

# Tool Holders and Inserts for CNC "Swiss-Type" Automatics

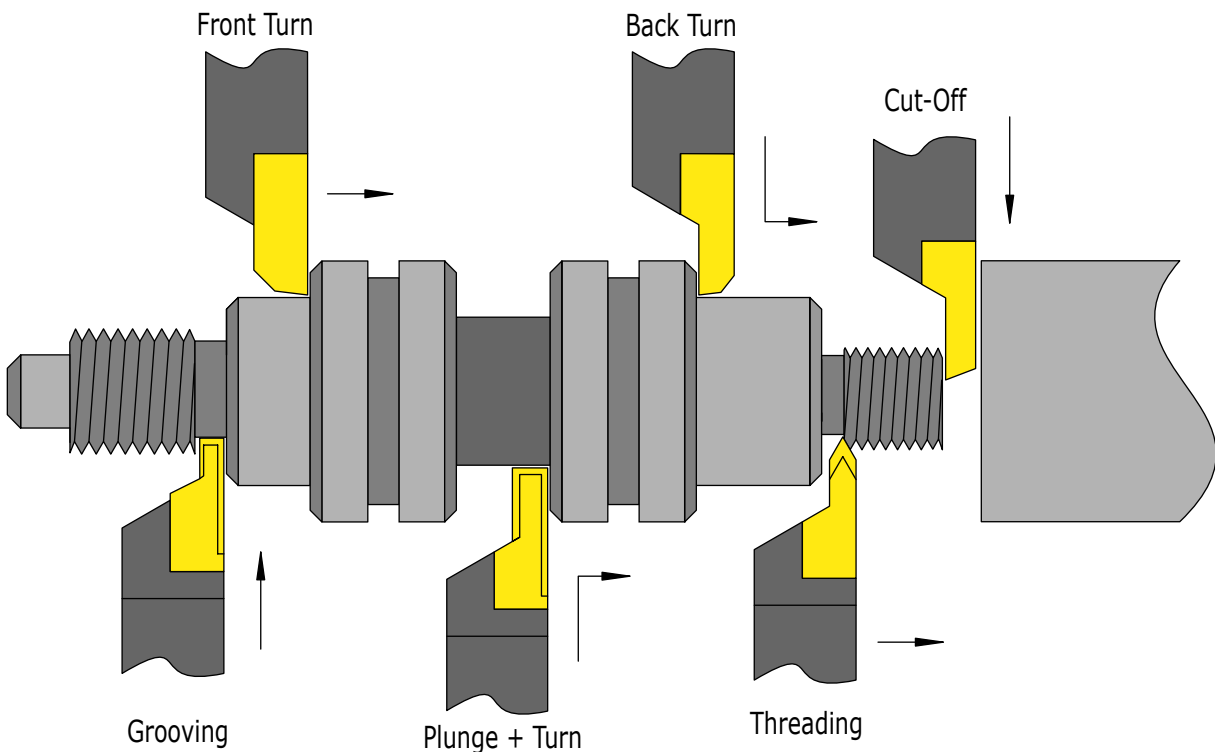


Max-Bar Tools and Inserts . . . Worth Their Weight in **Gold**



# MAX-BAR TOOLING EXAMPLE

## RIGHT HAND TOOLS SHOWN



MAX-BAR TOOLHOLDERS AND INSERTS ARE DESIGNED TO CUT TO MACHINE CAPACITY

BACKTURNING GEOMETRIES WILL PLUNGE AND TURN TO DEPTHS  
UP TO 3 TIMES THE WIDTH OF THE INSERT

THREADING INSERTS ARE DESIGNED TO THREAD CLOSE  
TO AND BEHIND SHOULDERS

**COPIED BY SOME / DUPLICATED BY NONE**  
**MAX-BAR TOOLS/WORTH THEIR WEIGHT IN GOLD**

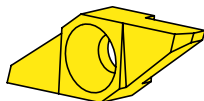
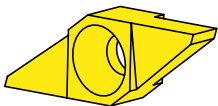
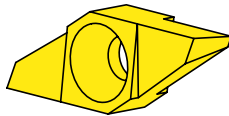
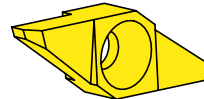
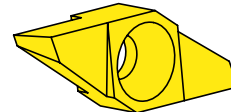
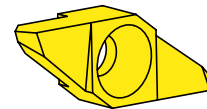
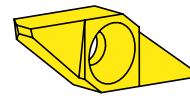


