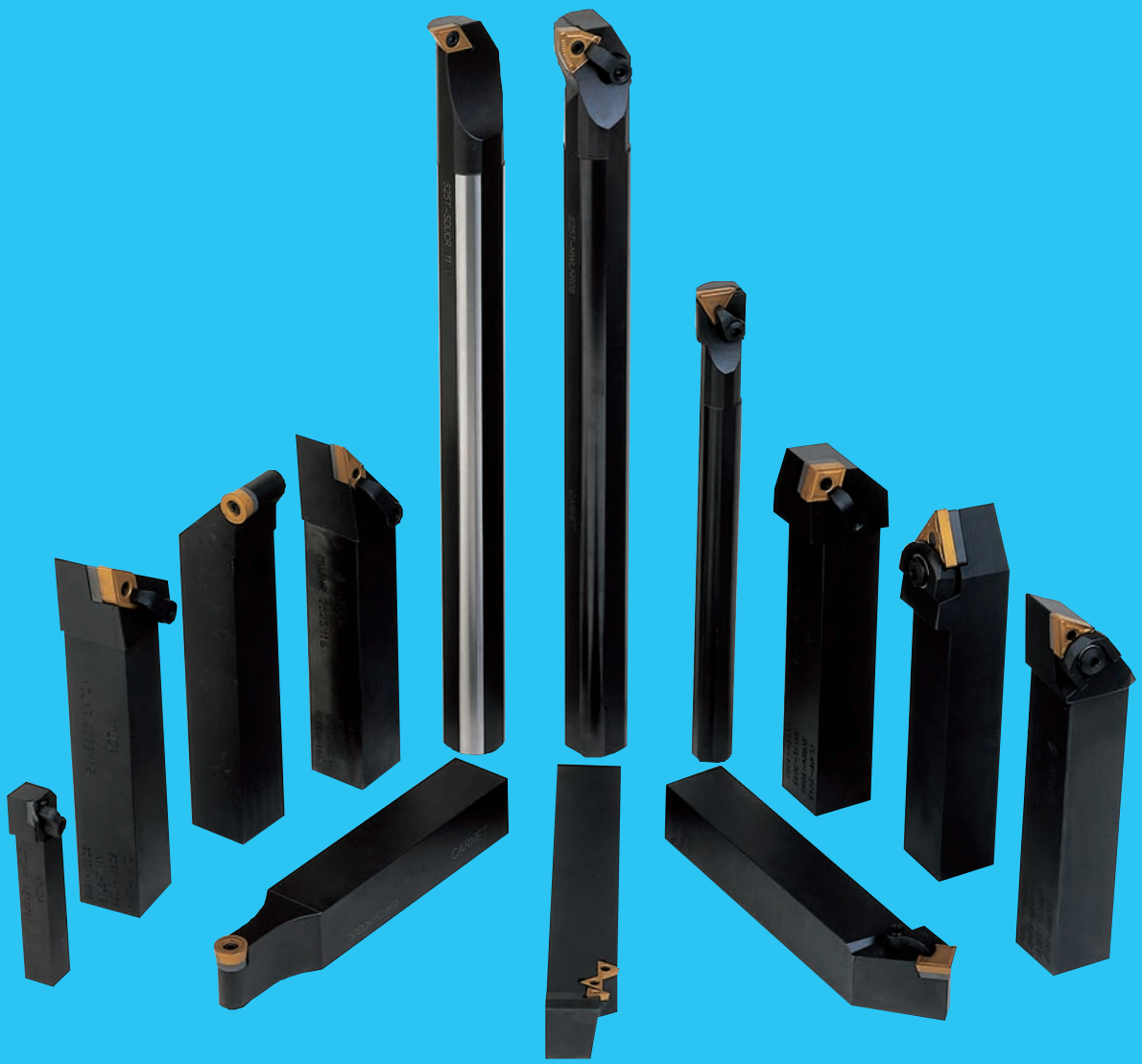
CARMET

TOOLHOLDERS



CUTTING TOOLS FOR LATHES AND MILLS

CONTENTS

ISO Identification chart (external) ..... Page 2
Positive external tools ("C" style) ..... Page 4
Negative external tools ("M" style) ..... Page 13
Negative external tools ("W" style) ..... Page 27
Neutral external tools ("S" style) ..... Page 28
ISO Identification chart (internal) ..... Page 44
Positive internal tools ("C" style) ..... Page 46
Negative internal tools ("M" style) ..... Page 49
Neutral internal tools ("S" style) ..... Page 53
Index – alphabetical listing ..... Page 59

ATUCA brand toolholders are manufactured in Australia by **CARMET** using the highest quality materials and the latest automatic and C.N.C. equipment.

A brief description of the process -

(1) Starting with hot rolled and annealed high tensile steel the material is cut to length in an automatic bandsaw.

(2) Jigged in automatic milling machine the material is machined to shape - every surface.

(3) Jigged in C.N.C. machining centre, the head and insert pocket are precision machined.

(4) The branding/numbering is then performed on a C.N.C. dot-marking machine.

(5) The next process is oil hardening and tempering (42 - 45 Rockwell C) of the toolholder.

(6) The surface finish is then applied using a hot process. This black finish is not only for appearance, it also protects the tool from oxidisation.

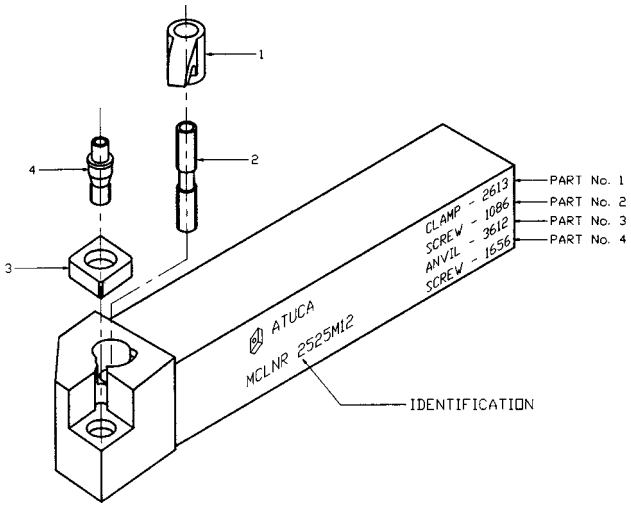
(7) The last process is of course assembling of the tool (anvil, clamp, screws etc.) packaging and labelling.

Note: A feature of **ATUCA** brand toolholders is that the part numbers are identified on the shank for quick and easy reference. No more time wasted locating the catalogue and trying to find the correct part number. The other key element is that they are stamped, not painted or etched, so the part numbers will not wear off.

As well as the standard range of toolholders, Carmet can manufacture to your specifications or design and manufacture tooling to suit your requirements.

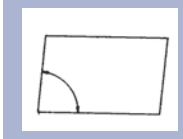
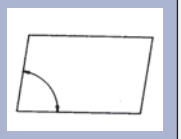
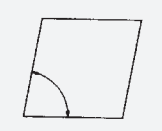
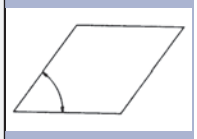
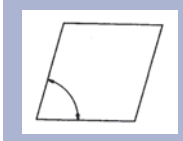
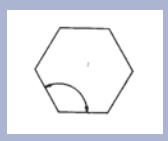
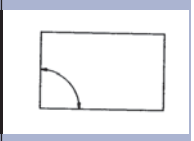
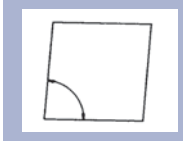
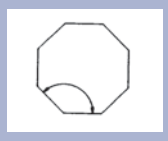
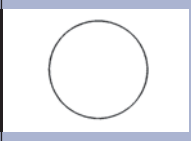
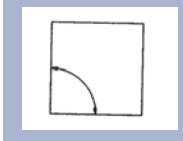
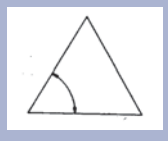
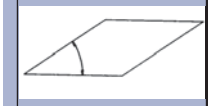
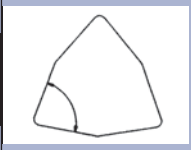
Qualified tools (ie. precision ground for centre height, length and width) are also available on request.

ATUCA is a registered trademark of Carmet Pty. Ltd.

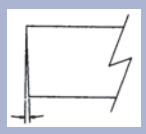
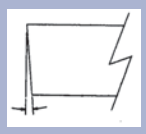
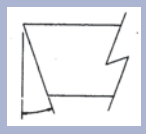
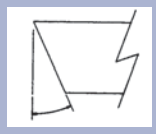
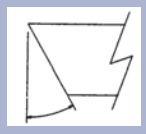
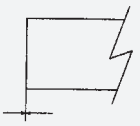


I.S.O. IDENTIFICATION

STYLE OF INSERT

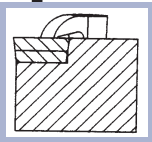
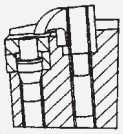
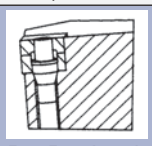
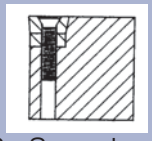
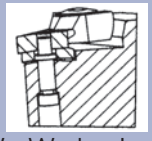
 A - 85°	 B - 82°	 C - 80°	 D - 55°
 E - 75°	 H - 120°	K - 55°	 L - 90°
 M - 86°	 O - 135°	P - 108°	 R - 360°
 S - 90°	 T - 60°	 V - 35°	 W - 80°

INSERT CLEARANCE

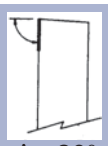
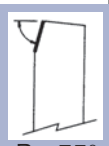
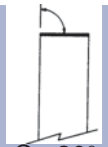
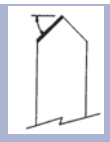
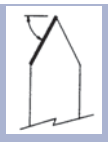
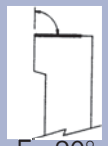
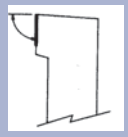
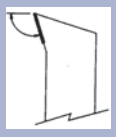
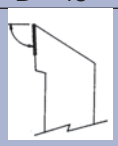
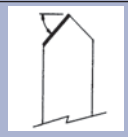
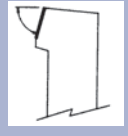
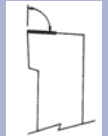
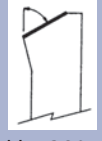
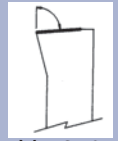
 A - 3°	 B - 5°	C - 7°
D - 15°	 E - 20°	 F - 25°
 G - 30°	 N - 0°	P - 11°

M C L N R

LOCKING SYSTEM

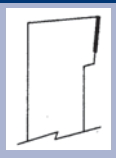
 C - Clamp Lock	
 M - Clamp and Pin Lock	
 P - Pin Lock	
 S - Screw Lock	
 W - Wedge Lock	

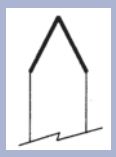
APPROACH ANGLE

 A - 90°	 B - 75°	 C - 90°	 D - 45°	 E - 45°
 F - 90°	 G - 90°	 H - 107.5°	 J - 93°	K - 75°
L - 95°	 M - 50°	N - 63°	O - 117.5°	P - 117.5°
Q - 107.5°	 R - 75°	S - 45°	T - 60°	 U - 93°
V - 72.5°	 W - 60°	X - SPECIAL	 Y - 85°	

KEY FOR TOOLHOLDERS

HAND OF TOOL


L - Left-Hand

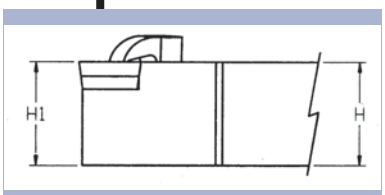

N - Neutral

R - Right-Hand

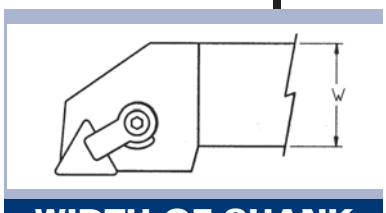
LENGTH OF TOOL IN MILLIMETRES

A - 32	B - 40	C - 50	D - 60	E - 70
F - 80	G - 90	H - 100	J - 110	K - 125
L - 140	M - 150	N - 160	P - 170	Q - 180
R - 200	S - 250	T - 300	U - 350	V - 400
W - 450	X - SPECIAL	Y - 500		

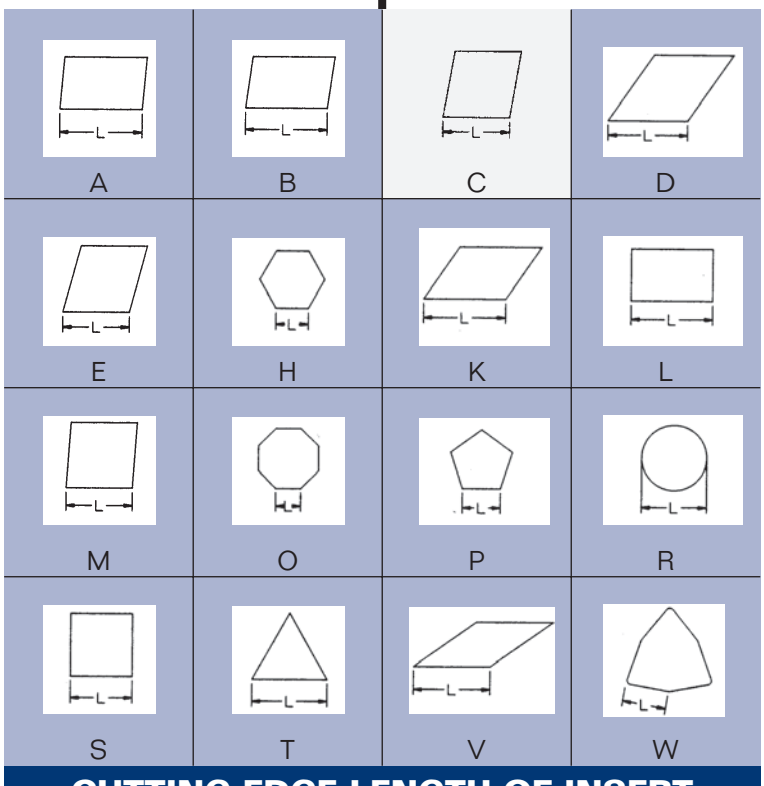
25	25	M	12	OPTIONAL



HEIGHT OF SHANK
H = H1



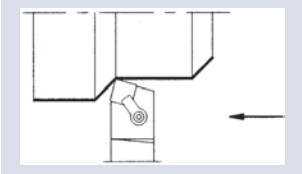
WIDTH OF SHANK

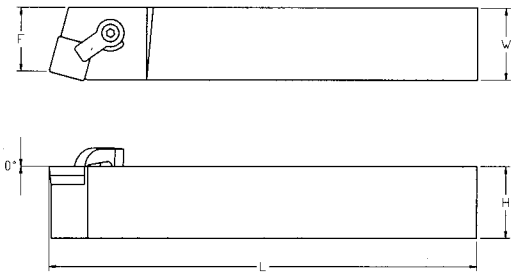


CUTTING EDGE LENGTH OF INSERT IN MILLIMETRES

CSBPL/R 75°

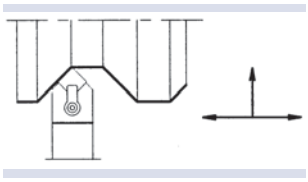
RIGHT-HAND VERSION SHOWN

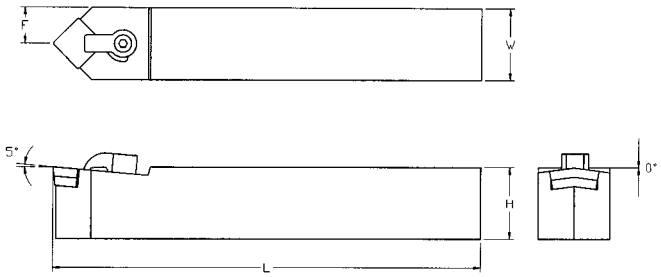




TOOL NUMBER	H	W	L	F	CLAMP	CLAMP SCREW	ANVIL	ANVIL SCREW	KEY	INSERT
CSBPL 1212F09	12	12	80	13	2605	1185	-	-	2.5	SPMR-0903..
CSBPR 1212F09	12	12	80	13	2605	1185	-	-	2.5	SPMR-0903..
CSBPL 1616H09	16	16	100	13	2605	1185	-	-	2.5	SPMR-0903..
CSBPR 1616H09	16	16	100	13	2605	1185	-	-	2.5	SPMR-0903..
CSBPL 2020K09	20	20	125	17	2605	1085	-	-	2.5	SPMR-0903..
CSBPR 2020K09	20	20	125	17	2605	1085	-	-	2.5	SPMR-0903..
CSBPL 2020K12	20	20	125	17	2613	1186	SM40	3X10	3.0	SPMR-1203..
CSBPR 2020K12	20	20	125	17	2613	1186	SM40	3X10	3.0	SPMR-1203..
CSBPL 2525M12	25	25	150	22	2613	1086	SM40	3X10	3.0	SPMR-1203..
CSBPR 2525M12	25	25	150	22	2613	1086	SM40	3X10	3.0	SPMR-1203..
CSBPL 3225P12	32	25	170	22	2613	1086	SM40	3X10	3.0	SPMR-1203..
CSBPR 3225P12	32	25	170	22	2613	1086	SM40	3X10	3.0	SPMR-1203..
CSBPL 3225P19	32	25	170	22	2621	1098	SM36	4X12	4.0	SPGN-1904..
CSBPR 3225P19	32	25	170	22	2621	1098	SM36	4X12	4.0	SPGN-1904..

CSDPN 45°

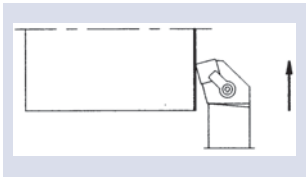


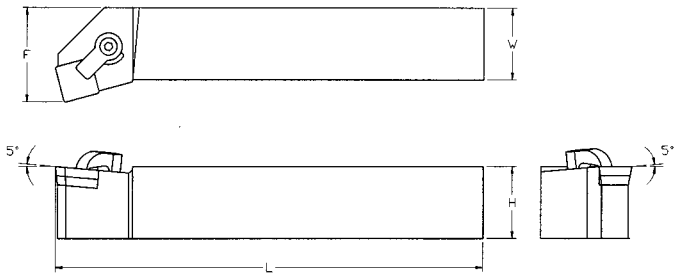


TOOL NUMBER	H	W	L	F	CLAMP	CLAMP SCREW	ANVIL	ANVIL SCREW	KEY	INSERT
CSDPN 1212F09	12	12	80	6	2605	1185	-	-	2.5	SPMR-0903..
CSDPN 1616H09	16	16	100	8	2605	1185	-	-	2.5	SPMR-0903..
CSDPN 2020K09	20	20	125	10	2605	1085	-	-	2.5	SPMR-0903..
CSDPN 2020K12	20	20	125	10	2613	1186	SM40	3X10	3.0	SPMR-1203..
CSDPN 2525M12	25	25	150	12.5	2613	1086	SM40	3X10	3.0	SPMR-1203..
CSDPN 3225P12	32	25	170	12.5	2613	1086	SM40	3X10	3.0	SPMR-1203..
CSDPN 3225P19	32	25	170	12.5	2621	1098	SM36	4X12	4.0	SPGN-1904..

CSKPL/R 75°

RIGHT-HAND VERSION SHOWN

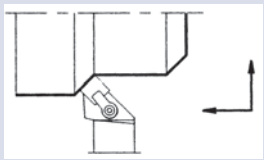


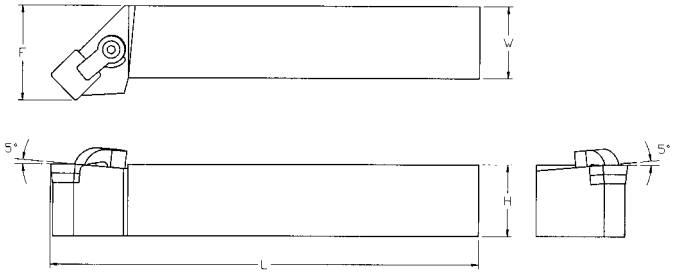


TOOL NUMBER	H	W	L	F	CLAMP	CLAMP SCREW	ANVIL	ANVIL SCREW	KEY	INSERT
CSKPL 1212F09	12	12	80	16	2605	1185	-	-	2.5	SPMR-0903..
CSKPR 1212F09	12	12	80	16	2605	1185	-	-	2.5	SPMR-0903..
CSKPL 1616H09	16	16	100	20	2605	1185	-	-	2.5	SPMR-0903..
CSKPR 1616H09	16	16	100	20	2605	1185	-	-	2.5	SPMR-0903..
CSKPL 2020K09	20	20	125	25	2605	1085	-	-	2.5	SPMR-0903..
CSKPR 2020K09	20	20	125	25	2605	1085	-	-	2.5	SPMR-0903..
CSKPL 2020K12	20	20	125	25	2613	1186	SM40	3X10	3.0	SPMR-1203..
CSKPR 2020K12	20	20	125	25	2613	1186	SM40	3X10	3.0	SPMR-1203..
CSKPL 2525M12	25	25	150	32	2613	1086	SM40	3X10	3.0	SPMR-1203..
CSKPR 2525M12	25	25	150	32	2613	1086	SM40	3X10	3.0	SPMR-1203..
CSKPL 3225P12	32	25	170	32	2613	1086	SM40	3X10	3.0	SPMR-1203..
CSKPR 3225P12	32	25	170	32	2613	1086	SM40	3X10	3.0	SPMR-1203..
CSKPL 3225P19	32	25	170	32	2621	1098	SM36	4X12	4,0	SPGN-1904..
CSKPR 3225P19	32	25	170	32	2621	1098	SM36	4X12	4,0	SPGN-1904..

