 16*
SBB D19-7	.750	.276	.709	.709	3.937	SR M4X4	HW 2.0	PL 16*
SBB D25.4-4	1.000	.157	.512	.945	4.921		HW 2.0	
SBB D25.4-5	1.000	.197	.551	.945	4.921		HW 2.0	
SBB D25.4-6	1.000	.236	.591	.945	4.921		HW 2.0	
SBB D25.4-7	1.000	.276	.630	.945	4.921		HW 2.0	

• Holders are suitable for left- and right-hand inserts, and boring bars

* Optional, should be ordered separately

For tools, see pages: • MG-SWUBR/L (111) • MG-SWUCR (111) • MGCH (466) • MGSIR/L (111)