## MAX-BAR MINI-SHANK TOOLING

DEPTH OF CUT YOU WANT! \* SHANK SIZE YOU NEED!  
DESIGNED TO FIT YOUR SWISS TYPE CNC SCREW MACHINE  
WITHOUT THE NEED OF MODIFICATION OR LARGE OFFSETS

FRONT TURN • BACK TURN • CUT-OFF  
GROOVE • THREAD • PLUNGE & TURN

- WITH ONE TOOLHOLDER, JUST CHANGE INSERT
- INSERTS ARE PRECISION GROUND FOR REPEATABILITY
- SCREW DOWN INSERTS CUT CLOSE TO BUSHING OR CHUCK
- ZERO RADIUS AS STANDARD
- WIDEST CHOICE OF INSERTS PER HOLDER
- MACHINE READY TOOLHOLDER DIMENSIONS



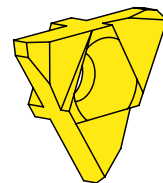
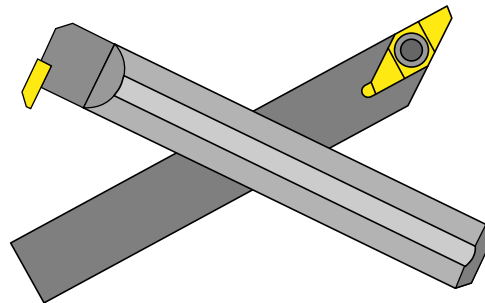
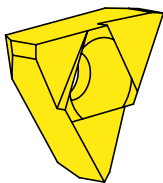
### MAX-BAR TOOLING FEATURES

- FACEGROOVING
- I.D. GROOVING
- I.D. THREADING
- I.D. BORING

CHIPBREAKERS, SPECIAL FORMS AVAILABLE - RAPID DELIVERY  
IF YOU DON'T SEE WHAT YOU NEED  
CALL US AT

**1-800-221-1790**

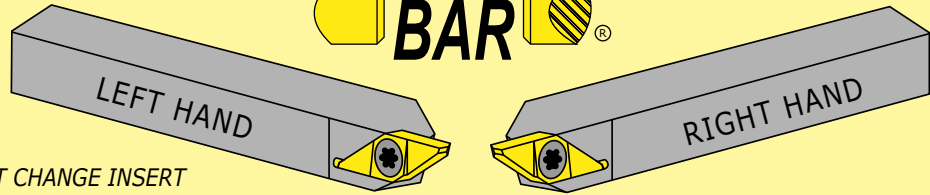
WE'LL MAKE IT FOR YOU!



# MAX-BAR 6mm 35° SERIES TOOLING

( REG. U.S. PATENT )  
 ( NO. 5,779,400 )  
 ( NO. 6,033,158 )

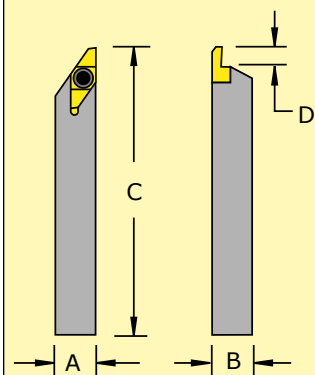
FRONT TURN  
 BACK TURN  
 CUT-OFF  
 GROOVE  
 THREAD  
 PLUNGE & TURN