CSSPL/R 45°

RIGHT-HAND VERSION SHOWN





TOOL NUMBER	H	W	L	F	CLAMP	CLAMP SCREW	ANVIL	ANVIL SCREW	KEY	INSERT
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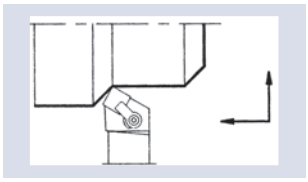
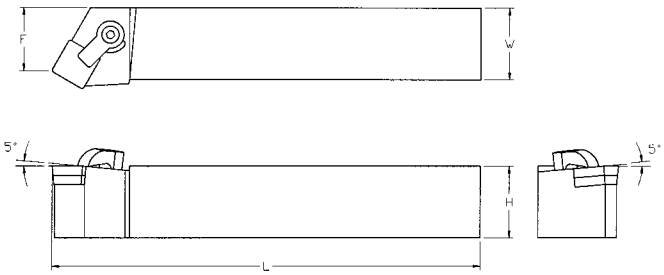
CSSPR 1212F09	12	12	80	16	2605	1185	-	-	2.5	SPMR-0903..
CSSPL 1616H09	16	16	100	20	2605	1185	-	-	2.5	SPMR-0903..
CSSPR 1616H09	16	16	100	20	2605	1185	-	-	2.5	SPMR-0903..
CSSPL 2020K09	20	20	125	25	2605	1085	-	-	2.5	SPMR-0903..
CSSPR 2020K09	20	20	125	25	2605	1085	-	-	2.5	SPMR-0903..
CSSPL 2020K12	20	20	125	25	2613	1186	SM40	3X10	3.0	SPMR-1203..
CSSPR 2020K12	20	20	125	25	2613	1186	SM40	3X10	3.0	SPMR-1203..
CSSPL 2525M12	25	25	150	32	2613	1086	SM40	3X10	3.0	SPMR-1203..
CSSPR 2525M12	25	25	150	32	2613	1086	SM40	3X10	3.0	SPMR-1203..
CSSPL 3225P12	32	25	170	32	2613	1086	SM40	3X10	3.0	SPMR-1203..
CSSPR 3225P12	32	25	170	32	2613	1086	SM40	3X10	3.0	SPMR-1203..
CSSPL 3225P19	32	25	170	32	2621	1098	SM36	4X12	4,0	SPGN-1904..
CSSPR 3225P19	32	25	170	32	2621	1098	SM36	4X12	4.0	SPGN-1904..

CSTPL/R 60°

RIGHT-HAND VERSION SHOWN





TOOL NUMBER	H	W	L	F	CLAMP	CLAMP SCREW	ANVIL	ANVIL SCREW	KEY	INSERT
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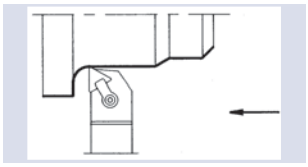
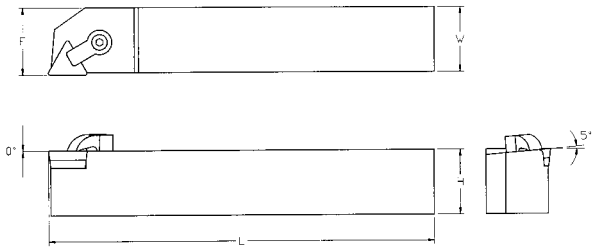
CSTPR 1212F09	12	12	80	12	2605	1185	-	-	2.5	SPMR-0903..
CSTPL 1616H09	16	16	100	16	2605	1185	-	-	2.5	SPMR-0903..
CSTPR 1616H09	16	16	100	16	2605	1185	-	-	2.5	SPMR-0903..
CSTPL 2020K12	20	20	125	20	2613	1186	SM40	3X10	3.0	SPMR-1203..
CSTPR 2020K12	20	20	125	20	2613	1186	SM40	3X10	3.0	SPMR-1203..
CSTPL 2525M12	25	25	150	25	2613	1086	SM40	3X10	3.0	SPMR-1203..
CSTPR 2525M12	25	25	150	25	2613	1086	SM40	3X10	3.0	SPMR-1203..
CSTPL 3225P12	32	25	170	25	2613	1086	SM40	3X10	3.0	SPMR-1203..
CSTPR 3225P12	32	25	170	25	2613	1086	SM40	3X10	3.0	SPMR-1203..
CSTPL 3225P19	32	25	170	25	2621	1098	SM36	4X12	4.0	SPGN-1904..
CSTPR 3255P19	32	25	170	25	2621	1098	SM36	4X12	4.0	SPGN-1904..

CTAPL/R 90°

RIGHT-HAND VERSION SHOWN

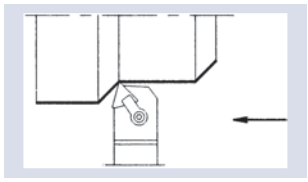


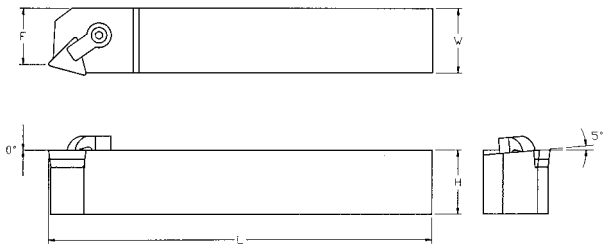


TOOL NUMBER	H	W	L	F	CLAMP	CLAMP SCREW	ANVIL	ANVIL SCREW	KEY	INSERT
CTAPL 1212F11	12	12	80	12.5	2605	1185	-	-	2.5	TPMR-1103..
CTAPR 1212F11	12	12	80	12.5	2605	1185	-	-	2.5	TPMR-1103..
CTAPL 1616H11	16	16	100	16.5	2605	1185	-	-	2.5	TPMR-1103..
CTAPR 1616H11	16	16	100	16.5	2605	1185	-	-	2.5	TPMR-1103..
CTAPL 2020K11	20	20	125	20.5	2605	1085	-	-	2.5	TPMR-1103..
CTAPR 2020K11	20	20	125	20.5	2605	1085	-	-	2.5	TPMR-1103..
CTAPL 2020K16	20	20	125	20.5	2613	1186	SM41	3X10	3.0	TPMR-1603..
CTAPR 2020K16	20	20	125	20.5	2613	1186	SM41	3X10	3.0	TPMR-1603..
CTAPL 2525M16	25	25	150	25.5	2613	1086	SM41	3X10	3.0	TPMR-1603..
CTAPR 2525M16	25	25	150	25.5	2613	1086	SM41	3X10	3.0	TPMR-1603..

CTBPL/R 75°

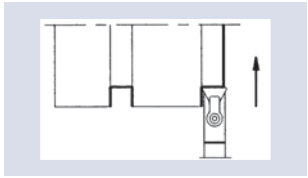
RIGHT-HAND VERSION SHOWN

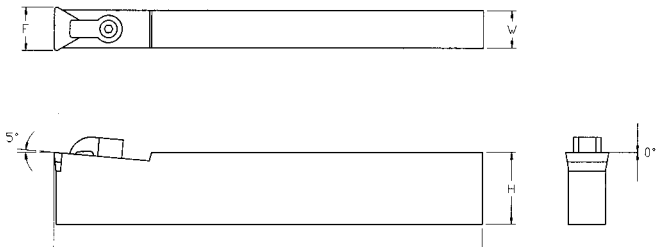




TOOL NUMBER	H	W	L	F	CLAMP	CLAMP SCREW	ANVIL	ANVIL SCREW	KEY	INSERT
CTBPL 1212F11	12	12	80	11	2605	1185	-	-	2.5	TPMR-1103..
CTBPR 1212F11	12	12	80	11	2605	1185	-	-	2.5	TPMR-1103..
CTBPL 1616H11	16	16	100	13	2605	1185	-	-	2.5	TPMR-1103..
CTBPR 1616H11	16	16	100	13	2605	1185	-	-	2.5	TPMR-1103..
CTBPL 2020K16	20	20	125	17	2613	1186	SM41	3X10	3.0	TPMR-1603..
CTBPR 2020K16	20	20	125	17	2613	1186	SM41	3X10	3.0	TPMR-1603..
CTBPL 2525M16	25	25	150	22	2613	1086	SM41	3X10	3.0	TPMR-1603..
CTBPR 2525M16	25	25	150	22	2613	1086	SM41	3X10	3.0	TPMR-1603..
CTBPL 3225P22	32	25	170	22	2620	1098	SM37	4X12	4.0	TPMR-2204...
CTBPR 3225P22	32	25	170	22	2620	1098	SM37	4X12	4.0	TPMR-2204..

CTCPN 90°





TOOL NUMBER	H	W	L	F	CLAMP	CLAMP SCREW	ANVIL	ANVIL SCREW	KEY	INSERT
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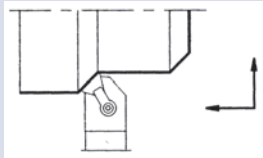
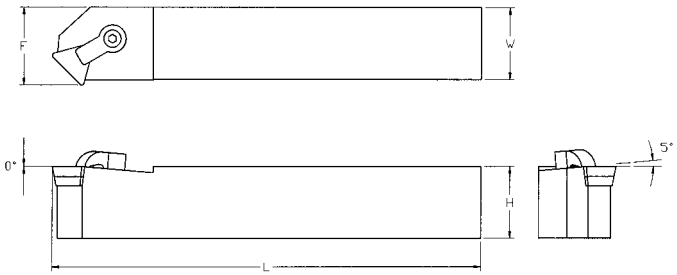
CTCPN 2513R16	25	13	200	16	2613	1086	SM41	3X10	3.0	TPMR-1603..
CTCPN 2519R22	25	19	200	22	2620	1098	SM37	4X12	4.0	TPMR-2204..
CTCPN 3219R22	32	19	200	22	2620	1098	SM37	4X12	4.0	TPMR-2204..

CTDPL/R 45°

RIGHT-HAND VERSION SHOWN

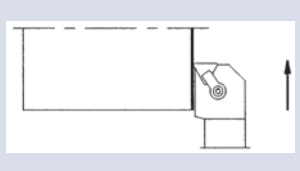


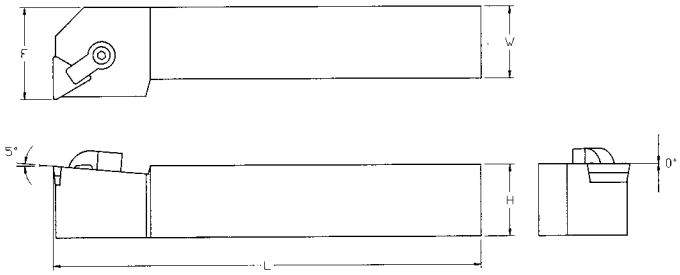


TOOL NUMBER	H	W	L	F	CLAMP	CLAMP SCREW	ANVIL	ANVIL SCREW	KEY	INSERT
CTDPL 1212F11	12	12	80	13	2605	1185	-	-	2.5	TPMR-1103..
CTDPR 1212F11	12	12	80	13	2605	1185	-	-	2.5	TPMR-1103..
CTDPL 1616H11	16	16	100	17	2605	1185	-	-	2.5	TPMR-1103..
CTDPR 1616H11	16	16	100	17	2605	1185	-	-	2.5	TPMR-1103..
CTDPL 2020K16	20	20	125	22	2613	1186	SM41	3X10	3.0	TPMR-1603..
CTDPR 2020K16	20	20	125	22	2613	1186	SM41	3X10	3.0	TPMR-1603..
CTDPL 2525M16	25	25	150	27	2613	1086	SM41	3X10	3.0	TPMR-1603..
CTDPR 2525M16	25	25	150	27	2613	1086	SM41	3X10	3.0	TPMR-1603..
CTDPL 3225P22	32	25	170	27	2620	1098	SM37	4X12	4.0	TPMR-2204..
CTDPR 3225P22	32	25	170	27	2620	1098	SM37	4X12	4.0	TPMR-2204..

CTFPL/R 90°

RIGHT-HAND VERSION SHOWN





TOOL NUMBER	H	W	L	F	CLAMP	CLAMP SCREW	ANVIL	ANVIL SCREW	KEY	INSERT
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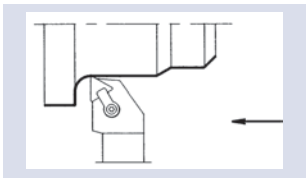
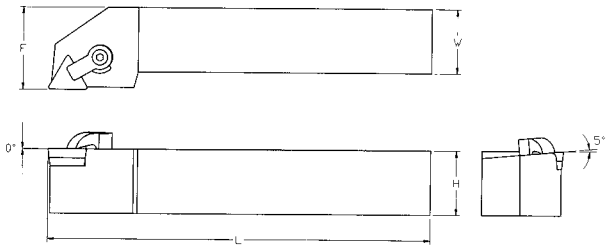
CTFPR 0808D09	8	8	60	10	2000	-	-	-	1.5	TPMR-0902..
CTFPL 1010E09	10	10	70	12	2000	-	-	-	1.5	TPMR-0902..
CTFPR 1010E09	10	10	70	12	2000	-	-	-	1.5	TPMR-0902..
CTFPL 1212F11	12	12	80	16	2605	1185	-	-	2.5	TPMR-1103..
CTFPR 1212F11	12	12	80	16	2605	1185	-	-	2.5	TPMR-1103..
CTFPL 1616H11	16	16	100	20	2605	1185	-	-	2.5	TPMR-1103..
CTFPR 1616H11	16	16	100	20	2605	1185	-	-	2.5	TPMR-1103..
CTFPL 2020K11	20	20	125	25	2605	1085	-	-	2.5	TPMR-1103..
CTFPR 2020K11	20	20	125	25	2605	1085	-	-	2.5	TPMR-1103..
CTFPL 2020K16	20	20	125	25	2613	1186	SM41	3X10	3.0	TPMR-1603..
CTFPR 2020K16	20	20	125	25	2613	1186	SM41	3X10	3.0	TPMR-1603..
CTFPL 2525M16	25	25	150	32	2613	1086	SM41	3X10	3.0	TPMR-1603..
CTFPR 2525M16	25	25	150	32	2613	1086	SM41	3X10	3.0	TPMR-1603..
CTFPL 3225P16	32	25	170	32	2613	1086	SM41	3X10	3.0	TPMR-1603..
CTFPR 3225P16	32	25	170	32	2613	1086	SM41	3X10	3.0	TPMR-1603..
CTFPL 2525M22	25	25	150	32	2620	1098	SM37	4X12	4.0	TPMR-2204..
CTFPR 2525M22	25	25	150	32	2620	1098	SM37	4X12	4.0	TPMR-2204..
CTFPL 3225P22	32	25	170	32	2620	1098	SM37	4X12	4.0	TPMR-2204..
CTFPR 3225P22	32	25	170	32	2620	1098	SM37	4X12	4.0	TPMR-2204..

CTGPL/R 90°

RIGHT-HAND VERSION SHOWN

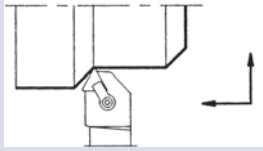


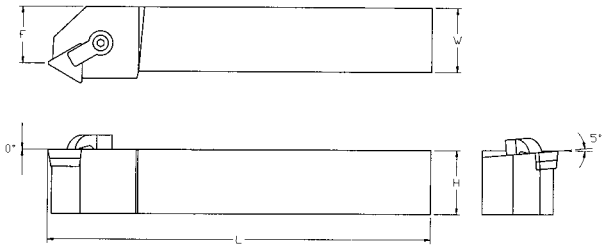


TOOL NUMBER	H	W	L	F	CLAMP	CLAMP SCREW	ANVIL	ANVIL SCREW	KEY	INSERT
CTGPL 0808D09	8	8	60	10	2000	-	-	-	1.5	TPMR-0902..
CTGPR 0808D09	8	8	60	10	2000	-	-	-	1.5	TPMR-0902..
CTGPL 1010E09	10	10	70	12	2000	-	-	-	1.5	TPMR-0902..
CTGPR 1010E09	10	10	70	12	2000	-	-	-	1.5	TPMR-0902..
CTGPL 1212F11	12	12	80	16	2605	1185	-	-	2.5	TPMR-1103..
CTGPR 1212F11	12	12	80	16	2605	1185	-	-	2.5	TPMR-1103..
CTGPL 1616H11	16	16	100	20	2605	1185	-	-	2.5	TPMR-1103..
CTGPR 1616H11	16	16	100	20	2605	1185	-	-	2.5	TPMR-1103..
CTGPL 2020K11	20	20	125	25	2605	1085	-	-	2.5	TPMR-1103..
CTGPR 2020K11	20	20	125	25	2605	1085	-	-	2.5	TPMR-1103..
CTGPL 3225P11	32	25	170	32	2605	1085	-	-	2.5	TPMR-1103..
CTGPR 3225P11	32	25	170	32	2605	1085	-	-	2.5	TPMR-1103..
CTGPL 2020K16	20	20	125	25	2613	1186	SM41	3X10	3.0	TPMR-1603..
CTGPR 2020K16	20	20	125	25	2613	1186	SM41	3X10	3.0	TPMR-1603..
CTGPL 2525M16	25	25	150	32	2613	1086	SM41	3X10	3.0	TPMR-1603..
CTGPR 2525M16	25	25	150	32	2613	1086	SM41	3X10	3.0	TPMR-1603..
CTGPL 3225P16	32	25	170	32	2613	1086	SM41	3X10	3.0	TPMR-1603..
CTGPR 3225P16	32	25	170	32	2613	1086	SM41	3X10	3.0	TPMR-1603..
CTGPL 2525M22	25	25	150	32	2620	1098	SM37	4X12	4.0	TPMR-2204..
CTGPR 2525M22	25	25	150	32	2620	1098	SM37	4X12	4.0	TPMR-2204..
CTGPL 3225P22	32	25	170	32	2620	1098	SM37	4X12	4.0	TPMR-2204..
CTGPR 3225P22	32	25	170	32	2620	1098	SM37	4X12	4.0	TPMR-2204..

CTTPL/R 60°

RIGHT-HAND VERSION SHOWN

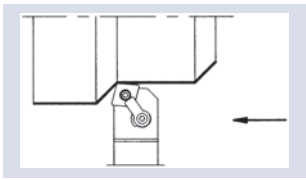


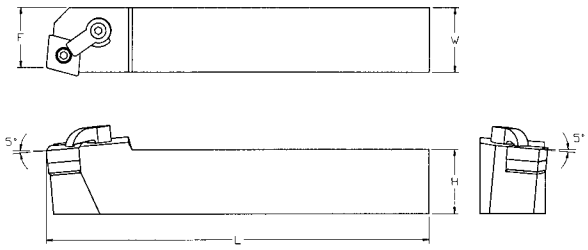


TOOL NUMBER	H	W	L	F	CLAMP	CLAMP SCREW	ANVIL	ANVIL SCREW	KEY	INSERT
CTTPL 0808D09	8	8	60	7	2000	-	-	-	1.5	TPMR-0902..
CTTPR 0808D09	8	8	60	7	2000	-	-	-	1.5	TPMR-0902..
CTTPL 1010E09	10	10	70	9	2000	-	-	-	1.5	TPMR-0902..
CTTPR 1010E09	10	10	70	9	2000	-	-	-	1.5	TPMR-0902..
CTTPL 1212F11	12	12	80	11	2605	1185	-	-	2.5	TPMR-1103..
CTTPR 1212F11	12	12	80	11	2605	1185	-	-	2.5	TPMR-1103..
CTTPL 1616H11	16	16	100	13	2605	1185	-	-	2.5	TPMR-1103..
CTTPR 1616H11	16	16	100	13	2605	1185	-	-	2.5	TPMR-1103..
CTTPL 2020K16	20	20	125	17	2613	1186	SM41	3X10	3.0	TPMR-1603..
CTTPR 2020K16	20	20	125	17	2613	1186	SM41	3X10	3.0	TPMR-1603..
CTTPL 2525M16	25	25	150	22	2613	1086	SM41	3X10	3.0	TPMR-1603..
CTTPR 2525M16	25	25	150	22	2613	1086	SM41	3X10	3.0	TPMR-1603..
CTTPL 2525M22	25	25	150	22	2620	1098	SM37	4X12	4.0	TPMR-2204..
CTTPR 2525M22	25	25	150	22	2620	1098	SM37	4X12	4.0	TPMR-2204..
CTTPL 3225P22	32	25	170	22	2620	1098	SM37	4X12	4.0	TPMR-2204..
CTTPR 3225P22	32	25	170	22	2620	1098	SM37	4X12	4.0	TPMR-2204..

MCBNL/R 75°

RIGHT-HAND VERSION SHOWN

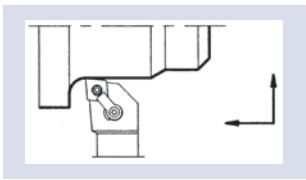


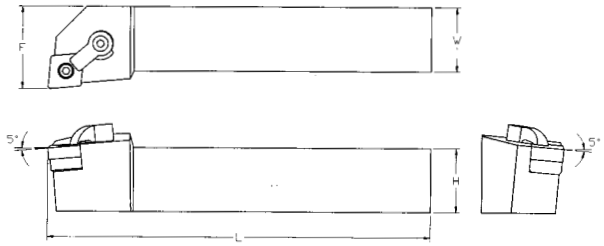


TOOL NUMBER	H	W	L	F	CLAMP	CLAMP SCREW	ANVIL	ANVIL SCREW	KEY	INSERT
MCBNL 2525M12	25	25	150	22	2613	1086	3612	1656	2.5&3.0	CNMG-1204..
MCBNR 2525M12	25	25	150	22	2613	1086	3612	1656	2.5&3.0	CNMG-1204..
MCBNL 3225P12	32	25	170	22	2613	1086	3612	1656	2.5&3.0	CNMG-1204..
MCBNR 3225P12	32	25	170	22	2613	1086	3612	1656	2.5&3.0	CNMG-1204..

MCLNL/R 95°

RIGHT-HAND VERSION SHOWN

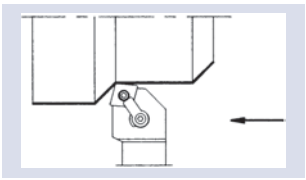


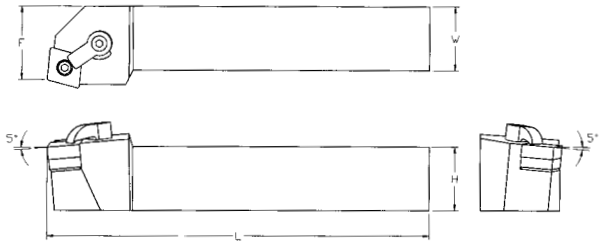


TOOL NUMBER	H	W	L	F	CLAMP	CLAMP SCREW	ANVIL	ANVIL SCREW	KEY	INSERT
MCLNL 1616H12	16	16	100	20	2613	1186	3612	1656	2.5&3.0	CNMG-1204..
MCLNR 1616H12	16	16	100	20	2613	1186	3612	1656	2.5&3.0	CNMG-1204..
MCLNL 2020K12	20	20	125	25	2613	1086	3612	1656	2.5&3.0	CNMG-1204..
MCLNR 2020K12	20	20	125	25	2613	1086	3612	1656	2.5&3.0	CNMG-1204..
MCLNL 2525M12	25	25	150	32	2613	1086	3612	1656	2.5&3.0	CNMG-1204..
MCLNR 2525M12	25	25	150	32	2613	1086	3612	1656	2.5&3.0	CNMG-1204..
MCLNL 3225P12	32	25	170	32	2613	1086	3612	1656	2.5&3.0	CNMG-1204..
MCLNR 3225P12	32	25	170	32	2613	1086	3612	1656	2.5&3.0	CNMG-1204..
MCLNL 3225P19	32	25	170	40	2621	1098	3619	1670	4.0	CNMG-1906..
MCLNR 3225P19	32	25	170	40	2621	1098	3619	1670	4.0	CNMG-1906..
MCLNL 4040S19	40	40	250	50	2621	1098	3619	1670	4.0	CNMG-1906..
MCLNR 4040S19	40	40	250	50	2621	1098	3619	1670	4.0	CNMG-1906..

MCRNL/R 75°

RIGHT-HAND VERSION SHOWN

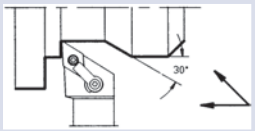


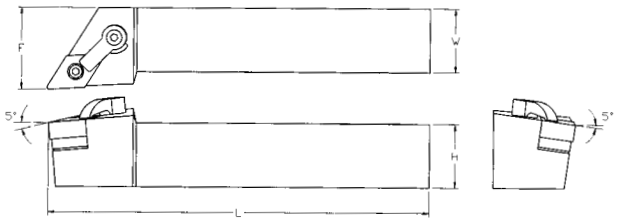


TOOL NUMBER	H	W	L	F	CLAMP	CLAMP SCREW	ANVIL	ANVIL SCREW	KEY	INSERT
MCRNL 1616H12	16	16	100	18	2613	1186	3612	1656	2.5&3.0	CNMG-1204..
MCRNR 1616H12	16	16	100	18	2613	1186	3612	1656	2.5&3.0	CNMG-1204..
MCRNL 2020K12	20	20	125	22	2613	1086	3612	1656	2.5&3.0	CNMG-1204..
MCRNR 2020K12	20	20	125	22	2613	1086	3612	1656	2.5&3.0	CNMG-1204..
MCRNL 2525M12	25	25	150	27	2613	1086	3612	1656	2.5&3.0	CNMG-1204..
MCRNR 2525M12	25	25	150	27	2613	1086	3612	1656	2.5&3.0	CNMG-1204..
MCRNL 3225P12	32	25	170	27	2613	1086	3612	1656	2.5&3.0	CNMG-1204..
MCRNR 3225P12	32	25	170	27	2613	1086	3612	1656	2.5&3.0	CNMG-1204..
MCRNL 3225P19	32	25	170	27	2621	1098	3619	1670	4.0	CNMG-1906..
MCRNR 3225P19	32	25	170	27	2621	1098	3619	1670	4.0	CNMG-1906..

MDJNL/R 93°

RIGHT-HAND VERSION SHOWN

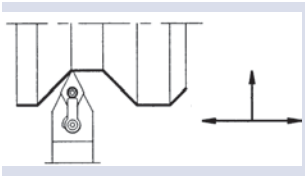


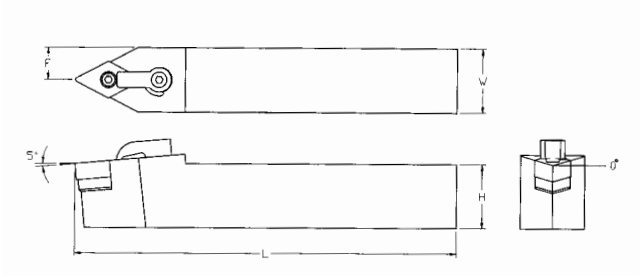


TOOL NUMBER	H	W	L	F	CLAMP	CLAMP SCREW	ANVIL	ANVIL SCREW	KEY	INSERT
MDJNL 2020K15	20	20	125	25	2614	1086	*3715	1666	2.5&3.0	DNMG-1506..
MDJNR 2020K15	20	20	125	25	2614	1086	*3715	1666	2.5&3.0	DNMG-1506..
MDJNL 2525M15	25	25	150	32	2614	1086	*3715	1666	2.5&3.0	DNMG-1506..
MDJNR 2525M15	25	25	150	32	2614	1086	*3715	1666	2.5&3.0	DNMG-1506..
MDJNL 3225P15	32	25	170	32	2614	1086	*3715	1666	2.5&3.0	DNMG-1506..
MDJNR 3225P15	32	25	170	32	2614	1086	*3715	1666	2.5&3.0	DNMG-1506..

* Toolholders are supplied with 3715 anvil as standard to suit DNMG-1506.. insert. If DNMG-1504.. insert is to be used, specify optional 4715 anvil.

MDNNN 63°



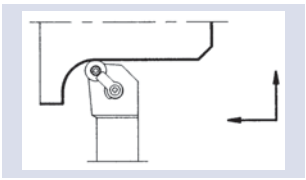


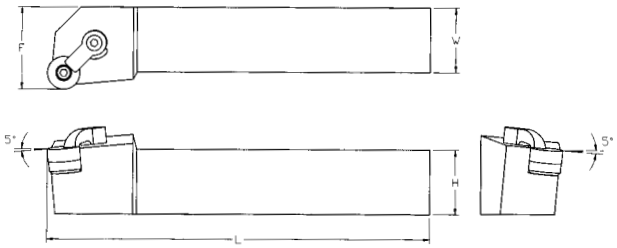
TOOL NUMBER	H	W	L	F	CLAMP	CLAMP SCREW	ANVIL	ANVIL SCREW	KEY	INSERT
MDNNN 2020K15	20	20	125	10	2614	1086	*3715	1666	2.5&3.0	DNMG-1506..
MDNNN 2525M15	25	25	150	12.5	2614	1086	*3175	1666	2.5&3.0	DNMG-1506..
MDNNN 3225P15	32	25	170	12.5	2614	1086	*3715	1666	2.5&3.0	DNMG-1506..

* Toolholders are supplied with 3715 anvil as standard to suit DNMG-1506.. insert. If DNMG-1504.. insert is to be used, specify optional 4715 anvil.

MRGNL/R

RIGHT-HAND VERSION SHOWN

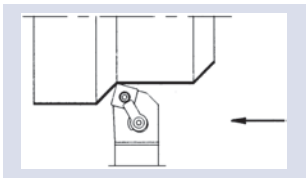


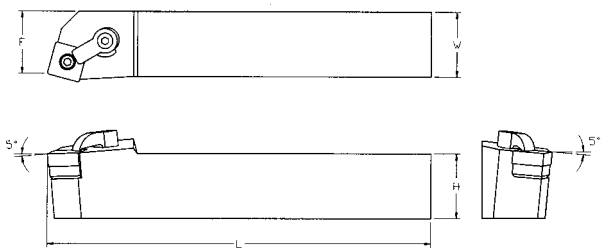


TOOL NUMBER	H	W	L	F	CLAMP	CLAMP SCREW	ANVIL	ANVIL SCREW	KEY	INSERT
MRGNL 1616H09	16	16	100	20	2605	1185	3909	1665	2.0&2.5	RNMG-0903..
MRGNR 1616H09	16	16	100	20	2605	1185	3909	1665	2.0&2.5	RNMG-0903..
MRGNL 2020K09	20	20	125	25	2605	1185	3909	1665	2.0&2.5	RNMG-0903..
MRGNR 2020K09	20	20	125	25	2605	1185	3909	1665	2.0&2.5	RNMG-0903..
MRGNL 2020K12	20	20	125	25	2613	1086	3912	1656	2.5&3.0	RNMG-1204..
MRGNR 2020K12	20	20	125	25	2613	1086	3912	1656	2.5&3.0	RNMG-1204..
MRGNL 2525M12	25	25	150	32	2613	1086	3912	1656	2.5&3.0	RNMG-1204..
MRGNR 2525M12	25	25	150	32	2613	1086	3912	1656	2.5&3.0	RNMG-1204..
MRGNL 3225P12	32	25	170	32	2613	1086	3912	1656	2.5&3.0	RNMG-1204..
MRGNR 3225P12	32	25	170	32	2613	1086	3912	1656	2.5&3.0	RNMG-1204..

MSBNL/R 75°

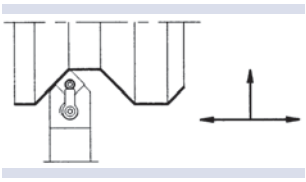
RIGHT-HAND VERSION SHOWN

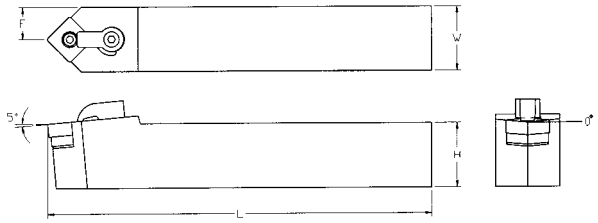




TOOL NUMBER	H	W	L	F	CLAMP	CLAMP SCREW	ANVIL	ANVIL SCREW	KEY	INSERT
MSBNL 1616H09	16	16	100	13	2605	1185	3509	1665	2.0&2.5	SNMG-0903..
MSBNR 1616H09	16	16	100	13	2605	1185	3509	1665	2.0&2.5	SNMG-0903..
MSBNL 2020K09	20	20	125	17	2605	1185	3509	1665	2.0&2.5	SNMG-0903..
MSBNR 2020K09	20	20	125	17	2605	1185	3509	1665	2.0&2.5	SNMG-0903..
MSBNL 2020K12	20	20	125	17	2613	1086	3512	1656	2.5&3.0	SNMG-1204..
MSBNR 2020K12	20	20	125	17	2613	1086	3512	1656	2.5&3.0	SNMG-1204..
MSBNL 2525M12	25	25	150	22	2613	1086	3512	1656	2.5&3.0	SNMG-1204..
MSBNR 2525M12	25	25	150	22	2613	1086	3512	1656	2.5&3.0	SNMG-1204..
MSBNL 3225P12	32	25	170	22	2613	1086	3512	1656	2.5&3.0	SNMG-1204..
MSBNR 3225P12	32	25	170	22	2613	1086	3512	1656	2.5&3.0	SNMG-1204..
MSBNL 3225P19	32	25	170	22	2621	1098	3519	1670	4.0	SNMG-1906..
MSBNR 3225P19	32	25	170	22	2621	1098	3519	1670	4.0	SNMG-1906..
MSBNL 4040S19	40	40	250	35	2621	1098	3519	1670	4.0	SNMG-1906..
MSBNR 4040S19	40	40	250	35	2621	1098	3519	1670	4.0	SNMG-1906..
MSBNL 4040S25	40	40	250	35	2631	1090	3525	1672	4.0&5.0	SNMG-2509..
MSBNR 4040S25	40	40	250	35	2631	1090	3525	1672	4.0&5.0	SNMG-2509..

MSDNN 45°

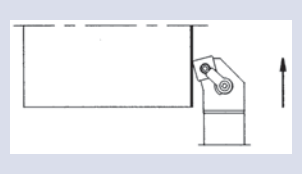


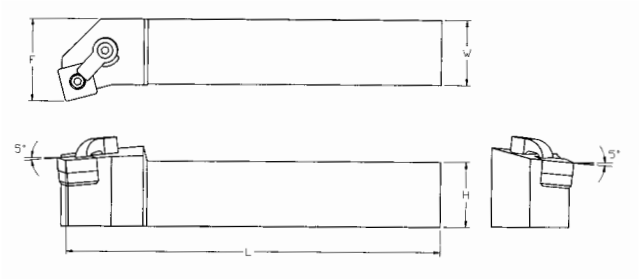


TOOL NUMBER	H	W	L	F	CLAMP	CLAMP SCREW	ANVIL	ANVIL SCREW	KEY	INSERT
MSDNN 1616H09	16	16	100	8	2605	1185	3509	1665	2.0&2.5	SNMG-0903..
MSDNN 2020K09	20	20	125	10	2605	1185	3509	1665	2.0&2.5	SNMG-0903..
MSDNN 2020K12	20	20	125	10	2613	1086	3512	1656	2.5&3.0	SNMG-1204..
MSDNN 2525M12	25	25	150	12.5	2613	1086	3512	1656	2.5&3.0	SNMG-1204..
MSDNN 3225P12	32	25	170	12.5	2613	1086	3512	1656	2.5&3.0	SNMG-1204..
MSDNN 3225P19	32	25	170	12.5	2621	1098	3519	1670	4.0	SNMG-1906..
MSDNN 4040S19	40	40	250	20	2621	1098	3519	1670	4.0	SNMG-1906..
MSDNN 4040S25	40	40	250	20	2631	1090	3525	1672	4.0&5.0	SNMG-2509..

MSKNL/R 75°

RIGHT-HAND VERSION SHOWN

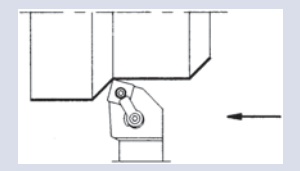


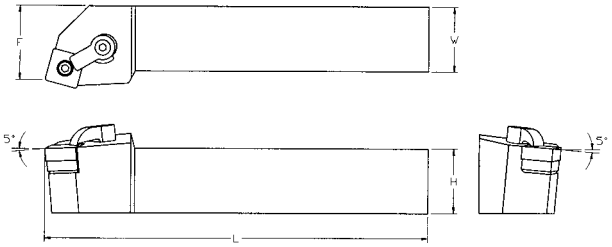


TOOL NUMBER	H	W	L	F	CLAMP	CLAMP SCREW	ANVIL	ANVIL SCREW	KEY	INSERT
MSKNL 1616H09	16	16	100	20	2605	1185	3509	1665	2.0&2.5	SNMG-0903..
MSKNR 1616H09	16	16	100	20	2605	1185	3509	1665	2.0&2.5	SNMG-0903..
MSKNL 2020K09	20	20	125	25	2605	1185	3509	1665	2.0&2.5	SNMG-0903..
MSKNR 2020K09	20	20	125	25	2605	1185	3509	1665	2.0&2.5	SNMG-0903..
MSKNL 2020K12	20	20	125	25	2613	1086	3512	1656	2.5&3.0	SNMG-1204..
MSKNR 2020K12	20	20	125	25	2613	1086	3512	1656	2.5&3.0	SNMG-1204..
MSKNL 2525M12	25	25	150	32	2613	1086	3512	1656	2.5&3.0	SNMG-1204..
MSKNR 2525M12	25	25	150	32	2613	1086	3512	1656	2.5&3.0	SNMG-1204..
MSKNL 3225P12	32	25	170	32	2613	1086	3512	1656	2.5&3.0	SNMG-1204..
MSKNR 3225P12	32	25	170	32	2613	1086	3512	1656	2.5&3.0	SNMG-1204..
MSKNL 3225P19	32	25	170	32	2621	1098	3519	1670	4.0	SNMG-1906..
MSKNR 3225P19	32	25	170	32	2621	1098	3519	1670	4.0	SNMG-1906..
MSKNL 4040S19	40	40	250	50	2621	1098	3519	1670	4.0	SNMG-1906..
MSKNR 4040S19	40	40	250	50	2621	1098	3519	1670	4.0	SNMG-1906..
MSKNL 4040S25	40	40	250	50	2631	1090	3525	1672	4.0&5.0	SNMG-2509..
MSKNR 4040S25	40	40	250	50	2631	1090	3525	1672	4.0&5.0	SNMG-2509..

MSRNL/R 75°

RIGHT-HAND VERSION SHOWN

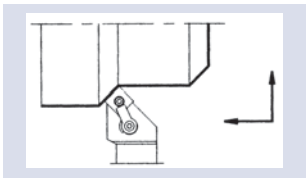


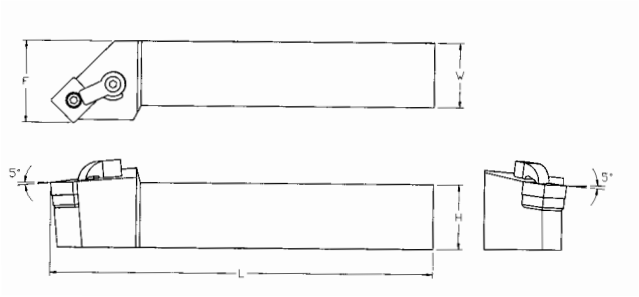


TOOL NUMBER	H	W	L	F	CLAMP	CLAMP SCREW	ANVIL	ANVIL SCREW	KEY	INSERT
MSRNL 1616H09	16	16	100	17	2605	1185	3509	1665	2.0&2.5	SNMG-0903..
MSRNR 1616H09	16	16	100	17	2605	1185	3509	1665	2.0&2.5	SNMG-0903..
MSRNL 2020K09	20	20	125	22	2605	1185	3509	1665	2.0&2.5	SNMG-0903..
MSRNR 2020K09	20	20	125	22	2605	1185	3509	1665	2.0&2.5	SNMG-0903..
MSRNL 2020K12	20	20	125	22	2613	1086	3512	1656	2.5&3.0	SNMG-1204..
MSRNR 2020K12	20	20	125	22	2613	1086	3512	1656	2.5&3.0	SNMG-1204..
MSRNL 2525M12	25	25	150	27	2613	1086	3512	1656	2.5&3.0	SNMG-1204..
MSRNR 2525M12	25	25	150	27	2613	1086	3512	1656	2.5&3.0	SNMG-1204..
MSRNL 3225P12	32	25	170	27	2613	1086	3512	1656	2.5&3.0	SNMG-1204..
MSRNR 3225P12	32	25	170	27	2613	1086	3512	1656	2.5&3.0	SNMG-1204..
MSRNL 3225P19	32	25	170	27	2621	1098	3519	1670	4.0	SNMG-1906..
MSRNR 3225P19	32	25	170	27	2621	1098	3519	1670	4.0	SNMG-1906..
MSRNL 4040S19	40	40	250	43	2621	1098	3519	1670	4.0	SNMG-1906..
MSRNR 4040S19	40	40	250	43	2621	1098	3519	1670	4.0	SNMG-1906..
MSRNL 4040S25	40	40	250	43	2631	1090	3525	1672	4.0&5.0	SNMG-2509..
MSRNR 4040S25	40	40	250	43	2631	1090	3525	1672	4.0&5.0	SNMG-2509..

MSSNL/R 45°

RIGHT-HAND VERSION SHOWN

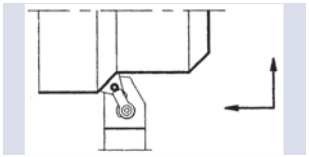


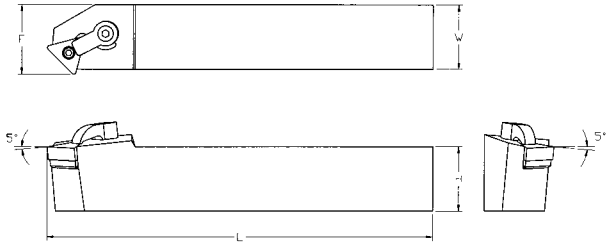


TOOL NUMBER	H	W	L	F	CLAMP	CLAMP SCREW	ANVIL	ANVIL SCREW	KEY	INSERT
MSSNL 1616H09	16	16	100	20	2605	1185	3509	1665	2.0&2.5	SNMG-0903..
MSSNR 1616H09	16	16	100	20	2605	1185	3509	1665	2.0&2.5	SNMG-0903..
MSSNL 2020K09	20	20	125	25	2605	1185	3509	1665	2.0&2.5	SNMG-0903..
MSSNR 2020K09	20	20	125	25	2605	1185	3509	1665	2.0&2.5	SNMG-0903..
MSSNL 2020K12	20	20	125	25	2613	1086	3512	1656	2.5&3.0	SNMG-1204..
MSSNR 2020K12	20	20	125	25	2613	1086	3512	1656	2.5&3.0	SNMG-1204..
MSSNL 2525M12	25	25	150	32	2613	1086	3512	1656	2.5&3.0	SNMG-1204..
MSSNR 2525M12	25	25	150	32	2613	1086	3512	1656	2.5&3.0	SNMG-1204..
MSSNL 3225P12	32	25	170	32	2613	1086	3512	1656	2.5&3.0	SNMG-1204..
MSSNR 3225P12	32	25	170	32	2613	1086	3512	1656	2.5&3.0	SNMG-1204..
MSSNL 3225P19	32	25	170	32	2621	1098	3519	1670	4.0	SNMG-1906..
MSSNR 3225P19	32	25	170	32	2621	1098	3519	1670	4.0	SNMG-1906..
MSSNL 4040S19	40	40	250	50	2621	1098	3519	1670	4.0	SNMG-1906..
MSSNR 4040S19	40	40	250	50	2621	1098	3519	1670	4.0	SNMG-1906..
MSSNL 4040S25	40	40	250	50	2631	1090	3525	1672	4.0&5.0	SNMG-2509..
MSSNR 4040S25	40	40	250	50	2631	1090	3525	1672	4.0&5.0	SNMG-2509..

MTDNL/R 45°

RIGHT-HAND VERSION SHOWN



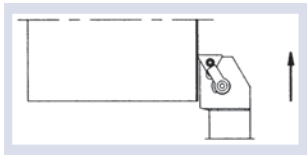


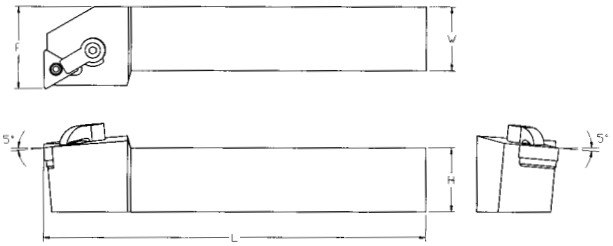
TOOL NUMBER	H	W	L	F	CLAMP	CLAMP SCREW	ANVIL	ANVIL SCREW	KEY	INSERT
MTDNL 2525M16	25	25	150	27	2613	1086	*3417	1665	2.0&2.5	TNMG-1604..
MTDNR 2525M16	25	25	150	27	2613	1086	*3417	1665	2.0&2.5	TNMG-1604..
MTDNL 3225P22	32	25	170	27	2620	1098	3422	1656	2.5&4.0	TNMG-2204..
MTDNR 3225P22	32	25	170	27	2620	1098	3422	1656	2.5&4.0	TNMG-2204..

*Toolholders are supplied with 3417 anvil as standard to suit TNMG-1604.. insert. If TNMG-1603.. insert is to be used, specify optional 3418 anvil.