WITH ONE TOOLHOLDER/JUST CHANGE INSERT

## TOOLHOLDERS

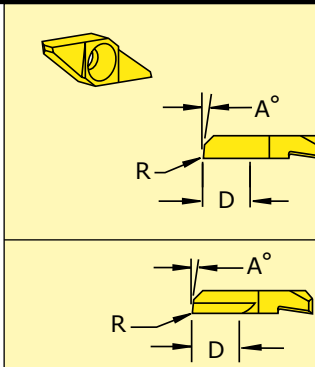
RIGHT HAND SHOWN



R.H. HOLDER NO.	L.H. HOLDER NO.	A	B	C	D
SVANR-07M6M-C	SVANL-07M6M-C	7mm	7mm	127mm	5mm
SVANR-08M6M-C	SVANL-08M6M-C	8mm	8mm	127mm	5mm
SVANR-10M6M-C	SVANL-10M6M-C	10mm	10mm	127mm	5mm
SVANR-12M6M-C	SVANL-12M6M-C	12mm	12mm	127mm	5mm
SVANR-3756M-C	SVANL-3756M-C	.375	.375	5.00	.200
SVANR-5006M-C	SVANL-5006M-C	.500	.500	5.00	.200
SVANR-6256M-C	SVANL-6256M-C	.625	.625	5.00	.200
SVANR-7506M-C	SVANL-7506M-C	.750	.750	5.00	.200
SPARE PARTS	SCREW 2.40-064	WRENCH T-7			

## FRONT TURN

RIGHT HAND SHOWN

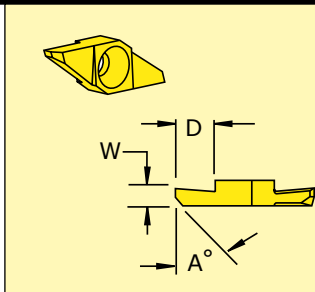


\* WITH CHIP CONTROL

R.H. INSERT NO.	L.H. INSERT NO.	A°	DEPTH		RADIUS	
			INCH	MM	INCH	MM
VFTR-6M010	VFTL-6M010	1°	.200	5,00	.000	0,00
VFTR-6M040	VFTL-6M040	4°	.200	5,00	.000	0,00
VFTR-6M152	VFTL-6M152	15°	.200	5,00	.002	0,05
VFTR-6M157	VFTL-6M157	15°	.200	5,00	.007	0,18
* VFTRB-6M010	* VFTLB-6M010	1°	.200	5,00	.000	0,00
* VFTRB-6M040	* VFTLB-6M040	4°	.200	5,00	.000	0,00
* VFTRB-6M152	* VFTLB-6M152	15°	.200	5,00	.002	0,05
* VFTRB-6M157	* VFTLB-6M157	15°	.200	5,00	.007	0,18

## BACK TURN

RIGHT HAND SHOWN

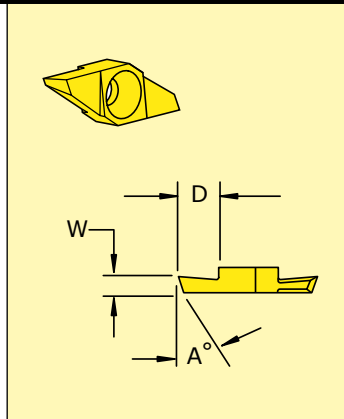


R.H. INSERT NO.	L.H. INSERT NO.	A°	WIDTH		DEPTH	
			INCH	MM	INCH	MM
VBTR-6M452	VBTL-6M452	45°	.031	0,78	.050	1,27
VBTR-6M453	VBTL-6M453	45°	.047	1,19	.085	2,16
VBTR-6M454	VBTL-6M454	45°	.062	1,57	.130	3,30
VBTR-6M455	VBTL-6M455	45°	.078	1,98	.200	5,00
VBTR-6M456	VBTL-6M456	45°	.093	2,36	.200	5,00