MTFNL/R 90°

RIGHT-HAND VERSION SHOWN



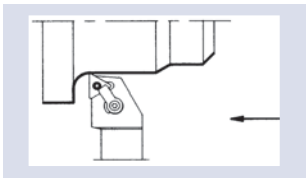


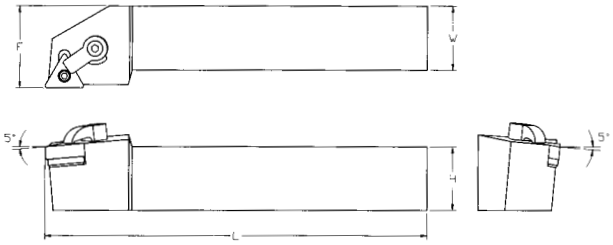
TOOL NUMBER	H	W	L	F	CLAMP	CLAMP SCREW	ANVIL	ANVIL SCREW	KEY	INSERT
MTFNL 1616H16	16	16	100	20	2613	1186	*3417	1665	2.0&2.5	TNMG-1604..
MTFNR 1616H16	16	16	100	20	2613	1186	*3417	1665	2.0&2.5	TNMG-1604..
MTFNL 2020K16	20	20	125	25	2613	1086	*3417	1665	2.0&2.5	TNMG-1604..
MTFNR 2020K16	20	20	125	25	2613	1086	*3417	1665	2.0&2.5	TNMG-1604..
MTFNL 2525M16	25	25	150	32	2613	1086	*3417	1665	2.0&2.5	TNMG-1604..
MTFNR 2525M16	25	25	150	32	2613	1086	*3417	1665	2.0&2.5	TNMG-1604..
MTFNL 2525M22	25	25	150	32	2620	1098	3422	1656	2.5&4.0	TNMG-2204..
MTFNR 2525M22	25	25	150	32	2620	1098	3422	1656	2.5&4.0	TNMG-2204..
MTFNL 3225P22	32	25	170	32	2620	1098	3422	1656	2.5&4.0	TNMG-2204..
MTFNR 3225P22	32	25	170	32	2620	1098	3422	1656	2.5&4.0	TNMG-2204..
MTFNL 3232P27	32	32	170	40	2620	1098	3427	1658	3.0&4.0	TNMG-2706..
MTFNR 3232P27	32	32	170	40	2620	1098	3427	1658	3.0&4.0	TNMG-2706..
MTFNL 4040S27	40	40	250	50	2620	1098	3427	1658	3.0&4.0	TNMG-2706..
MTFNR 4040S27	40	40	250	50	2620	1098	3427	1658	3.0&4.0	TNMG-2706..
MTFNL 4040S33	40	40	250	50	2631	1090	3433	1671	4.0	TNMG-3309..
MTFNR 4040S33	40	40	250	50	2631	1090	3433	1671	4.0	TNMG-3309..

*Toolholders are supplied with 3417 anvil as standard to suit TNMG-1604.. insert.If TNMG-1603 insert is to be used, specify optional 3418 anvil.

MTGNL/R 90°

RIGHT-HAND VERSION SHOWN



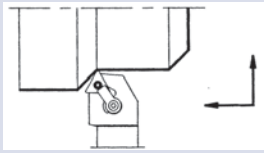


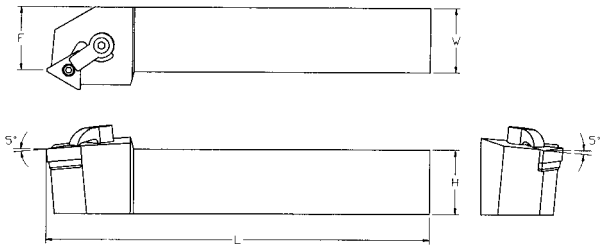
TOOL NUMBER	H	W	L	F	CLAMP	CLAMP SCREW	ANVIL	ANVIL SCREW	KEY	INSERT
MTGNL 1212F11	12	12	80	16	2605	1185	-	1623	2.0&2.5	TNMG-1103..
MTGNR 1212F11	12	12	80	16	2605	1185	-	1623	2.0&2.5	TNMG-1103..
MTGNL 1616H11	16	16	100	20	2605	1185	-	1623	2.0&2.5	TNMG-1103..
MTGNR 1616H11	16	16	100	20	2605	1185	-	1623	2.0&2.5	TNMG-1103..
MTGNL 1616H16	16	16	100	20	2613	1186	*3417	1665	2.0&2.5	TNMG-1604..
MTGNR 1616H16	16	16	100	20	2613	1186	*3417	1665	2.0&2.5	TNMG-1604..
MTGNL 2020K16	20	20	125	25	2613	1086	*3417	1665	2.0&2.5	TNMG-1604..
MTGNR 2020K16	20	20	125	25	2613	1086	*3417	1665	2.0&2.5	TNMG-1604..
MTGNL 2525M16	25	25	150	32	2613	1086	*3417	1665	2.0&2.5	TNMG-1604..
MTGNR 2525M16	25	25	150	32	2613	1086	*3417	1665	2.0&2.5	TNMG-1604..
MTGNL 3225P16	32	25	170	32	2613	1086	*3417	1665	2.0&2.5	TNMG-1604..
MTGNR 3225P16	32	25	170	32	2613	1086	*3417	1665	3.0&2.5	TNMG-1604..
MTGNL 2525M22	25	25	150	32	2620	1098	3422	1656	2.5&4.0	TNMG-2204..
MTGNR 2525M22	25	25	150	32	2620	1098	3422	1656	2.5&4.0	TNMG-2204..
MTGNL 3225P22	32	25	170	32	2620	1098	3422	1656	2.5&4.0	TNMG-2204..
MTGNR 3225P22	32	25	170	32	2620	1098	3422	1656	2.5&4.0	TNMG-2204..
MTGNL 3232P27	32	32	170	40	2620	1098	3427	1658	3.0&4.0	TNMG-2706..
MTGNR 3232P27	32	32	170	40	2620	1098	3427	1658	3.0&4.0	TNMG-2706..
MTGNL 4040S27	40	40	250	50	2620	1098	3427	1658	3.0&4.0	TNMG-2706..
MTGNR 4040S27	40	40	250	50	2620	1098	3427	1658	3.0&4.0	TNMG-2706..
MTGNL 4040S33	40	40	250	50	2631	1090	3433	1671	4.0	TNMG-3309..
MTGNR 4040S33	40	40	250	50	2631	1090	3433	1671	4.0	TNMG-3309..

*Toolholders are supplied with 3417 anvil as standard to suit TNMG-1604.. insert. If TNMG-1603.. insert is to be used, specify optional 3418 anvil.

MTTNL/R 60°

RIGHT-HAND VERSION SHOWN



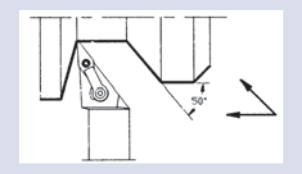


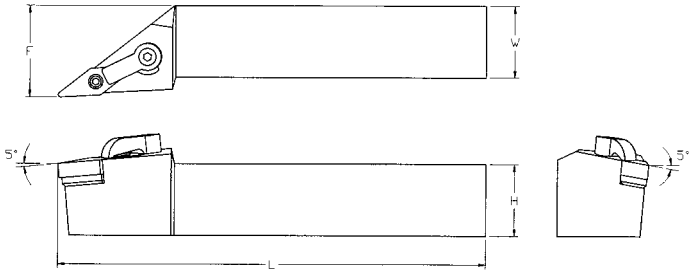
TOOL NUMBER	H	W	L	F	CLAMP	CLAMP SCREW	ANVIL	ANVIL SCREW	KEY	INSERT
MTTNL 1616H16	16	16	100	13	2613	1186	*3417	1665	2.0&2.5	TNMG-1604..
MTTNR 1616H16	16	16	100	13	2613	1186	*3417	1665	2.0&2.5	TNMG-1604..
MTTNL 2020K16	20	20	125	17	2613	1086	*3417	1665	2.0&2.5	TNMG-1604..
MTTNR 2020K16	20	20	125	17	2613	1086	*3417	1665	2.0&2.5	TNMG-1604..
MTTNL 2525M16	25	25	150	22	2613	1086	*3417	1665	2.0&2.5	TNMG-1604..
MTTNR 2525M16	25	25	150	22	2613	1086	*3417	1665	2.0&2.5	TNMG-1604..
MTTNL 2525M22	25	25	150	22	2620	1098	3422	1656	2.5&4.0	TNMG-2204..
MTTNR 2525M22	25	25	150	22	2620	1098	3422	1656	2.5&4.0	TNMG-2204..
MTTNL 3225P22	32	25	170	22	2620	1098	3422	1656	2.5&4.0	TNMG-2204..
MTTNR 3225P22	32	25	170	22	2620	1098	3422	1656	2.5&4.0	TNMG-2204..

*Toolholders are supplied with 3417 anvil as standard to suit TNMG-1604 insert. If TNMG-1603 insert is to be used, specify optional 3418 anvil.

MVJNL/R 93°

RIGHT-HAND VERSION SHOWN

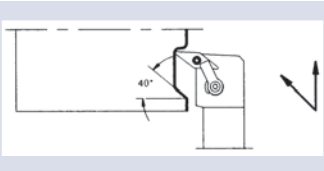


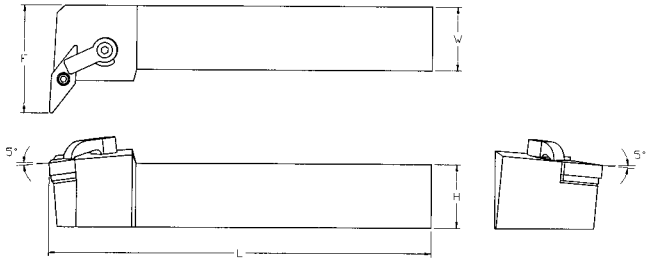


TOOL NUMBER	H	W	L	F	CLAMP	CLAMP SCREW	ANVIL	ANVIL SCREW	KEY	INSERT
MVJNL 2020K16	20	20	125	25	2616	1086	3716	1665	2.0&3.0	VNMG-1604..
MVJNR 2020K16	20	20	125	25	2616	1086	3716	1665	2.0&3.0	VNMG-1604..
MVJNL 2525M16	25	25	150	32	2616	1086	3716	1665	2.0&3.0	VNMG-1604..
MVJNR 2525M16	25	25	150	32	2616	1086	3716	1665	2.0&3.0	VNMG-1604..
MVJNL 3225P16	32	25	170	32	2616	1086	3716	1665	2.0&3.0	VNMG-1604..
MVJNR 3225P16	32	25	170	32	2616	1086	3716	1665	2.0&3.0	VNMG-1604..

MVUNL/R 93°

RIGHT-HAND VERSION SHOWN

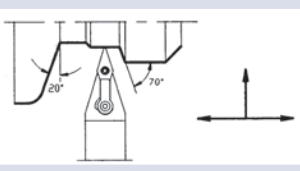


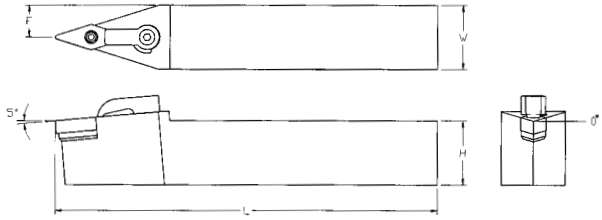


TOOL NUMBER	H	W	L	F	CLAMP	CLAMP SCREW	ANVIL	ANVIL SCREW	KEY	INSERT
MVUNL 2020K16	20	20	125	37	2614	1086	3716	1665	2.0&3.0	VNMG-1604..
MVUNR 2020K16	20	20	125	37	2614	1086	3716	1665	2.0&3.0	VNMG-1604..
MVUNL 2525M16	25	25	150	42	2614	1086	3716	1665	2.0&3.0	VNMG-1604..
MVUNR 2525M16	25	25	150	42	2614	1086	3716	1665	2.0&3.0	VNMG-1604..
MVUNL 3225P16	32	25	170	42	2614	1086	3716	1665	2.0&3.0	VNMG-1604..
MVUNR 3225P16	32	25	170	42	2614	1086	3716	1665	2.0&3.0	VNMG-1604..

MVVNN 72.5°

RIGHT-HAND VERSION SHOWN

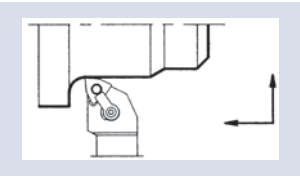


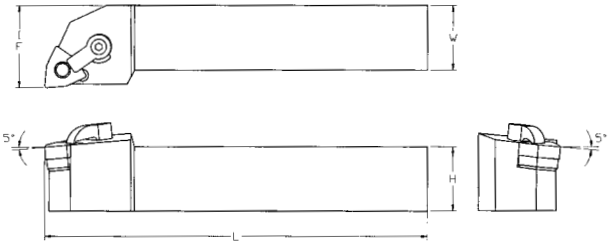


TOOL NUMBER	H	W	L	F	CLAMP	CLAMP SCREW	ANVIL	ANVIL SCREW	KEY	INSERT
MVVNN 2020K16	20	20	125	10	2616	1086	3716	1665	2.0&3.0	VNMG-1604..
MVVNN 2525M16	25	25	150	12.5	2616	1086	3716	1665	2.0&3.0	VNMG-1604..
MVVNN 3225P16	32	25	170	12.5	2616	1086	3716	1665	2.0&3.0	VNMG-1604..

MWLNL/R 95°

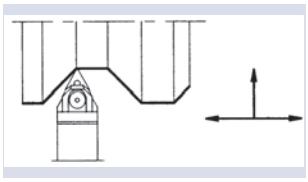
RIGHT-HAND VERSION SHOWN

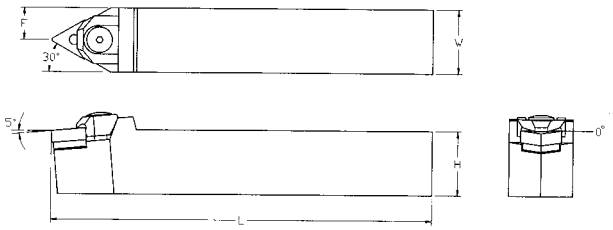




TOOL NUMBER	H	W	L	F	CLAMP	CLAMP SCREW	ANVIL	ANVIL SCREW	KEY	INSERT
MWLNL 1616H06	16	16	100	20	2605	1185	2006	1665	2.0&2.5	WNMG-0604..
MWLNR 1616H06	16	16	100	20	2605	1185	2006	1665	2.0&2.5	WNMG-0604..
MWLNL 2020K06	20	20	125	25	2613	1086	2006	1665	2.5&3.0	WNMG-0604..
MWLNR 2020K06	20	20	125	25	2613	1086	2006	1665	2.5&3.0	WNMG-0604..
MWLNL 2525M06	25	25	150	32	2613	1086	2006	1665	2.5&3.0	WNMG-0604..
MWLNR 2525M06	25	25	150	32	2613	1086	2006	1665	2.5&3.0	WNMG-0604..
MWLNL 2020K08	20	20	125	25	2613	1086	3006	1656	2.5&3.0	WNMG-0804..
MWLNR 2020K08	20	20	125	25	2613	1086	3006	1656	2.5&3.0	WNMG-0804..
MWLNL 2525M08	25	25	150	32	2613	1086	3006	1656	2.5&3.0	WNMG-0804..
MWLNR 2525M08	25	25	150	32	2613	1086	3006	1656	2.5&3.0	WNMG-0804..
MWLNL 3225P08	32	25	170	32	2613	1086	3006	1656	2.5&3.0	WNMG-0804..
MWLNR 3225P08	32	25	170	32	2613	1086	3006	1656	2.5&3.0	WNMG-0804..

WTENN 60°



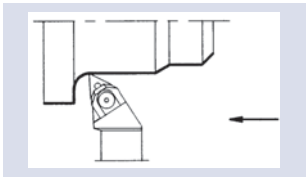


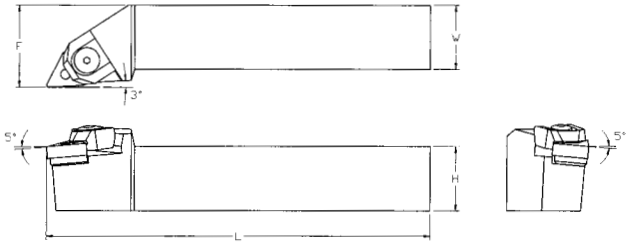
TOOL NUMBER	H	W	L	F	CLAMP SET	ANVIL	ANVIL PIN	PIN SCREW	KEY	INSERT
WTENN 2020K16	20	20	125	10	2017	*3417	1642	1393	2.5	TNMG-1604..
WTENN 2525M16	25	25	150	12.5	2017	*3417	1642	1393	2.5	TNMG-1604..
WTENN 3225P16	32	25	170	12.5	2017	*3417	1642	1393	2.5	TNMG-1604..
WTENN 2525M22	25	25	150	12.5	2023	3422	1661	1394	3.0	TNMG-2204..
WTENN 3225P22	32	25	170	12.5	2023	3422	1661	1394	3.0	TNMG-2204..

*Toolholders are supplied with 3417 anvil as standard to suit TNMG-1604.. insert.If TNMG-1603 insert is to be used, specify optional 3418 anvil.

WTJNL/R 93°

RIGHT-HAND VERSION SHOWN



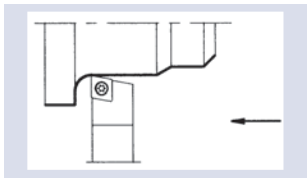


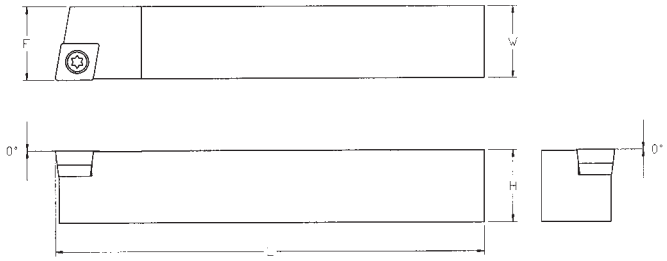
TOOL NUMBER	H	W	L	F	CLAMP SET	ANVIL	ANVIL PIN	PIN SCREW	KEY	INSERT
WTJNL 2020K16	20	20	125	25	2017	*3417	1642	1393	2.5	TNMG-1604..
WTJNR 2020K16	20	20	125	25	2017	*3417	1642	1393	2.5	TNMG-1604..
WTJNL 2525M16	25	25	150	32	2017	*3417	1642	1393	2.5	TNMG-1604..
WTJNR 2525M16	25	25	150	32	2017	*3417	1642	1393	2.5	TNMG-1604..
WTJNL 3225P16	32	25	170	32	2017	*3417	1642	1393	2.5	TNMG-1604..
WTJNR 3225P16	32	25	170	32	2017	*3417	1642	1393	2.5	TNMG-1604..
WTJNL 2525M22	25	25	150	32	2023	3422	1661	1394	3.0	TNMG-2204..
WTJNR 2525M22	25	25	150	32	2023	3422	1661	1394	3.0	TNMG-2204..
WTJNL 3225P22	32	25	170	32	2023	3422	1661	1394	3.0	TNMG-2204..
WTJNR 3225P22	32	25	170	32	2023	3422	1661	1394	3.0	TNMG-2204..

*Toolholders are supplied with 3417 anvil as standard to suit TNMG-1604.. insert.If TNMG-1603 insert is to be used, specify optional 3418 anvil.

SCACL/R 90°

RIGHT-HAND VERSION SHOWN

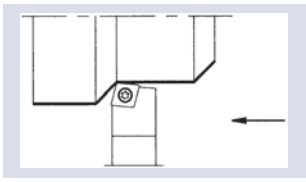


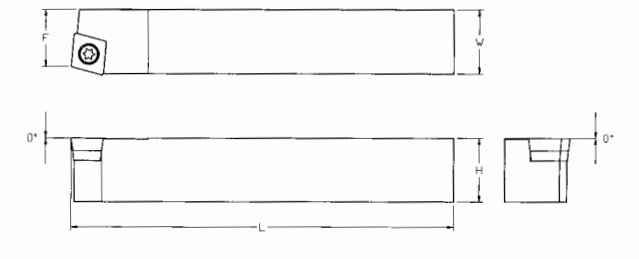


TOOL NUMBER	H	W	L	F	ANVIL	ANVIL RETAINER	INSERT SCREW	TORX KEY	INSERT
SCACL 0808D06	8	8	60	8.5	-	-	1225	5507	CCMT-0602..
SCACR 0808D06	8	8	60	8.5	-	-	1225	5507	CCMT-0602..
SCACL 1010E06	10	10	70	10.5	-	-	1225	5507	CCMT-0602..
SCACR 1010E06	10	10	70	10.5	-	-	1225	5507	CCMT-0602..
SCACL 1212F09	12	12	80	12.5	-	-	1240	5515	CCMT-09T3..
SCACR 1212F09	12	12	80	12.5	-	-	1240	5515	CCMT-09T3..
SCACL 1616H09	16	16	100	16.5	-	-	1240	5515	CCMT-09T3..
SCACR 1616H09	16	16	100	16.5	-	-	1240	5515	CCMT-09T3..
SCACL 2020K12	20	20	125	20.5	3614	1760	1540	5517	CCMT-1204..
SCACR 2020K12	20	20	125	20.5	3614	1760	1540	5517	CCMT-1204..
SCACL 2525M12	25	25	150	25.5	3614	1760	1540	5517	CCMT-1204..
SCACR 2525M12	25	25	150	25.5	3614	1760	1540	5517	CCMT-1204..

SCBCL/R 75°

RIGHT-HAND VERSION SHOWN

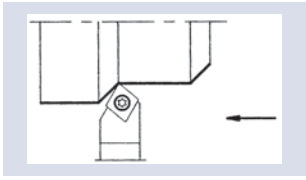


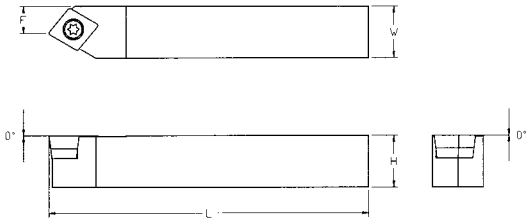


TOOL NUMBER	H	W	L	F	ANVIL	ANVIL RETAINER	INSERT SCREW	TORX KEY	INSERT
SCBCL 0808D06	8	8	60	7	-	-	1225	5507	CCMT-0602..
SCBCR 0808D06	8	8	60	7	-	-	1225	5507	CCMT-0602..
SCBCL 1010E06	10	10	70	9	-	-	1225	5507	CCMT-0602..
SCBCR 1010E06	10	10	70	9	-	-	1225	5507	CCMT-0602..
SCBCL 1212F09	12	12	80	10	-	-	1240	5515	CCMT-09T3..
SCBCR 1212F09	12	12	80	10	-	-	1240	5515	CCMT-09T3..
SCBCL 1616H09	16	16	100	13	-	-	1240	5515	CCMT-09T3..
SCBCR 1616H09	16	16	100	13	-	-	1240	5515	CCMT-09T3..
SCBCL 2020K12	20	20	125	17	3614	1760	1540	5517	CCMT-1204..
SCBCR 2020K12	20	20	125	17	3614	1760	1540	5517	CCMT-1204..
SCBCL 2525M12	25	25	150	22	3614	1760	1540	5517	CCMT-1204..
SCBCR 2525M12	25	25	150	22	3614	1760	1540	5517	CCMT-1204..

SCECL/R 60°

RIGHT-HAND VERSION SHOWN

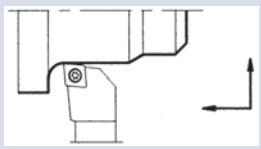


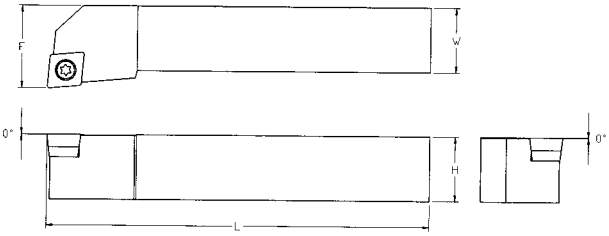


TOOL NUMBER	H	W	L	F	ANVIL	ANVIL RETAINER	INSERT SCREW	TORX KEY	INSERT
SCECL 1010E06	10	10	70	5.2	-	-	1225	5507	CCMT-0602..
SCECR 1010E06	10	10	70	5.2	-	-	1225	5507	CCMT-0602..
SCECL 1212F09	12	12	80	6.4	-	-	1240	5515	CCMT-09T3..
SCECR 1212F09	12	12	80	6.4	-	-	1240	5515	CCMT-09T3..
SCECL 1616H09	16	16	100	8.4	-	-	1240	5515	CCMT-09T3..
SCECR 1616H09	16	16	100	8.4	-	-	1240	5515	CCMT-09T3..
SCECL 2020K12	20	20	125	10.4	3614	1760	1540	5517	CCMT-1204..
SCECR 2020K12	20	20	125	10.4	3614	1760	1540	5517	CCMT-1204..

SCLCL/R 95°

RIGHT-HAND VERSION SHOWN

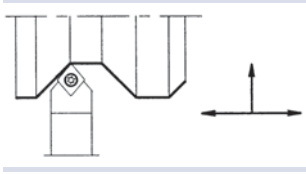


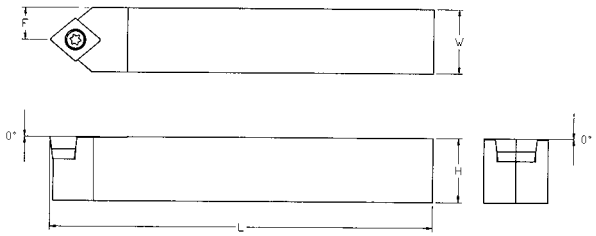


TOOL NUMBER	H	W	L	F	ANVIL	ANVIL RETAINER	INSERT SCREW	TORX KEY	INSERT
SCLCL 0606C06	6	6	50	8	-	-	1225	5507	CCMT-0602..
SCLCR 0606C06	6	6	50	8	-	-	1225	5507	CCMT-0602..
SCLCL 0808D06	8	8	60	10	-	-	1225	5507	CCMT-0602..
SCLCR 0808D06	8	8	60	10	-	-	1225	5507	CCMT-0602..
SCLCL 1010E06	10	10	70	12	-	-	1225	5507	CCMT-0602..
SCLCR 1010E06	10	10	70	12	-	-	1225	5507	CCMT-0602..
SCLCL 1212F09	12	12	80	16	-	-	1240	5507	CCMT-09T3..
SCLCR 1212F09	12	12	80	16	-	-	1240	5507	CCMT-009T3..
SCLCL 1616H09	16	16	100	20	-	-	1240	5515	CCMT-09T3..
SCLCR 1616H09	16	16	100	20	-	-	1240	5515	CCMT-09T3..
SCLCL 2020K09	20	20	125	25	-	-	1240	5515	CCMT-09T3..
SCLCR 2020K09	20	20	125	25	-	-	1240	5515	CCMT-09T3..
SCLCL 2020K12	20	20	125	25	3614	1760	1540	5517	CCMT-1204..
SCLCR 2020K12	20	20	125	25	3614	1760	1540	5517	CCMT-1204..
SCLCL 2525M12	25	25	150	32	3614	1760	1540	5517	CCMT-1204..
SCLCR 2525M12	25	25	150	32	3614	1760	1540	5517	CCMT-1204.

SCMCN 50°

RIGHT-HAND VERSION SHOWN

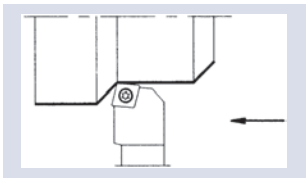


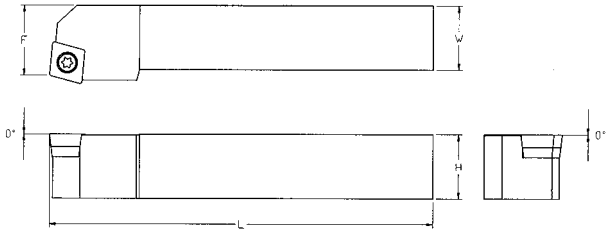


TOOL NUMBER	H	W	L	F	ANVIL	ANVIL RETAINER	INSERT SCREW	TORX KEY	INSERT
SCMCN 0808D06	8	8	60	4	-	-	1225	5507	CCMT-0602..
SCMCN 1010E06	10	10	70	5	-	-	1225	5507	CCMT-0602..
SCMCN 1212F09	12	12	80	6	-	-	1240	5515	CCMT-09T3..
SCMCN 1616H09	16	16	100	8	-	-	1240	5515	CCMT-09T3..
SCMCN 2020K12	20	20	125	10	3614	1760	1540	5517	CCMT-1204..
SCMCN 2525M12	25	25	150	12.5	3614	1760	1540	5517	CCMT-1204..

SCRCL/R 75°

RIGHT-HAND VERSION SHOWN

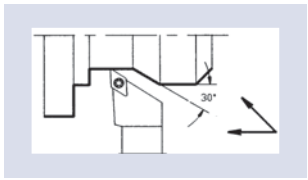


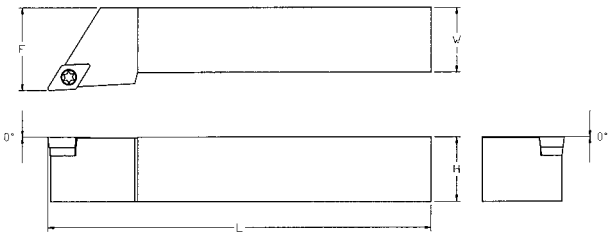


TOOL NUMBER	H	W	L	F	ANVIL	ANVIL RETAINER	INSERT SCREW	TORX KEY	INSERT
SCRCL 0808D06	8	8	60	8	-	-	1225	5507	CCMT-0602..
SCRCR 0808D06	8	8	60	8	-	-	1225	5507	CCMT-0602..
SCRCL 1010E06	10	10	70	10	-	-	1225	5507	CCMT-0602..
SCRCR 1010E06	10	10	70	10	-	-	1225	5507	CCMT-0602..
SCRCL 1212F09	12	12	80	13	-	-	1240	5515	CCMT-09T3..
SCRCR 1212F09	12	12	80	13	-	-	1240	5515	CCMT-09T3..
SCRCL 1616H09	16	16	100	17	-	-	1240	5515	CCMT-09T3..
SCRCR 1616H09	16	16	100	17	-	-	1240	5515	CCMT-09T3..
SCRCL 2020K12	20	20	125	22	3614	1760	1540	5517	CCMT-1204..
SCRCR 2020K12	20	20	125	22	3614	1760	1540	5517	CCMT-1204..
SCRCL 2525M12	25	25	150	27	3614	1760	1540	5517	CCMT-1204..
SCRCR 2525M12	25	25	150	27	3614	1760	1540	5517	CCMT-1204..

SDJCL/R 93°

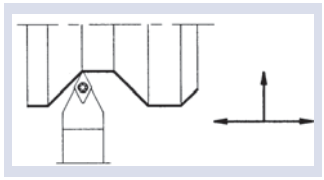
RIGHT-HAND VERSION SHOWN

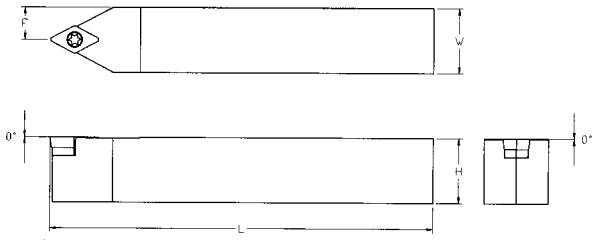




TOOL NUMBER	H	W	L	F	ANVIL	ANVIL RETAINER	INSERT SCREW	TORX KEY	INSERT
SDJCL 1010E07	10	10	70	12	-	-	1225	5507	DCMT-0702..
SDJCR 1010E07	10	10	70	12	-	-	1225	5507	DCMT-0702..
SDJCL 1212F07	12	12	80	16	-	-	1225	5507	DCMT-0702..
SDJCR 1212F07	12	12	80	16	-	-	1225	5507	DCMT-0702..
SDJCL 1212F11	12	12	80	16	-	-	1240	5515	DCMT-11T3..
SDJCR 1212F11	12	12	80	16	-	-	1240	5515	DCMT-11T3..
SDJCL 1616H11	16	16	100	20	3714	1750	1335	5516	DCMT-11T3..
SDJCR 1616H11	16	16	100	20	3714	1750	1335	5516	DCMT-11T3..
SDJCL 2020K11	20	20	125	25	3714	1750	1335	5516	DCMT-11T3..
SDJCR 2020K11	20	20	125	25	3714	1750	1335	5516	DCMT-11T3..
SDJCL 2525M11	25	25	150	32	3714	1750	1335	5516	DCMT-11T3..
SDJCR 2525M11	25	25	150	32	3714	1750	1335	5516	DCMT-11T3..

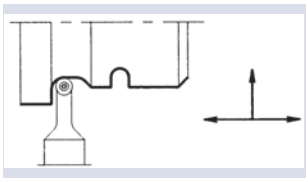
SDNCN 63°

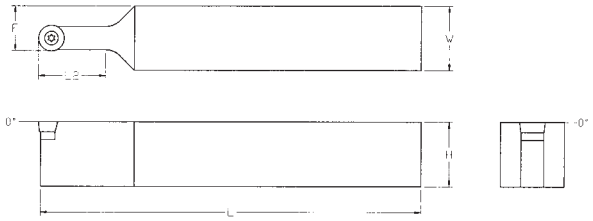




TOOL NUMBER	H	W	L	F	ANVIL	ANVIL RETAINER	INSERT SCREW	TORX KEY	INSERT
SDNCN 0808D07	08	08	60	4.0	-	-	1225	5507	DCMT-0702..
SDNCN 1010E07	10	10	70	5.0	-	-	1225	5507	DCMT-0702..
SDNCN 1212F07	12	12	80	6.0	-	-	1225	5507	DCMT-0702..
SDNCN 1212F11	12	12	80	6.0	-	-	1240	5515	DCMT-11T3..
SDNCN 1616H11	16	16	100	8.0	3714	1750	1335	5516	DCMT-11T3..
SDNCN 2020K11	20	20	125	10	3714	1750	1335	5516	DCMT-11T3..
SDNCN 2525M11	25	25	150	12.5	3714	1750	1335	5516	DCMT-11T3..

SRDCN

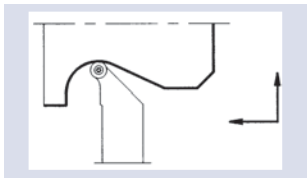


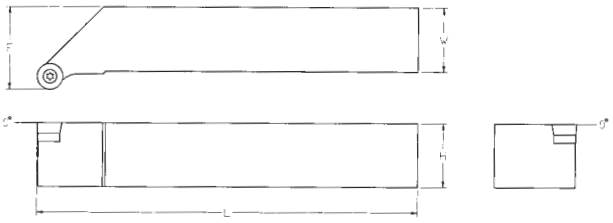


TOOL NUMBER	H	W	L	F	L_2	ANVIL	ANVIL RETAINER	INSERT SCREW	TORX KEY	INSERT
SRDCN 1616H06	16	16	100	11	16	-	-	1225	5507	RCMT-0602MO..
SRDCN 2020K06	20	20	125	13	16	-	-	1225	5507	RCMT-0603MO..
SRDCN 2525M06	25	25	150	15.5	16	-	-	1225	5507	RCMT-0602M0..
SRDCN 1616H08	16	16	100	12	16	-	-	1230	5510	RCMT-0803M0..
SRDCN 2020K08	20	20	125	14	20	-	-	1230	5510	RCMT-0803M0..
SRDCN 2525M08	25	25	150	16.5	25	-	-	1230	5510	RCMT-0803M0..
SRDCN 2020K10	20	20	125	15	20	3811	1750	1335	5516	RCMT-10T3M0..
SRDCN 2525M10	25	25	150	17.5	25	3811	1750	1335	5516	RCMT-10T3M0..
SRDCN 2020K12	20	20	125	16	20	3814	1750	1335	5516	RCMT-1204MO..
SRDCN 2525M12	25	25	150	18.5	25	3814	1750	1335	5516	RCMT-1204MO..
SRDCN 3225P16	32	25	170	20.5	32	3916	1770	1350	5520	RCMT-1606M0..
SRDCN 3232P20	32	32	170	26	35	3920	1780	1560	5525	RCMT-2006MO..

SRSCL/R

RIGHT-HAND VERSION SHOWN

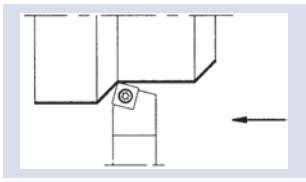


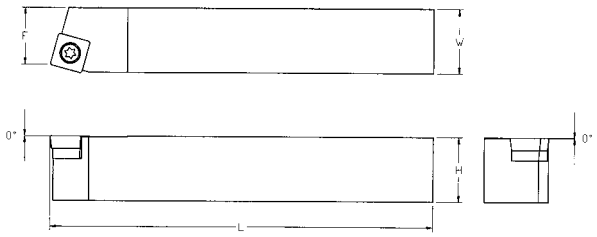


TOOL NUMBER	H	W	L	F	ANVIL	ANVIL RETAINER	INSERT SCREW	TORX KEY	INSERT
SRSCL 1616H06	16	16	100	20	-	-	1225	5507	RCMT-0602M0..
SRSCR 1616H06	16	16	100	20	-	-	1225	5507	RCMT-0602M0..
SRSCL 2020K06	20	20	125	25	-	-	1225	5507	RCMT-0602M0..
SRSCR 2020K06	20	20	125	25	-	-	1225	5507	RCMT-0602M0..
SRSCL 2525M06	25	25	150	32	-	-	1225	5507	RCMT-0602M0..
SRSCR 2525M06	25	25	150	32	-	-	1225	5507	RCMT-0602M0..
SRSCL 1616H08	16	16	100	20	-	-	1230	5510	RCMT-0803M0..
SRSCR 1616H08	16	16	100	20	-	-	1230	5510	RCMT-0803M0..
SRSCL 2020K08	20	20	125	25	-	-	1230	5510	RCMT-0803M0..
SRSCR 2020K08	20	20	125	25	-	-	1230	5510	RCMT-0803M0..
SRSCL 2525M08	25	25	150	32	-	-	1230	5510	RCMT-0803M0..
SRSCR 2525M08	25	25	150	32	-	-	1230	5510	RCMT-0803M0..
SRSCL 2020K10	20	20	125	25	3811	1750	1335	5516	RCMT-10T3MO..
SRSCR 2020K10	20	20	125	25	3811	1750	1335	5516	RCMT-10T3MO..
SRSCL 2525M10	25	25	150	32	3811	1750	1335	5516	RCMT-10T3MO..
SRSCR 2525M10	25	25	150	32	3811	1750	1335	5516	RCMT-10T3MO..
SRSCL 2020K12	20	20	125	25	3814	1750	1335	5516	RCMT-1204MO..
SRSCR 2020K12	20	20	125	25	3814	1750	1335	5516	RCMT-1204MO..
SRSCL 2525M12	25	25	150	32	3814	1750	1335	5516	RCMT-1204M0..
SRSCR 2525M12	25	25	150	32	3814	1750	1335	5516	RCMT-1204M0..
SRSCL 3225P16	32	25	170	32	3916	1770	1350	5520	RCMT-1606MO..
SRSCR 3225P16	32	25	170	32	3916	1770	1350	5520	RCMT-1606MO..
SRSCL 3232P20	32	32	170	40	3920	1780	1560	5525	RCMT-2006MO..
SRSCR 3232P20	32	32	170	40	3920	1780	1560	5525	RCMT-2006MO..

SSBCL/R 75°

RIGHT-HAND VERSION SHOWN

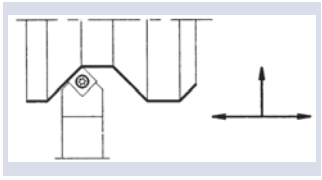


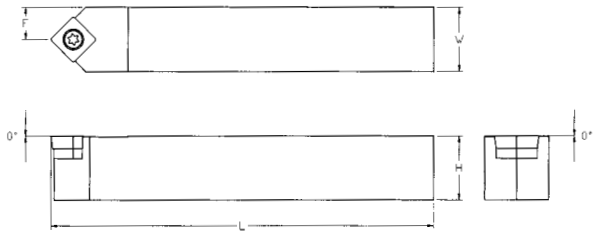


TOOL NUMBER	H	W	L	F	ANVIL	ANVIL RETAINER	INSERT SCREW	TORX KEY	INSERT
SSBCL 1212F09	12	12	80	11	-	-	1240	5515	SCMT-09T3..
SSBCR 1212F09	12	12	80	11	-	-	1240	5515	SCMT-09T3..
SSBCL 1616H09	16	16	100	13	-	-	1240	5515	SCMT-09T3..
SSBCR 1616H09	16	16	100	13	-	-	1240	5515	SCMT-09T3..
SSBCL 2020K12	20	20	125	17	3514	1760	1540	5517	SCMT-1204..
SSBCR 2020K12	20	20	125	17	3514	1760	1540	5517	SCMT-1204..
SSBCL 2525M12	25	25	150	22	3514	1760	1540	5517	SCMT-1204..
SSBCR 2525M12	25	25	150	22	3514	1760	1540	5517	SCMT-1204..

SSDCN 45°

RIGHT-HAND VERSION SHOWN

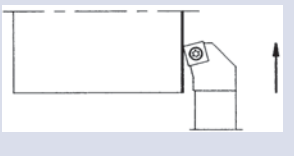


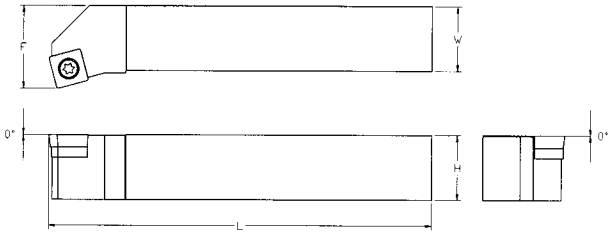


TOOL NUMBER	H	W	L	F	ANVIL	ANVIL RETAINER	INSERT SCREW	TORX KEY	INSERT
SSDCN 1212F09	12	12	80	6	-	-	1240	5515	SCMT-09T3..
SSDCN 1616H09	16	16	100	8	-	-	1240	5515	SCMT-09T3..
SSDCN 2020K12	20	20	125	10	3514	1760	1540	5517	SCMT-1204..
SSDCN 2525M12	25	25	150	12.5	3514	1760	1540	5517	SCMT-1204..

SSKCL/R 75°

RIGHT-HAND VERSION SHOWN

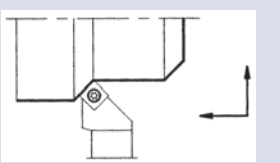


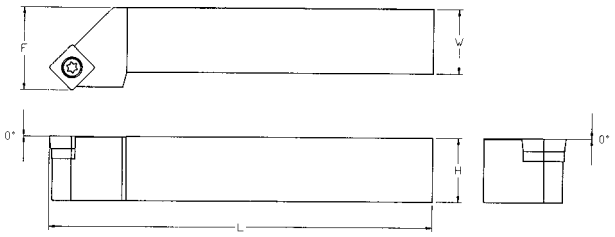


TOOL NUMBER	H	W	L	F	ANVIL	ANVIL RETAINER	INSERT SCREW	TORX KEY	INSERT
SSKCL 1212F09	12	12	80	16	-	-	1240	5515	SCMT-09T3..
SSKCR 1212F09	12	12	80	16	-	-	1240	5515	SCMT-09T3..
SSKCL 1616H09	16	16	100	20	-	-	1240	5515	SCMT-09T3..
SSKCR 1616H09	16	16	100	20	-	-	1240	5515	SCMT-09T3..
SSKCL 2020K12	20	20	125	25	3514	1760	1540	5517	SCMT-1204..
SSKCR 2020K12	20	20	125	25	3514	1760	1540	5517	SCMT-1204..
SSKCL 2525M12	25	25	150	32	3514	1760	1540	5517	SCMT-1204..
SSKCR 2525M12	25	25	150	32	3514	1760	1540	5517	SCMT-1204..

SSSCL/R 45°

RIGHT-HAND VERSION SHOWN

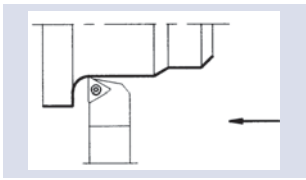


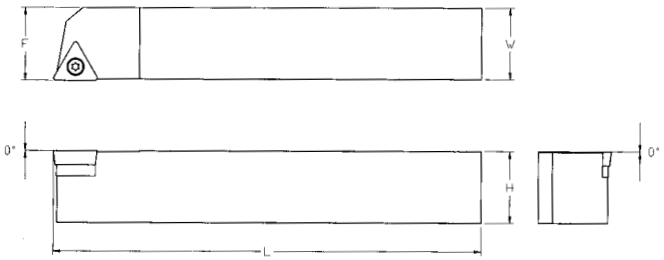


TOOL NUMBER	H	W	L	F	ANVIL	ANVIL RETAINER	INSERT SCREW	TORX KEY	INSERT
SSSCL 1212F09	12	12	80	16	-	-	1240	5515	SCMT-09T3..
SSSCR 1212F09	12	12	80	16	-	-	1240	5515	SCMT-09T3..
SSSCL 1616H09	16	16	100	20	-	-	1240	5515	SCMT-09T3..
SSSCR 1616H09	16	16	100	20	-	-	1240	5515	SCMT-09T3..
SSSCL 2020K12	20	20	125	25	3514	1760	1540	5517	SCMT-1204..
SSSCR 2020K12	20	20	125	25	3514	1760	1540	5517	SCMT-1204..
SSSCL 2525M12	25	25	150	32	3514	1760	1540	5517	SCMT-1204..
SSSCR 2525M12	25	25	150	32	3514	1760	1540	5517	SCMT-1204..