## CUT-OFF

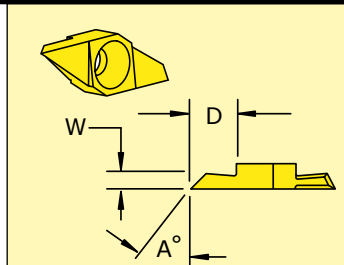
RIGHT HAND SHOWN



			WIDTH		DEPTH	
R.H. INSERT NO.	L.H. INSERT NO.	A°	INCH	MM	INCH	MM
VCOR-6M2520	VCOL-6M2520	25°	.020	0,50	.050	1,30
VCOR-6M2525	VCOL-6M2525	25°	.025	0,63	.065	1,65
VCOR-6M2531	VCOL-6M2531	25°	.031	0,78	.090	2,30
VCOR-6M2040	VCOL-6M2040	20°	.040	1,00	.100	2,60
VCOR-6M2047	VCOL-6M2047	20°	.047	1,20	.130	3,30
VCOR-6M1562	VCOL-6M1562	15°	.062	1,57	.160	4,06
VCOR-6M1578	VCOL-6M1578	15°	.078	1,98	.200	5,00
VCOR-6M1593	VCOL-6M1593	15°	.093	2,36	.200	5,00

## OPP. HAND CUT-OFF

RIGHT HAND WITH LEFT HAND CUT-OFF SHOWN

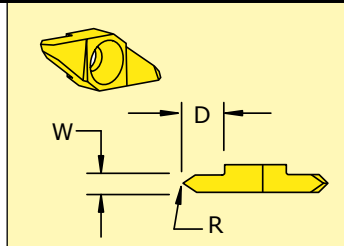


OPP. HAND CUT-OFF FOR PICKOFF SPINDLE

			WIDTH		DEPTH	
R.H. INSERT NO.	L.H. INSERT NO.	A°	INCH	MM	INCH	MM
VCORL-6M2531	VCOLR-6M2531	25°	.031	0,78	.090	2,30
VCORL-6M2040	VCOLR-6M2040	20°	.040	1,00	.100	2,60
VCORL-6M2047	VCOLR-6M2047	20°	.047	1,20	.130	3,30
VCORL-6M1562	VCOLR-6M1562	15°	.062	1,57	.160	4,06
VCORL-6M1578	VCOLR-6M1578	15°	.078	1,98	.200	5,00
VCORL-6M1593	VCOLR-6M1593	15°	.093	2,36	.200	5,00

## THREADING

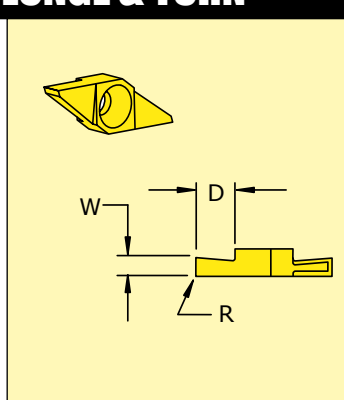
RIGHT HAND SHOWN



		WIDTH		DEPTH		RADIUS	
R.H. INSERT NO.	L.H. INSERT NO.	INCH	MM	INCH	MM	INCH	MM
VNVR-6M031	VNVL-6M031	.031	0,78	.150	3,80	.000	0,00
VNVR-6M047	VNVL-6M047	.047	1,20	.180	4,57	.002	0,05
VNVR-6M062	VNVL-6M062	.062	1,57	.200	5,00	.002	0,05
VNVR-6M093	VNVL-6M093	.093	2,36	.200	5,00	.004	0,10

## PLUNGE & TURN

RIGHT HAND SHOWN

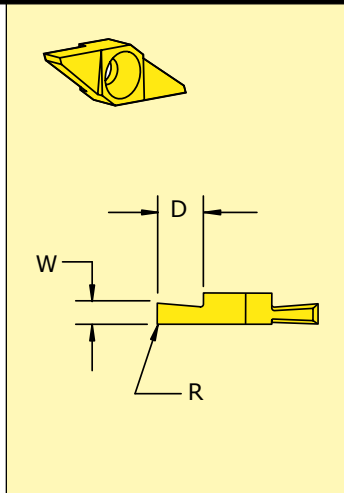


		WIDTH		DEPTH		RADIUS	
R.H. INSERT NO.	L.H. INSERT NO.	INCH	MM	INCH	MM	INCH	MM
VTGR-6M020	VTGL-6M020	.020	0,51	.030	0,76	.000	0,00
VTGR-6M031	VTGL-6M031	.031	0,78	.050	1,27	.000	0,00
VTGR-6M040	VTGL-6M040	.040	1,00	.075	1,90	.000	0,00
VTGR-6M047	VTGL-6M047	.047	1,20	.085	2,16	.000	0,00
VTGR-6M062	VTGL-6M062	.062	1,57	.130	3,30	.000	0,00
VTGR-6M078	VTGL-6M078	.078	2,00	.200	5,00	.000	0,00
VTGR-6M093	VTGL-6M093	.093	2,36	.200	5,00	.000	0,00