STACL/R 90°

RIGHT-HAND VERSION SHOWN

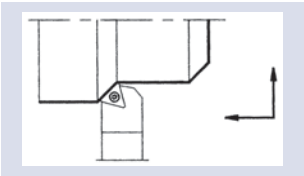


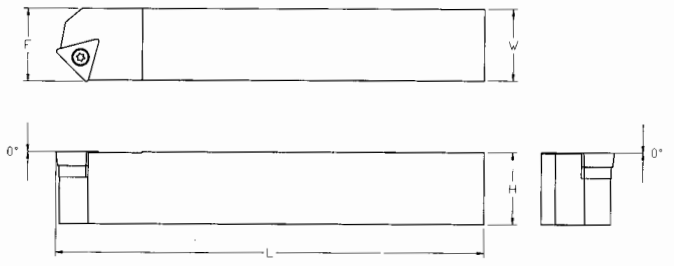


TOOL NUMBER	H	W	L	F	ANVIL	ANVIL RETAINER	INSERT SCREW	TORX KEY	INSERT
STACL 0808D09	8	8	60	8.5	-	-	1222	5506	TCMT-0902..
STACR 0808D09	8	8	60	8.5	-	-	1222	5506	TCMT-0902..
STACL 1010E09	10	10	70	10.5	-	-	1222	5506	TCMT-0902..
STACR 1010E09	10	10	70	10.5	-	-	1222	5506	TCMT-0902..
STACL 1212F11	12	12	80	12.5	-	-	1225	5507	TCMT-1102..
STACR 1212F11	12	12	80	12.5	-	-	1225	5507	TCMT-1102..
STACL 1616H11	16	16	100	16.5	-	-	1225	5507	TCMT-1102..
STACR 1616H11	16	16	100	16.5	-	-	1225	5507	TCMT-1102..
STACL 1616H16	16	16	100	16.5	3414	1750	1335	5516	TCMT-16T3..
STACR 1616H16	16	16	100	16.5	3414	1750	1335	5516	TCMT-16T3..
STACL 2020K16	20	20	125	20.5	3414	1750	1335	5516	TCMT-16T3..
STACR 2020K16	20	20	125	20.5	3414	1750	1335	5516	TCMT-16T3..
STACL 2525M16	25	25	150	25.5	3414	1750	1335	5516	TCMT-16T3..
STACR 2525M16	25	25	150	25.5	3414	1750	1335	5516	TCMT-16T3..

STDCL/R 45°

RIGHT-HAND VERSION SHOWN

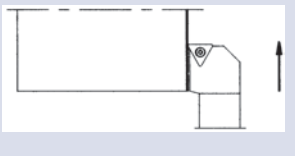


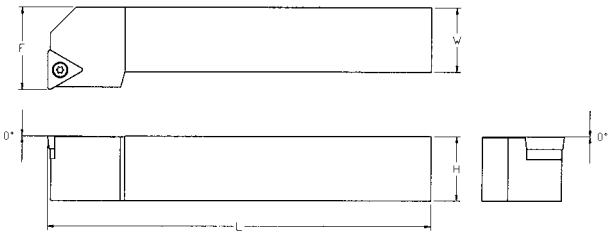


TOOL NUMBER	H	W	L	F	ANVIL	ANVIL RETAINER	INSERT SCREW	TORX KEY	INSERT
STDCL 0808D09	8	8	60	10	-	-	1222	5506	TCMT-0902..
STDCR 0808D09	8	8	60	10	-	-	1222	5506	TCMT-0902..
STDCL 1010E09	10	10	70	11	-	-	1222	5506	TCMT-0902..
STDCR 1010E09	10	10	70	11	-	-	1222	5506	TCMT-0902..
STDCL 1212F11	12	12	80	13	-	-	1225	5507	TCMT-1102..
STDCR 1212F11	12	12	80	13	-	-	1225	5507	TCMT-1102..
STDCL 1616H11	16	16	100	17	-	-	1225	5507	TCMT-1102..
STDCR 1616H11	16	16	100	17	-	-	1225	5507	TCMT-1102..
STDCL 1616H16	16	16	100	17	3414	1750	1335	5516	TCMT-16T3..
STDCR 1616H16	16	16	100	17	3414	1750	1335	5516	TCMT-16T3..
STDCL 2020K16	20	20	125	22	3414	1750	1335	5516	TCMT-16T3..
STDCR 2020K16	20	20	125	22	3414	1750	1335	5516	TCMT-16T3..
STDCL 2525M16	25	25	150	27	3414	1750	1335	5516	TCMT-16T3..
STDCR 2525M16	25	25	150	27	3414	1750	1335	5516	TCMT-16T3..

STFCL/R 90°

RIGHT-HAND VERSION SHOWN

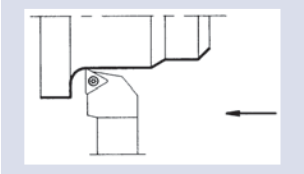


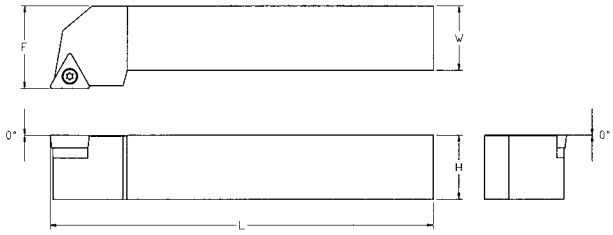


TOOL NUMBER	H	W	L	F	ANVIL	ANVIL RETAINER	INSERT SCREW	TORX KEY	INSERT
STFCL 0808D09	8	8	60	10	-	-	1222	5506	TCMT-0902..
STFCR 0808D09	8	8	60	10	-	-	1222	5506	TCMT-0902..
STFCL 1010E09	10	10	70	12	-	-	1222	5506	TCMT-0902..
STFCR 1010E09	10	10	70	12	-	-	1222	5506	TCMT-0902..
STFCL 1212F11	12	12	80	16	-	-	1225	5507	TCMT-1102..
STFCR 1212F11	12	12	80	16	-	-	1225	5507	TCMT-1102..
STFCL 1616H11	16	16	100	20	-	-	1225	5507	TCMT-1102..
STFCR 1616H11	16	16	100	20	-	-	1225	5507	TCMT-1102..
STFCL 1616H16	16	16	100	20	3414	1750	1335	5516	TCMT-16T3..
STFCR 1616H16	16	16	100	20	3414	1750	1335	5516	TCMT-16T3..
STFCL 2020K16	20	20	125	25	3414	1750	1335	5516	TCMT-16T3..
STFCR 2020K16	20	20	125	25	3414	1750	1335	5516	TCMT-16T3..
STFCL 2525M16	25	25	150	32	3414	1750	1335	5516	TCMT-16T3..
STFCR 2525M16	25	25	150	32	3414	1750	1335	5516	TCMT-16T3..

STGCL/R 90°

RIGHT-HAND VERSION SHOWN

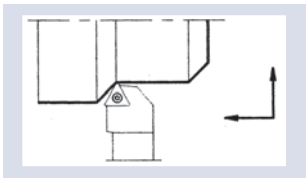


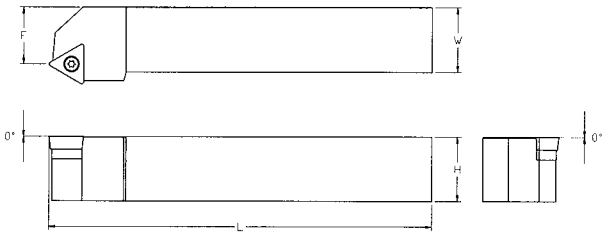


TOOL NUMBER	H	W	L	F	ANVIL	ANVIL RETAINER	INSERT SCREW	TORX KEY	INSERT
STGCL 0808D09	8	8	60	10	-	-	1222	5506	TCMT-0902..
STGCR 0808D09	8	8	60	10	-	-	1222	5506	TCMT-0902..
STGCL 1010E09	10	10	70	12	-	-	1222	5506	TCMT-0902..
STGCR 1010E09	10	10	70	12	-	-	1222	5506	TCMT-0902..
STGCL 1212F09	12	12	80	16	-	-	1222	5506	TCMT-0902..
STGCR 1212F09	12	12	80	16	-	-	1222	5506	TCMT-0902..
STGCL 1212F11	12	12	80	16	-	-	1225	5507	TCMT-1102..
STGCR 1212F11	12	12	80	16	-	-	1225	5507	TCMT-1102..
STGCL 1616H11	16	16	100	20	-	-	1225	5507	TCMT-1102..
STGCR 1616H11	16	16	100	20	-	-	1225	5507	TCMT-1102..
STGCL 1616H16	16	16	100	20	3414	1750	1335	5516	TCMT-16T3..
STGCR1616H16	16	16	100	20	3414	1750	1335	5516	TCMT-16T3..
STGCL 2020K16	20	20	125	25	3414	1750	1335	5516	TCMT-16T3..
STGCR 2020K16	20	20	125	25	3414	1750	1335	5516	TCMT-16T3..
STGCL 2525M16	25	25	150	32	3414	1750	1335	5516	TCMT-16T3..
STGCR 2525M16	25	25	150	32	3414	1750	1335	5516	TCMT-16T3..

STTCL/R 60°

RIGHT-HAND VERSION SHOWN

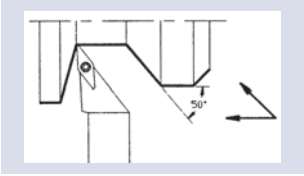


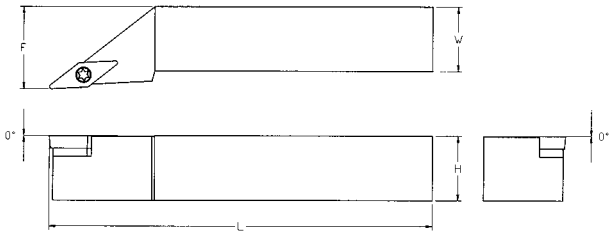


TOOL NUMBER	H	W	L	F	ANVIL	ANVIL RETAINER	INSERT SCREW	TORX KEY	INSERT
STTCL 0808D09	8	8	60	7	-	-	1222	5506	TCMT-0902..
STTCR 0808D09	8	8	60	7	-	-	1222	5506	TCMT-0902..
STTCL 1010E09	10	10	70	9	-	-	1222	5506	TCMT-0902..
STTCR 1010E09	10	10	70	9	-	-	1222	5506	TCMT-0902..
STTCL 1212F11	12	12	80	11	-	-	1225	5507	TCMT-1102..
STTCR 1212F11	12	12	80	11	-	-	1225	5507	TCMT-1102..
STTCL 1616H11	16	16	100	13	-	-	1225	5507	TCMT-1102..
STTCR 1616H11	16	16	100	13	-	-	1225	5507	TCMT-1102..
STTCL 1616H16	16	16	100	13	3414	1750	1335	5516	TCMT-16T3..
STTCR 1616H16	16	16	100	13	3414	1750	1335	5516	TCMT-16T3..
STTCL 2020K16	20	20	125	17	3414	1750	1335	5516	TCMT-16T3..
STTCR 2020K16	20	20	125	17	3414	1750	1335	5516	TCMT-16T3..
STTCL 2525M16	25	25	150	22	3414	1750	1335	5516	TCMT-16T3..
STTCR 2525M16	25	25	150	22	3414	1750	1335	5516	TCMT-16T3..

SVJBL/R 93°

RIGHT-HAND VERSION SHOWN

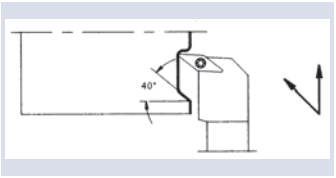


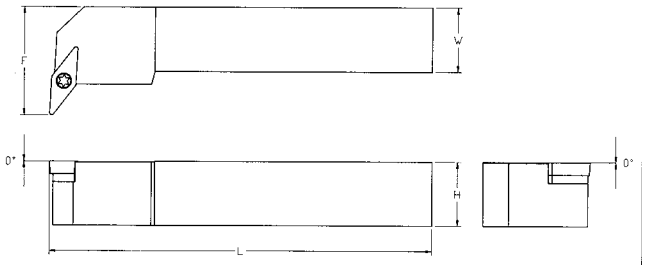


TOOL NUMBER	H	W	L	F	ANVIL	ANVIL RETAINER	INSERT SCREW	TORX KEY	INSERT
SVJBL 2020K16	20	20	125	25	3718	1750	1335	5516	VBMT-1604..
SVJBR 2020K16	20	20	125	25	3718	1750	1335	5516	VBMT-1604..
SVJBL 2525M16	25	25	150	32	3718	1750	1335	5516	VBMT-1604..
SVJBR 2525M16	25	25	150	32	3718	1750	1335	5516	VBMT-1604..
SVJBL 3225P16	32	25	170	32	3718	1750	1335	5516	VBMT-1604..
SVJBR 3225P16	32	25	170	32	3718	1750	1335	5516	VBMT-1604..

SVUBL/R 93°

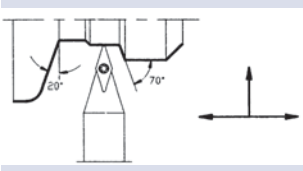
RIGHT-HAND VERSION SHOWN

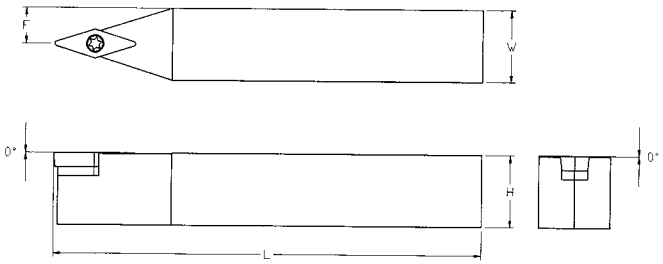




TOOL NUMBER	H	W	L	F	ANVIL	ANVIL RETAINER	INSERT SCREW	TORX KEY	INSERT
SVUBL 2020K16	20	20	125	37	3718	1750	1335	5516	VBMT-1604..
SVUBR 2020K16	20	20	125	37	3718	1750	1335	5516	VBMT-1604..
SVUBL 2525M16	25	25	150	42	3718	1750	1335	5516	VBMT-1604..
SVUBR 2525M16	25	25	150	42	3718	1750	1335	5516	VBMT-1604..
SVUBL 3225P16	32	25	170	42	3718	1750	1335	5516	VBMT-1604..
SVUBR 3225P16	32	25	170	42	3718	1750	1335	5516	VBMT-1604..

SVVBN 72.5°





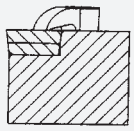
TOOL NUMBER	H	W	L	F	ANVIL	ANVIL RETAINER	INSERT SCREW	TORX KEY	INSERT
SVVBN 2020K16	20	20	125	10	3718	1750	1335	5516	VBMT-1604..
SVVBN 2525M16	25	25	150	12.5	3718	1750	1335	5516	VBMT-1604..
SVVBN 3225P16	32	25	170	12.5	3718	1750	1335	5516	VBMT-1604..

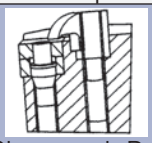
I.S.O. IDENTIFICATION

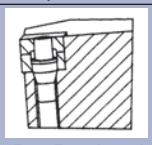
LENGTH OF TOOL IN MILLIMETRES

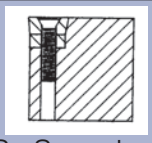
A - 32	B - 40	C - 50	D - 60	E - 70
F - 80	G - 90	H - 100	J - 110	K - 125
L - 140	M - 150	N - 160	P - 170	Q - 180
R - 200	S - 250	T - 300	U - 350	V - 400
W - 450	X - SPECIAL	Y - 500		

LOCKING SYSTEM


C - Clamp Lock


M - Clamp and Pin Lock


P - Pin Lock


S - Screw Lock

W - Wedge Lock

S	25	T	C	T

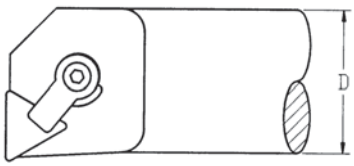
SHANK TYPE

A - Steel through coolant

C - Carbide

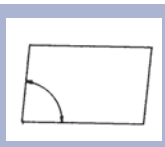
S - Steel

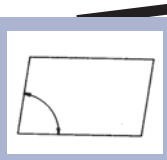
DIAMETER OF BAR IN MILLIMETRES

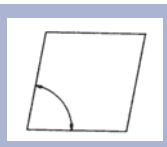


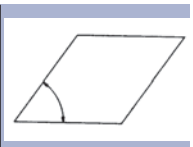
08 = 8mm ø
25 = 25mm ø

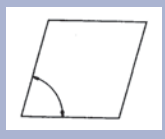
STYLE OF INSERT

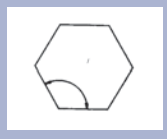

A - 85°

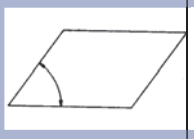

B - 82°

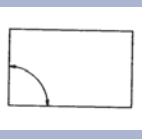

C - 80°

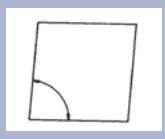

D - 55°

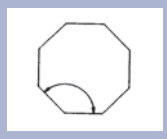

E - 75°


H - 120°

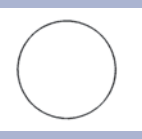

K - 55°

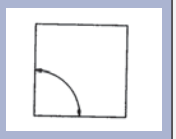

L - 90°


M - 86°

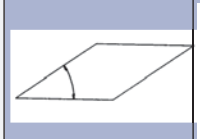

O - 135°

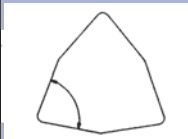
P - 108°


R - 360°


S - 90°

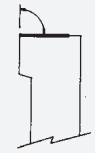
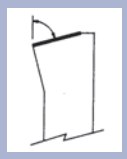
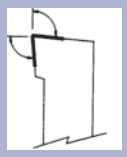
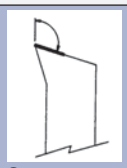
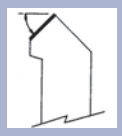
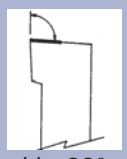
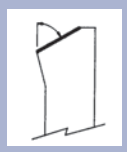
T - 60°


V - 35°

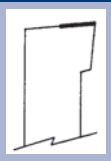

W - 80°

KEY FOR BORING BARS

APPROACH ANGLE

 F - 90°	 K - 75°	 L - 95°
 Q - 107.5°	 S - 45°	 U - 93°
 W - 60°	Y - 85°	X - Special

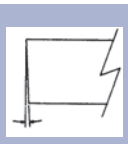
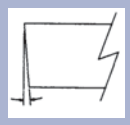
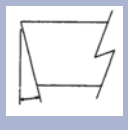
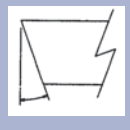
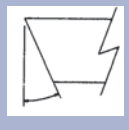
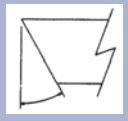
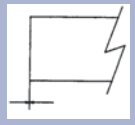
HAND OF BAR


L - Left-Hand

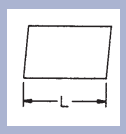
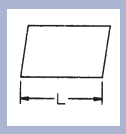
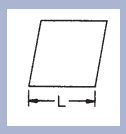
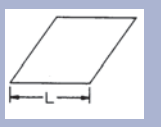
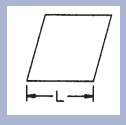
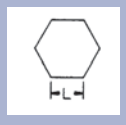
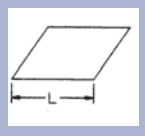
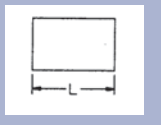
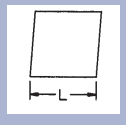
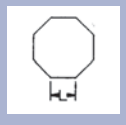
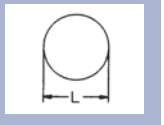
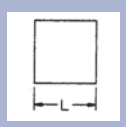
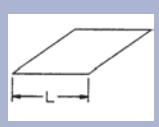
R - Right-Hand

F	P	R	16	OPTIONAL

INSERT CLEARANCE

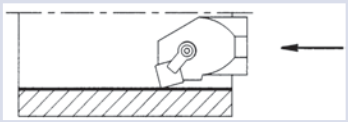
 A - 3°	 B - 5°	C - 7°
 D - 15°	 E - 20°	 F - 25°
 G - 30°	 N - 0°	P - 11°

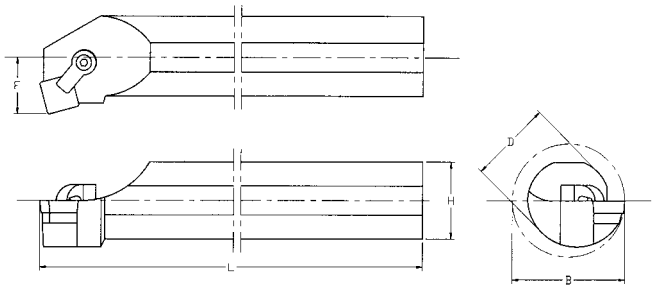
CUTTING EDGE LENGTH OF INSERT IN MM

 A	 B	 C	 D
 E	 H	 K	 L
 M	 O	P	 R
 S	T	 V	W

CSKPL/R 75°

RIGHT-HAND VERSION SHOWN

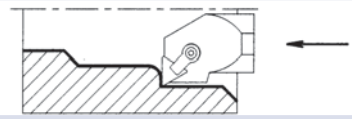


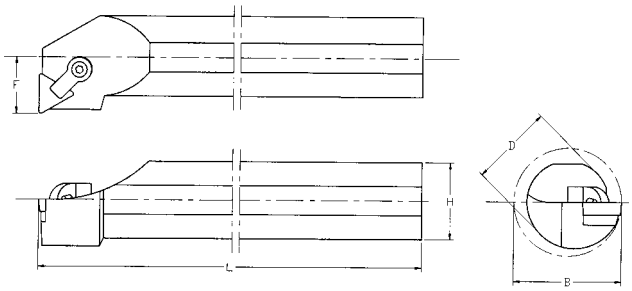


TOOL NUMBER	D	B	L	F	H	CLAMP	CLAMP SCREW	ANVIL	ANVIL SCREW	KEY	INSERT
S16R CSKPL-09	16	20	200	11	15	2605	1185	-	-	2.5	SPMR-0903..
S16R CSKPR-09	16	20	200	11	15	2605	1185	-	-	2.5	SPMR-0903..
S20S CSKPL-09	20	25	250	13	18	2605	1185	-	-	2.5	SPMR-0903..
S20S CSKPR-09	20	25	250	13	18	2605	1185	-	-	2.5	SPMR-0903..
S25T CSKPL-12	25	32	300	17	23	2604	1185	-	-	2.5	SPMR-1203..
S25T CSKPR-12	25	32	300	17	23	2604	1185	-	-	2.5	SPMR-1203..
S32U CSKPL-12	32	40	350	22	30	2604	1185	SM40	3X10	2.5	SPMR-1203..
S32U CSKPR-12	32	40	350	22	30	2604	1185	SM40	3X10	2.5	SPMR-1203..
S40V CSKPL-12	40	50	400	27	37	2604	1185	SM40	3X10	2.5	SPMR-1203..
S40V CSKPR-12	40	50	400	27	37	2604	1185	SM40	3X10	2.5	SPMR-1203..

CTFPL/R 90°

RIGHT-HAND VERSION SHOWN

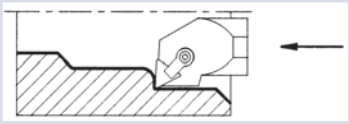


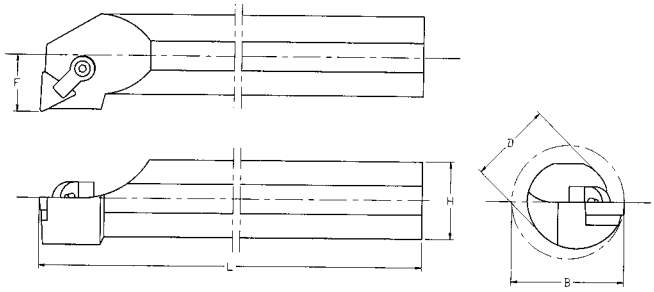


TOOL NUMBER	D	B	L	F	H	CLAMP	CLAMP SCREW	ANVIL	ANVIL SCREW	KEY	INSERT
S10M CTFPL-09	10	12	150	7	9	2000	-	-	-	1.5	TPMR-0902..
S10M CTFPR-09	10	12	150	7	9	2000	-	-	-	1.5	TPMR-0902..
S12M CTFPL-09	12	16	150	9	11	2000	-	-	-	1.5	TPMR-0902..
S12M CTFPR-09	12	16	150	9	11	2000	-	-	-	1.5	TPMR-0902..
S12M CTFPL-11	12	16	150	9	11	2304	-	-	-	2.5	TPMR-1103..
S12M CTFPR-11	12	16	150	9	11	2304	-	-	-	2.5	TPMR-1103..
S16R CTFPL-11	16	20	200	11	15	2605	1185	-	-	2.5	TPMR-1103..
S16R CTFPR-11	16	20	200	11	15	2605	1185	-	-	2.5	TPMR-1103..
S20S CTFPL-11	20	25	250	13	18	2605	1185	-	-	2.5	TPMR-1103..
S20S CTFPR-11	20	25	250	13	18	2605	1185	-	-	2.5	TPMR-1103..
S16R CTFPL-16	16	20	200	11	15	2605	1185	-	-	2.5	TPMR-1603..
S16R CTFPR-16	16	20	200	11	15	2605	1185	-	-	2.5	TPMR-1603..
S20S CTFPL-16	20	25	250	13	18	2605	1185	-	-	2.5	TPMR-1603..
S20S CTFPR-16	20	25	250	13	18	2605	1185	-	-	2.5	TPMR-1603..
S25T CTFPL-16	25	32	300	17	23	2604	1185	SM41	3X08	2.5	TPMR-1603..
S25T CTFPR-16	25	32	300	17	23	2604	1185	SM41	3X08	2.5	TPMR-1603..
S32U CTFPL-16	32	40	350	22	30	2604	1185	SM41	3X10	2.5	TPMR-1603..
S32U CTFPR-16	32	40	350	22	30	2604	1185	SM41	3X10	2.5	TPMR-1603..
S40V CTFPL-16	40	50	400	27	37	2604	1185	SM41	3X10	2.5	TPMR-1603..
S40V CTFPR-16	40	50	400	27	37	2604	1185	SM41	3X10	2.5	TPMR-1603..
S50W CTFPL-16	50	63	450	35	47	2604	1185	SM41	3X10	2.5	TPMR-1603..
S50W CTFPR-16	50	63	450	35	47	2604	1185	SM41	3X10	2.5	TPMR-1603..
S40V CTFPL-22	40	50	400	27	37	2612	1186	SM37	4X12	3.0	TPMR-2204..
S40V CTFPR-22	40	50	400	27	37	2612	1186	SM37	4X12	3.0	TPMR-2204..
S50W CTFPL-22	50	63	450	35	47	2612	1186	SM37	4X12	3.0	TPMR-2204..
S50W CTFPR-22	50	63	450	35	47	2612	1186	SM37	4X12	3.0	TPMR-2204..

CTUPL/R 93°

RIGHT-HAND VERSION SHOWN

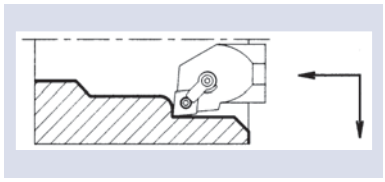


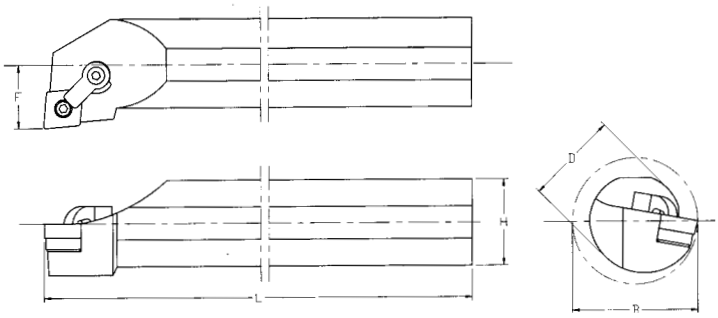


TOOL NUMBER	D	B	L	F	H	CLAMP	CLAMP SCREW	ANVIL	ANVIL SCREW	KEY	INSERT
S10M CTUPL-09	10	12	150	7	9	2000	-	-	-	1.5	TPMR-0902..
S10M CTUPR-09	10	12	150	7	9	2000	-	-	-	1.5	TPMR-0902..
S12M CTUPL-09	12	16	150	9	11	2000	-	-	-	1.5	TPMR-0902..
S12M CTUPR-09	12	16	150	9	11	2000	-	-	-	1.5	TPMR-0902..
S12M CTUPL-11	12	16	150	9	11	2304	-	-	-	2.5	TPMR-1103..
S12M CTUPR-11	12	16	150	9	11	2304	-	-	-	2.5	TPMR-1103..
S16R CTUPL-11	16	20	200	11	15	2605	1185	-	-	2.5	TPMR-1103..
S16R CTUPR-11	16	20	200	11	15	2605	1185	-	-	2.5	TPMR-1103..
S20S CTUPL-11	20	25	250	13	18	2605	1185	-	-	2.5	TPMR-1103..
S20S CTUPR-11	20	25	250	13	18	2605	1185	-	-	2.5	TPMR-1103..
S16R CTUPL-16	16	20	200	11	15	2605	1185	-	-	2.5	TPMR-1603..
S16R CTUPR-16	16	20	200	11	15	2605	1185	-	-	2.5	TPMR-1603..
S20S CTUPL-16	20	25	250	13	18	2605	1185	-	-	2.5	TPMR-1603..
S20S CTUPR-16	20	25	250	13	18	2605	1185	-	-	2.5	TPMR-1603..
S25T CTUPL-16	25	32	300	17	23	2604	1185	SM41	3X08	2.5	TPMR-1603..
S25T CTUPR-16	25	32	300	17	23	2604	1185	SM41	3X08	2.5	TPMR-1603..
S32U CTUPL-16	32	40	350	22	30	2604	1185	SM41	3X10	2.5	TPMR-1603..
S32U CTUPR-16	32	40	350	22	30	2604	1185	SM41	3X10	2.5	TPMR-1603..
S40V CTUPL-16	40	50	400	27	37	2604	1185	SM41	3X10	2.5	TPMR-1603..
S40V CTUPR-16	40	50	400	27	37	2604	1185	SM41	3X10	2.5	TPMR-1603..
S50W CTUPL-16	50	63	450	35	47	2604	1185	SM41	3X10	2.5	TPMR-1603..
S50W CTUPR-16	50	63	450	35	47	2604	1185	SM41	3X10	2.5	TPMR-1603..
S40V CTUPL-22	40	50	400	27	37	2612	1186	SM37	4X12	3.0	TPMR-2204..
S40V CTUPR-22	40	50	400	27	37	2612	1186	SM37	4X12	3.0	TPMR-2204..
S50W CTUPL-22	50	63	450	35	47	2612	1186	SM37	4X12	3.0	TPMR-2204..
S50W CTUPR-22	50	63	450	35	47	2612	1186	SM37	4X12	3.0	TPMR-2204..

MCLNL/R 95°

RIGHT-HAND VERSION SHOWN

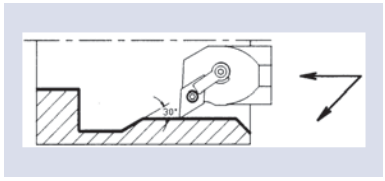


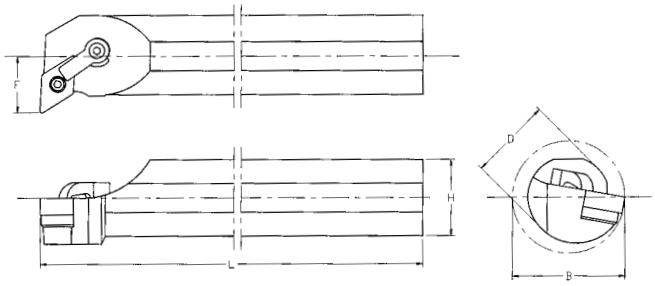


TOOL NUMBER	D	B	L	F	H	CLAMP	CLAMP SCREW	ANVIL	ANVIL SCREW	KEY	INSERT
S25T MCLNL-12	25	32	300	17	23	2613	1186	-	1686	2.5&3.0	CNMG-1204..
S25T MCLNR-12	25	32	300	17	23	2613	1186	-	1686	2.5&3.0	CNMG-1204..
S32U MCLNL-12	32	40	350	22	30	2613	1086	3612	1656	2.5&3.0	CNMG-1204..
S32U MCLNR-12	32	40	350	22	30	2613	1086	3612	1656	2.5&3.0	CNMG-1204..
S40V MCLNL-12	40	50	400	27	37	2613	1086	3612	1656	2.5&3.0	CNMG-1204..
S40V MCLNR-12	40	50	400	27	37	2613	1086	3612	1656	2.5&3.0	CNMG-1204..
S50W MCLNL-19	50	63	450	35	47	2621	1098	3619	1670	3.0&4.0	CNMG-1906..
S50W MCLNR-19	50	63	450	35	47	2621	1098	3619	1670	3.0&4.0	CNMG-1906..

MDUNL/R 93°

RIGHT-HAND VERSION SHOWN



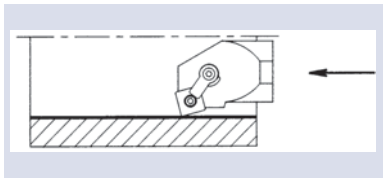


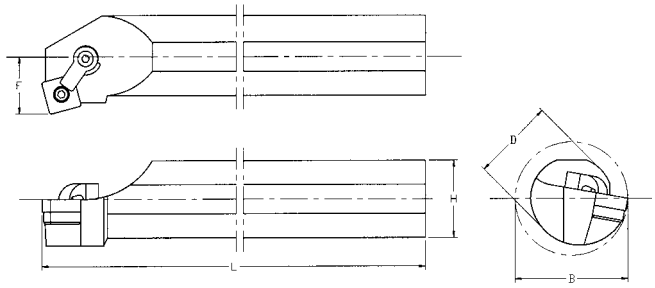
TOOL NUMBER	D	B	L	F	H	CLAMP	CLAMP SCREW	ANVIL	ANVIL SCREW	KEY	INSERT
S25T MDUNL-15	25	32	300	17	23	2614	1186	-	1686	2.5&3.0	DNMG-1506..
S25T MDUNR-15	25	32	300	17	23	2614	1186	-	1686	2.5&3.0	DNMG-1506..
S32U MDUNL-15	32	40	350	22	30	2614	1086	*3715	1666	2.5&3.0	DNMG-1506..
S32U MDUNR-15	32	40	350	22	30	2614	1086	*3715	1666	2.5&3.0	DNMG-1506..
S40V MDUNL-15	40	50	400	27	37	2614	1086	*3715	1666	2.5&3.0	DNMG-1506..
S40V MDUNR-15	40	50	400	27	37	2614	1086	*3715	1666	2.5&3.0	DNMG-1506..
S50W MDUNL-15	50	63	450	35	47	2614	1086	*3715	1666	2.5&3.0	DNMG-1506..
S50W MDUNR-15	50	63	450	35	47	2614	1086	*3715	1666	2.5&3.0	DNMG-1506..

* Boring bars are supplied with 3715 anvil as standard to suit DNMG-1506.. insert. If DNMG-1504.. insert is to be used, specify optional 4715 anvil.

MSKNL/R 75°

RIGHT-HAND VERSION SHOWN

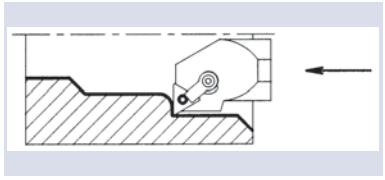


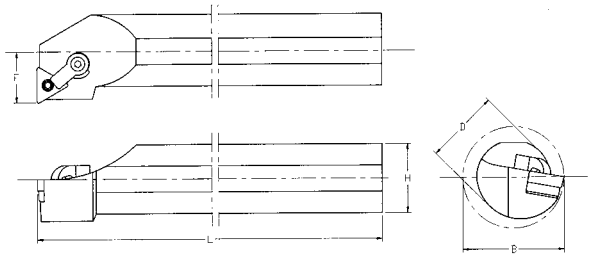


TOOL NUMBER	D	B	L	F	H	CLAMP	CLAMP SCREW	ANVIL	ANVIL SCREW	KEY	INSERT
S25T MSKNL-12	25	32	300	17	23	2613	1186	-	1686	2.5&3.0	SNMG-1204..
S25T MSKNR-12	25	32	300	17	23	2613	1186	-	1686	2.5&3.0	SNMG-1204..
S32U MSKNL-12	32	40	350	22	30	2613	1086	3512	1666	2.5&3.0	SNMG-1204..
S32U MSKNR-12	32	40	350	22	30	2613	1086	3512	1666	2.5&3.0	SNMG-1204..
S40V MSKNL-12	40	50	400	27	37	2613	1086	3512	1666	2.5&3.0	SNMG-1204..
S40V MSKNR-12	40	50	400	27	37	2613	1086	3512	1666	2.5&3.0	SNMG-1204..
S50W MSKNL-19	50	63	450	35	47	2621	1098	3519	1670	3.0&4.0	SNMG-1906..
S50W MSKNR-19	50	63	450	35	47	2621	1098	3519	1670	3.0&4.0	SNMG-1906..

MTFNL/R 90°

RIGHT-HAND VERSION SHOWN



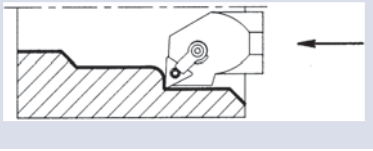


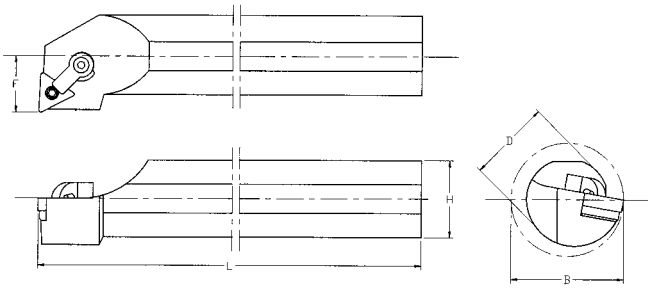
TOOL NUMBER	D	B	L	F	H	CLAMP	CLAMP SCREW	ANVIL	ANVIL SCREW	KEY	INSERT
S20S MTFNL-11	20	25	250	13	18	2605	1185	-	1623	1.5&2.5	TNMG-1103..
S20S MTFNR-11	20	25	250	13	18	2605	1185	-	1623	1.5&2.5	TNMG-1103..
S25T MTFNL-16	25	32	300	17	23	2613	1186	* 3417	1665	2.0&3.0	TNMG-1604..
S25T MTFNR-16	25	32	300	17	23	2613	1186	* 3417	1665	2.0&3.0	TNMG-1604..
S32U MTFNL-16	32	40	350	22	30	2613	1086	* 3417	1665	2.0&3.0	TNMG-1604..
S32U MTFNR-16	32	40	350	22	30	2613	1086	* 3417	1665	2.0&3.0	TNMG-1604..
S40V MTFNL-16	40	50	400	27	37	2613	1086	* 3417	1665	2.0&3.0	TNMG-1604..
S40V MTFNR-16	40	50	400	27	37	2613	1086	* 3417	1665	2.0&3.0	TNMG-1604..
S40V MTFNL-22	40	50	400	27	37	2620	1098	3422	1656	2.5&4.0	TNMG-2204..
S40V MTFNR-22	40	50	400	27	37	2620	1098	3422	1656	2.5&4.0	TNMG-2204..
S50W MTFNL-22	50	63	450	35	47	2620	1098	3422	1656	2.5&4.0	TNMG-2204..
S50W MTFNR-22	50	63	450	35	47	2620	1098	3422	1656	2.5&4.0	TNMG-2204..

* Boring bars are supplied with 3417 anvil as standard to suit TNMG-1604.. insert. If TNMG-1603.. insert is to be used, specify optional 3418 anvil.

MTUNL/R 93°

RIGHT-HAND VERSION SHOWN



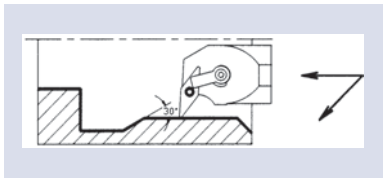


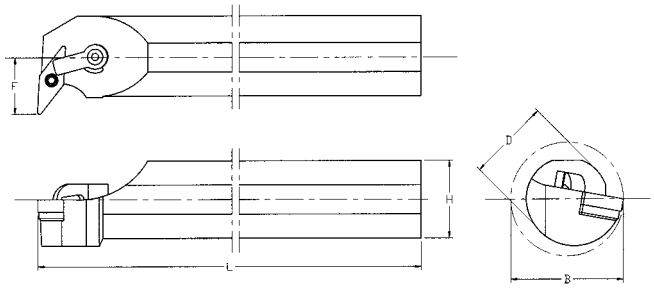
TOOL NUMBER	D	B	L	F	H	CLAMP	CLAMP SCREW	ANVIL	ANVIL SCREW	KEY	INSERT
S20S MTUNL-11	20	25	250	13	18	2605	1185	-	1623	1.5&2.5	TNMG-1103..
S20S MTUNR-11	20	25	250	13	18	2605	1185	-	1623	1.5&2.5	TNMG-1103..
S25T MTUNL-16	25	32	300	17	23	2613	1186	*3417	1665	2.0&3.0	TNMG-1604..
S25T MTUNR-16	25	32	300	17	23	2613	1186	*3417	1665	2.0&3.0	TNMG-1604..
S32U MTUNL-16	32	40	350	22	30	2613	1086	*3417	1665	2.0&3.0	TNMG-1604..
S32U MTUNR-16	32	40	350	22	30	2613	1086	*3417	1665	2.0&3.0	TNMG-1604..
S40V MTUNL-16	40	50	400	27	37	2613	1086	*3417	1665	2.0&3.0	TNMG-1604..
S40V MTUNR-16	40	50	400	27	37	2613	1086	*3417	1665	2.0&3.0	TNMG-1604..
S40V MTUNL-22	40	50	400	27	37	2620	1098	3422	1656	2.5&4.0	TNMG-2204..
S40V MTUNR-22	40	50	400	27	37	2620	1098	3422	1656	2.5&4.0	TNMG-2204..
S50W MTUNL-22	50	63	450	35	47	2620	1098	3422	1656	2.5&4.0	TNMG-2204..
S50W MTUNR-22	50	63	450	35	47	2620	1098	3422	1656	2.5&4.0	TNMG-2204..

* Boring bars are supplied with 3417 anvil as standard to suit TNMG-1604.. insert. If TNMG-1603.. insert is to be used, specify optional 3418 anvil.

MVUNL/R 93°

RIGHT-HAND VERSION SHOWN

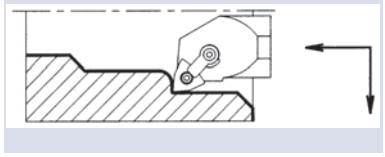


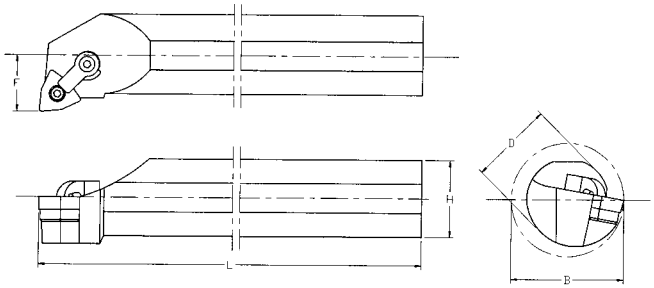


TOOL NUMBER	D	B	L	F	H	CLAMP	CLAMP SCREW	ANVIL	ANVIL SCREW	KEY	INSERT
S25T MVUNL-16	25	32	300	17	23	2614	1186	3716	1665	2.0&3.0	VNMG-1604..
S25T MVUNR-16	25	32	300	17	23	2614	1186	3716	1665	2.0&3.0	VNMG-1604..
S32U MVUNL-16	32	40	350	22	30	2614	1086	3716	1665	2.0&3.0	VNMG-1604..
S32U MVUNR-16	32	40	350	22	30	2614	1086	3716	1665	2.0&3.0	VNMG-1604..
S40V MVUNL-16	40	50	400	27	37	2614	1086	3716	1665	2.0&3.0	VNMG-1604..
S40V MVUNR-16	40	50	400	27	37	2614	1086	3716	1665	2.0&3.0	VNMG-1604..
S50W MVUNL-16	50	63	450	35	47	2614	1086	3716	1665	2.0&3.0	VNMG-1604..
S50W MVUNR-16	50	63	450	35	47	2614	1086	3716	1665	2.0&3.0	VNMG-1604..

MWLNL/R 95°

RIGHT-HAND VERSION SHOWN

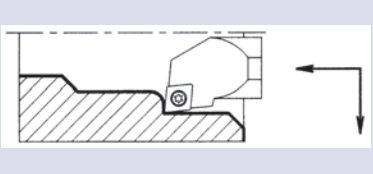


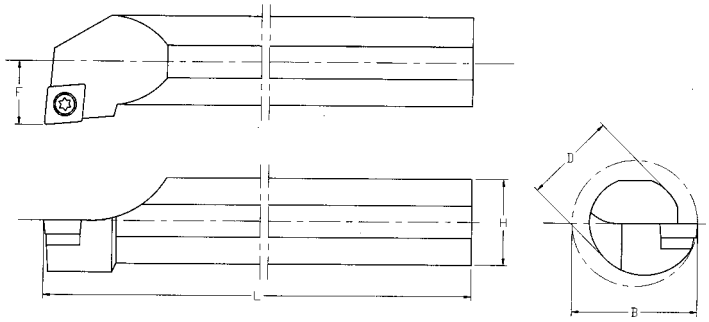


TOOL NUMBER	D	B	L	F	H	CLAMP	CLAMP SCREW	ANVIL	ANVIL SCREW	KEY	INSERT
S25T MWLNL-06	25	32	300	17	23	2613	1186	2006	1665	2.0&3.0	WNMG-0604..
S25T MWLNR-06	25	32	300	17	23	2613	1186	2006	1665	2.0&3.0	WNMG-0604..
S32U MWLNL-06	32	40	350	22	30	2613	1086	2006	1665	2.0&3.0	WNMG-0604..
S32U MWLNR-06	32	40	350	22	30	2613	1086	2006	1665	2.0&3.0	WNMG-0604..
S25T MWLNL-08	25	32	300	17	23	2613	1186	-	1686	2.5&3.0	WNMG-0804..
S25T MWLNR-08	25	32	300	17	23	2613	1186	-	1686	2.5&3.0	WNMG-0804..
S32U MWLNL-08	32	40	350	22	30	2613	1086	3006	1656	2.5&3.0	WNMG-0804..
S32U MWLNR-08	32	40	350	22	30	2613	1086	3006	1656	2.5&3.0	WNMG-0804..
S40V MWLNL-08	40	50	400	27	37	2613	1086	3006	1656	2.5&3.0	WNMG-0804..
S40V MWLNR-08	40	50	400	27	37	2613	1086	3006	1656	2.5&3.0	WNMG-0804..
S50W MWLNL-08	50	63	450	35	47	2613	1086	3006	1656	2.5&3.0	WNMG-0804..
S50W MWLNR-08	50	63	450	35	47	2613	1086	3006	1656	2.5&3.0	WNMG-0804..

SCLCL/R 95°

RIGHT-HAND VERSION SHOWN

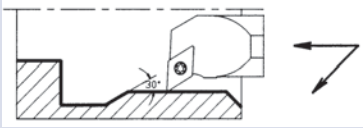


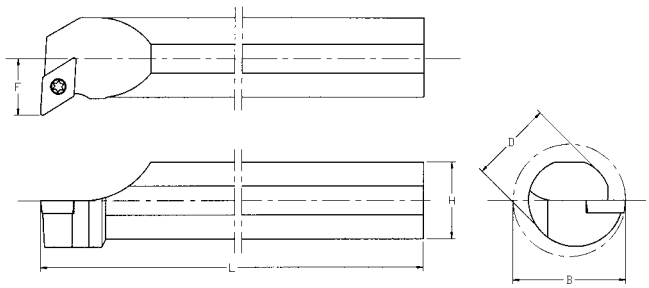


TOOL NUMBER	D	B	L	F	H	ANVIL	ANVIL RETAINER	INSERT SCREW	TORX KEY	INSERT
S08K SCLCL-06	8	11	125	5	7	-	-	1425	5507	CCMT-0602..
S08K SCLCR-06	8	11	125	5	7	-	-	1425	5507	CCMT-0602..
S10M SCLCL-06	10	13	150	7	9	-	-	1425	5507	CCMT-0602..
S10M SCLCR-06	10	13	150	7	9	-	-	1425	5507	CCMT-0602..
S12M SCLCL-06	12	16	150	9	11	-	-	1425	5507	CCMT-0602..
S12M SCLCR-06	12	16	150	9	11	-	-	1425	5507	CCMT-0602..
S12M SCLCL-09	12	16	150	9	11	-	-	1440	5515	CCMT-09T3..
S12M SCLCR-09	12	16	150	9	11	-	-	1440	5515	CCMT-09T3..
S16R SCLCL--09	16	20	200	11	15	-	-	1440	5515	CCMT-09T3..
S16R SCLCR-09	16	20	200	11	15	-	-	1440	5515	CCMT-09T3..
S20S SCLCL-09	20	25	250	13	18	-	-	1440	5515	CCMT-09T3..
S20S SCLCR-09	20	25	250	13	18	-	-	1440	5515	CCMT-09T3..
S20S SCLCL-12	20	25	250	13	18	-	-	1250	5520	CCMT-1204..
S20S SCLCR-12	20	25	250	13	18	-	-	1250	5520	CCMT-1204..
S25T SCLCL-12	25	32	300	17	23	-	-	1250	5520	CCMT-1204..
S25T SCLCR-12	25	32	300	17	23	-	-	1250	5520	CCMT-1204..
S32U SCLCL-12	32	40	350	22	30	3614	1760	1540	5517	CCMT-1204..
S32U SCLCR-12	32	40	350	22	30	3614	1760	1540	5517	CCMT-1204..

SDUCL/R 93°

RIGHT-HAND VERSION SHOWN

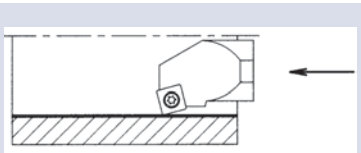


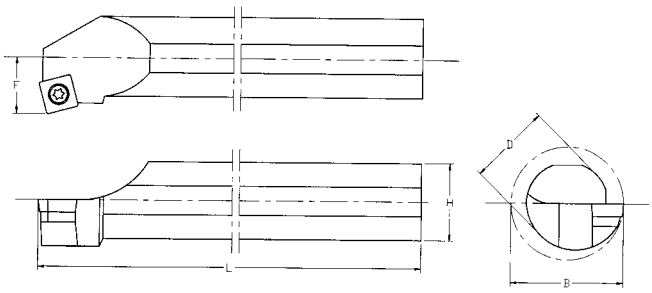


TOOL NUMBER	D	B	L	F	H	INSERT SCREW	TORX KEY	INSERT
S10M SDUCL-07	10	13	150	7	9	1425	5507	DCMT-0702..
S10M SDUCR-07	10	13	150	7	9	1425	5507	DCMT-0702..
S12M SDUCL-07	12	16	150	9	11	1225	5507	DCMT-0702..
S12M SDUCR-07	12	16	150	9	11	1225	5507	DCMT-0702..
S16R SDUCL-07	16	20	200	11	15	1225	5507	DCMT-0702..
S16R SDUCR-07	16	20	200	11	15	1225	5507	DCMT-0702..
S20S SDUCL-11	20	25	250	13	18	1240	5515	DCMT-11T3..
S20S SDUCR-11	20	25	250	13	18	1240	5515	DCMT-11T3..
S25T SDUCL-11	25	32	300	17	23	1240	5515	DCMT-11T3..
S25T SDUCR-11	25	32	300	17	23	1240	5515	DCMT-11T3..

SSKCL/R 75°

RIGHT-HAND VERSION SHOWN

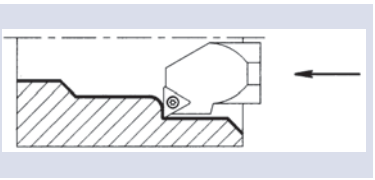


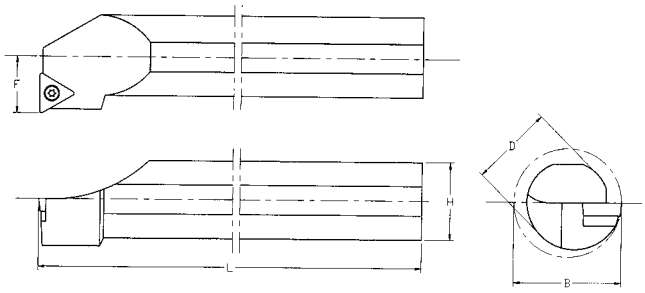


TOOL NUMBER	D	B	L	F	H	ANVIL	ANVIL RETAINER	INSERT SCREW	TORX KEY	INSERT
S16R SSKCL-09	16	20	200	11	15	-	-	1440	5515	SCMT-09T3..
S16R SSKCR-09	16	20	200	11	15	-	-	1440	5515	SCMT-09T3..
S20S SSKCL-09	20	25	250	13	18	-	-	1240	5515	SCMT-09T3..
S20S SSKCR-09	20	25	250	13	18	-	-	1240	5515	SCMT-09T3..
S25T SSKCL-09	25	32	300	17	23	-	-	1240	5515	SCMT-09T3..
S25T SSKCR-09	25	32	300	17	23	-	-	1240	5515	SCMT-09T3..
S32U SSKCL-12	32	40	350	22	30	3514	1760	1540	5517	SCMT-1204..
S32U SSKCR-12	32	40	350	22	30	3514	1760	1540	5517	SCMT-1204..

STFCL/R 90°

RIGHT-HAND VERSION SHOWN

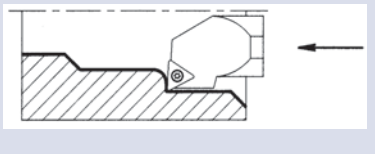


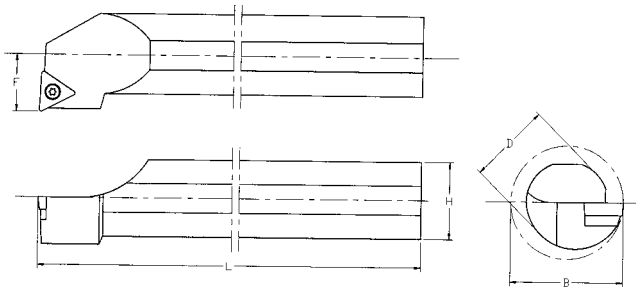


TOOL NUMBER	D	B	L	F	H	ANVIL	ANVIL RETAINER	INSERT SCREW	TORX KEY	INSERT
S08K STFCL-09	8	10	125	5	7	-	-	1222	5506	TCMT-0902..
S08K STFCR-09	8	10	125	5	7	-	-	1222	5506	TCMT-0902..
S10M STFCL-09	10	13	150	7	9	-	-	1222	5506	TCMT-0902..
S10M STFCR-09	10	13	150	7	9	-	-	1222	5506	TCMT-0902..
S12M STFCL-09	12	16	150	9	11	-	-	1222	5506	TCMT-0902..
S12M STFCR-09	12	16	150	9	11	-	-	1222	5506	TCMT-0902..
S16R STFCL-09	16	20	200	11	15	-	-	1222	5506	TCMT0902..
S16R STFCR-09	16	20	200	11	15	-	-	1222	5506	TCMT0902..
S12M STFCL-11	12	16	150	9	11	-	-	1225	5507	TCMT-1102..
S12M STFCR-11	12	16	150	9	11	-	-	1225	5507	TCMT-1102..
S16R STFCL-11	16	20	200	11	15	-	-	1225	5507	TCMT-1102..
S16R STFCR-11	16	20	200	11	15	-	-	1225	5507	TCMT-1102..
S20S STFCL-11	20	25	250	13	18	-	-	1225	5507	TCMT-1102..
S20S STFCR-11	20	25	250	13	18	-	-	1225	5507	TCMT-1102..
S16R STFCL-16	16	20	200	11	15	-	-	1240	5515	TCMT16T3..
S16R STFCR-16	16	20	200	11	15	-	-	1240	5515	TCMT16T3..
S20S STFCL-16	20	25	250	13	18	-	-	1240	5515	TCMT-16T3..
S20S STFCR-16	20	25	250	13	18	-	-	1240	5515	TCMT-16T3..
S25T STFCL-16	25	32	300	17	23	-	-	1240	5515	TCMT-16T3..
S25T STFCR-16	25	32	300	17	23	-	-	1240	5515	TCMT-16T3..
S32U STFCL-16	32	40	350	22	30	3414	1750	1335	5516	TCMT-16T3..
S32U STFCR-16	32	40	350	22	30	3414	1750	1335	5516	TCMT-16T3..
S40V STFCL-16	40	50	400	27	37	3414	1750	1335	5516	TCMT-16T3..
S40V STFCR-16	40	50	400	27	37	3414	1750	1335	5516	TCMT-16T3..
S50W STFCL-16	50	63	450	35	47	3414	1750	1335	5516	TCMT-16T3..
S50W STFCR-16	50	63	450	35	47	3414	1750	1335	5516	TCMT-16T3..

STUCL/R 93°

RIGHT-HAND VERSION SHOWN

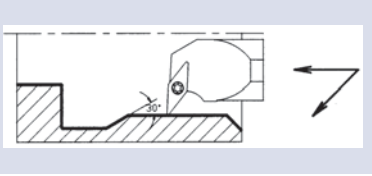


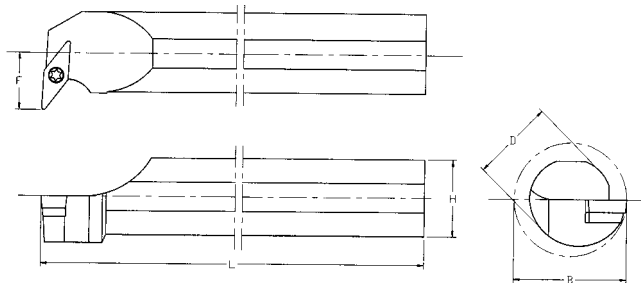


TOOL NUMBER	D	B	L	F	H	ANVIL	ANVIL RETAINER	INSERT SCREW	TORX KEY	INSERT
S08K STUCL-09	8	10	125	5	7	-	-	1222	5506	TCMT-0902..
S08K STUCR-09	8	10	125	5	7	-	-	1222	5506	TCMT-0902..
S10M STUCL-09	10	12	150	7	9	-	-	1222	5506	TCMT-0902..
S10M STUCR-09	10	12	150	7	9	-	-	1222	5506	TCMT-0902..
S12M STUCL-09	12	16	150	9	11	-	-	1222	5506	TCMT-0902..
S12M STUCR-09	12	16	150	9	11	-	-	1222	5506	TCMT-0902..
S16R STUCL-09	16	20	200	11	15	-	-	1222	5506	TCMT-0902..
S16R STUCR-09	16	20	200	11	15	-	-	1222	5506	TCMT-0902..
S12M STUCL-11	12	16	150	9	11	-	-	1225	5507	TCMT-1102..
S12M STUCR-11	12	16	150	9	11	-	-	1225	5507	TCMT-1102..
S16R STUCL-11	16	20	200	11	15	-	-	1225	5507	TCMT-1102..
S16R STUCR-11	16	20	200	11	15	-	-	1225	5507	TCMT-1102..
S20S STUCL-11	20	25	250	13	18	-	-	1225	5507	TCMT-1102..
S20S STUCR-11	20	25	250	13	18	-	-	1225	5507	TCMT-1102..
S16R STUCL-16	16	20	200	11	15	-	-	1240	5515	TCMT-16T3..
S16R STUCR-16	16	20	200	11	15	-	-	1240	5515	TCMT-16T3..
S20S STUCL-16	20	25	250	13	18	-	-	1240	5515	TCMT-16T3..
S20S STUCR-16	20	25	250	13	18	-	-	1240	5515	TCMT-16T3..
S25T STUCL-16	25	32	300	17	23	-	-	1240	5515	TCMT-16T3..
S25T STUCR-16	25	32	300	17	23	-	-	1240	5515	TCMT-16T3..
S32U STUCL-16	32	40	350	22	30	3414	1750	1335	5516	TCMT-16T3..
S32U STUCR-16	32	40	350	22	30	3414	1750	1335	5516	TCMT-16T3..
S40V STUCL-16	40	50	400	27	37	3414	1750	1335	5516	TCMT-16T3..
S40V STUCR-16	40	50	400	27	37	3414	1750	1335	5516	TCMT-16T3..
S50W STUCL-16	50	63	450	35	47	3414	1750	1335	5516	TCMT-16T3..
S50W STUCR-16	50	63	450	35	47	3414	1750	1335	5516	TCMT-16T3..

SVUBL/R 93°

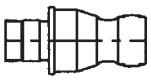
RIGHT-HAND VERSION SHOWN

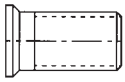




TOOL NUMBER	D	B	L	F	H	ANVIL	ANVIL RETAINER	INSERT SCREW	TORX KEY	INSERT
S25T SVUBL-16	25	32	300	17	23	-	-	1240	5515	VBMT-1604..
S25T SVUBR-16	25	32	300	17	23	-	-	1240	5515	VBMT-1604..
S32U SVUBL-16	32	40	350	22	30	3718	1750	1335	5516	VBMT-1604..
S32U SVUBR-16	32	40	350	22	30	3718	1750	1335	5516	VBMT-1604..
S40V SVUBL-16	40	50	400	27	37	3718	1750	1335	5516	VBMT-1604..
S40V SVUBR-16	40	50	400	27	37	3718	1750	1335	5516	VBMT-1604..

ATUCA negative rake toolholders are designed to accommodate standard negative rake inserts – that is inserts with holes. When inserts without holes are to be used, the toolholder is quickly and easily modified by removing the insert pin and replacing it with the appropriate anvil retainer. Refer to cross reference chart opposite to determine which retainer is to be used.





INSERT PIN NUMBER	RETAINING SCREW NUMBER
1656	9656
1658	9658
1665	9665
1666	9656
1670	9670
1671	9670
1672	9672

Optional separate chip breakers are also available for flat top inserts. These are recommended, particularly when using ceramic inserts because of their brittle nature. Also recommended for chip control on short chipping materials - cast iron and non-ferrous materials such as brass and bronze.

INSERT STYLE	CHIP BREAKER	
CNGN-1204	9412	
RNGN-090300	9209	
RNGN-120400	9212	
SPGN-0903	9109	
SPGN-0903	9509	
SPGN-1203 SNUN-1204	9112 9112	
SPGN-1203 SNUN-1204	9512 9512	
SPGN-1904	9119	
SPGN-1904	9519	
TPGN-1103	9111	
TPGN-1603 TNGN-1604	9016 (FINE) 9016	
TPGN-1603 TNGN-1604	9116 (MEDIUM) 9116	
TPGN-1603 TNGN-1604	9216 (COURSE) 9216	
TPGN-2204 TNGN-2204	9022 9022	

ALPHABETICAL INDEX

TOOL NUMBER	PAGE
CSBPL/R	4
CSDPN	5
CSKPL/R	5
CSSPL/R	6
CSTPL/R	7
CTAPL/R	7
CTBPL/R	8
CTCPN	8
CTDPL/R	9
CTFPL/R	10
CTGPL/R	11
CTTPL/R	12
MCBNL/R	13
MCLNL/R	13
MCRNL/R	14
MDJNL/R	15
MDNNN	15
MRGNL/R	16
MSBNL/R	17
MSDNN	18
MSKNL/R	19
MSRNL/R	20
MSSNL/R	21
MTDNL/R	22
MTFNL/R	22
MTGNL/R	23
MTTNL/R	24
MVJNL/R	25
MVUNL/R	25
MVVNN	26
MWLNL/R	26
SCACL/R	28
SCBCL/R	29
SCECL/R	29
SCLCL/R	30
SCMCN	31
SCRCL/R	31
SDJCL/R	32
SDNCN	32
SRDCN	33
SRSCL/R	34
SSBCL/R	35
SSDCN	35
SSKCL/R	36
SSSCL/R	36
STACL/R	37
STDCL/R	38
STFCL/R	39
STGCL/R	40
STTCL/R	41
SVJBL/R	42
SVUBL/R	42
SVVBN	43
S08K SCLCL/R	53
S08K STFCL/R	55
S08K STUCL/R	56
S10M CTFPL/R	47
S10M CTUPL/R	48
S10M SCLCL/R	53
S10M SDUCL/R	54
S10M STFCL/R	55
S10M STUCL/R	56
S12M CTFPL/R	47
S12M CTUPL/R	48
S12M SCLCL/R	53
S12M SDUCL/R	54
S12M STFCL/R	55
S12M STUCL/R	56
S16R CSKPL/R	46
S16R CTFPL/R	47
S16R CTUPL/R	48
S16R SCLCL/R	53
S16R SDUCL/R	54
S16R SSKCL/R	54
S16R STFCL/R	55
S16R STUCL/R	56
S20S CSKPL/R	46
S20S CTFPL/R	47
S20S CTUPL/R	48
S20S MTFNL/R	50
S20S MTUNL/R	51
S20S SCLCL/R	53
S20S SDUCL/R	54
S20S SSKCL/R	54
S20S STFCL/R	55
S20S STUCL/R	56
S25T CSKPL/R	46
S25T CTFPL/R	47
S25T CTUPL/R	48
S25T MCLNL/R	49
S25T MDUNL/R	49
S25T MSKNL/R	50
S25T MTFNL/R	50
S25T MTUNL/R	51
S25T MVUNL/R	52
S25T MWLNL/R	52
S25T SCLCL/R	53
S25T SDUCL/R	54
S25T SSKCL/R	54
S25T STFCL/R	55
S25T STUCL/R	56
S25T SVUBL/R	57
S32U CSKPL/R	46
S32U CTFPL/R	47
S32U CTUPL/R	48
S32U MCLNL/R	49
S32U MDUNL/R	49
S32U MSKNL/R	50
S32U MTFNL/R	50
S32U MTUNL/R	51
S32U MVUNL/R	52
S32U MWLNL/R	52
S32U SCLCL/R	53
S32U SSKCL/R	54
S32U STFCL/R	55
S32U STUCL/R	56
S32U SVUBL/R	57
S40V CSKPL/R	46
S40V CTFPL/R	47
S40V CTUPL/R	48
S40V MCLNL/R	49
S40V MDUNL/R	49
S40V MSKNL/R	50
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S40V MVUNL/R	52
S40V MWLNL/R	52
S40V STFCL/R	55
S40V STUCL/R	56
S40V SVUBL/R	57
S50W CTFPL/R	47
S50W CTUPL/R	48
S50W MCLNL/R	49
S50W MDUNL/R	49
S50W MSKNL/R	50
S50W MTFNL/R	50
S50W MTUNL/R	51
S50W MVUNL/R	52
S50W MWLNL/R	52
S50W STFCL/R	55
S50W STUCL/R	56
WTENN	27
WTJNL/R	27

ECONOMICAL SPEEDS FOR TURNING

METRES PER MINUTE								
DIAMETER IN MILLIMETRES		15	22	33	48	72	105	155
	6	800	1150	1750	2500	4000	5500	8000
	8	600	880	1300	1900	3000	4000	6000’
	12	400	580	880	1300	1900	3000	4000
	16	300	440	660	960	1440	2100	3100
	20	240	350	530	760	1150	1700	2500
	25	190	280	420	600	900	1350	2000
	32	150	220	330	480	720	1050	1550
	40	120	180	260	380	570	840	1250
	50	95	140	210	300	460	670	980
	60	80	120	180	250	380	560	820
	80	60	90	130	190	290	420	620
	100	50	70	110	150	230	330	500
	150	30	45	70	100	155	220	330
	200	25	35	55	80	110	170	250
	300	15	25	35	50	75	110	165

REVOLUTIONS PER MINUTE			
MATERIAL	High Speed Steel	Uncoated Carbide	Coated Carbide
Mild Steel	33m/m	105m/m	155m/m
Medium Steel	22m/m	72m/m	105m/m
High Tensile Steel	15m/m	48m/m	72m/m
CERAMIC COATED CARBIDE - PLUS 25%			

SAFETY PRECAUTIONS

WHEN USING CARBIDES & CERAMICS

1. Wear safety glasses with side shields
2. Wear closed shoes with steel toe caps
3. Wear protective clothing
4. Keep protective enclosure on machine in place during machining
5. Make sure insert size and shape is adequate for the work being performed
6. Chip control is necessary to prevent a continuous chip
7. Use correct size tooling with minimum overhang
8. Overloading of inserts may result in fracture with detached fragments travelling at high velocity
9. Chips are very hot and have sharp edges and should not be removed by hand
10. Turn off machine whenever chips are removed or when cutting tools are changed
11. A slug may be ejected at high speed during drilling

WHEN GRINDING CARBIDES

1. Use adequate ventilation
2. Use suction equipment to maintain low dust levels
3. Wet grind where possible
4. Minimize prolonged skin contact
5. Wash hands thoroughly after handling

TOOLHOLDERS