# MAX-BAR 6mm 35° SERIES TOOLING

## GROOVING

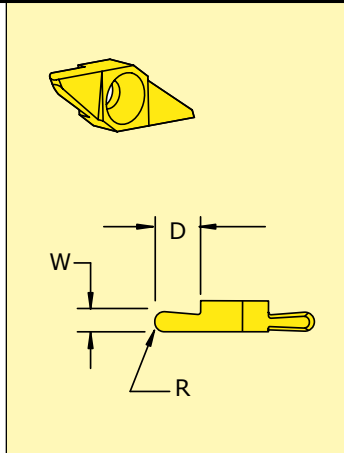
RIGHT HAND SHOWN



R.H. INSERT NO.	L.H. INSERT NO.	WIDTH		DEPTH		RADIUS	
		INCH	MM	INCH	MM	INCH	MM
VNGR-6M010	VNGL-6M010	.010	0,25	.020	0,50	.000	0,00
VNGR-6M012	VNGL-6M012	.012	0,30	.025	0,64	.000	0,00
VNGR-6M015	VNGL-6M015	.015	0,38	.035	0,89	.000	0,00
VNGR-6M020	VNGL-6M020	.020	0,50	.050	1,30	.000	0,00
VNGR-6M025	VNGL-6M025	.025	0,63	.065	1,65	.000	0,00
VNGR-6M031	VNGL-6M031	.031	0,78	.090	2,30	.000	0,00
VNGR-6M040	VNGL-6M040	.040	1,00	.100	2,60	.000	0,00
VNGR-6M047	VNGL-6M047	.047	1,20	.130	3,30	.000	0,00
VNGR-6M062	VNGL-6M062	.062	1,57	.160	4,06	.000	0,00
VNGR-6M078	VNGL-6M078	.078	1,98	.200	5,00	.000	0,00
VNGR-6M093	VNGL-6M093	.093	2,36	.200	5,00	.000	0,00

## FULL RADIUS

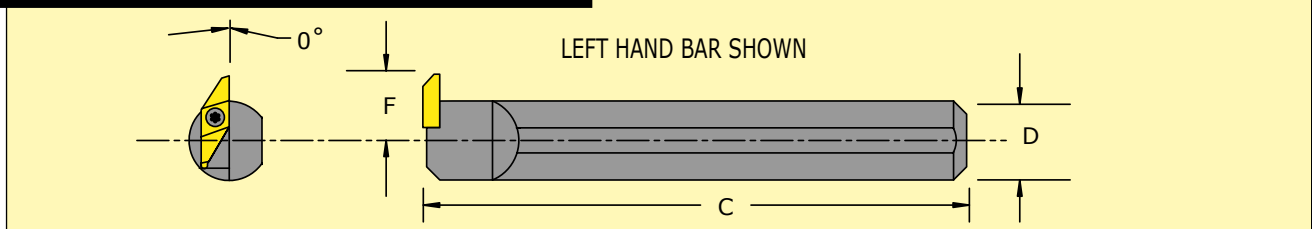
RIGHT HAND SHOWN



R.H. INSERT NO.	L.H. INSERT NO.	WIDTH		DEPTH		RADIUS	
		INCH	MM	INCH	MM	INCH	MM
VFRR-6M010	VFRL-6M010	.010	0,25	.030	0,76	.005	0,13
VFRR-6M015	VFRL-6M015	.015	0,38	.040	1,00	.007	0,19
VFRR-6M020	VFRL-6M020	.020	0,50	.050	1,30	.010	0,25
VFRR-6M025	VFRL-6M025	.025	0,63	.065	1,65	.012	0,32
VFRR-6M030	VFRL-6M030	.030	0,76	.090	2,30	.015	0,38
VFRR-6M040	VFRL-6M040	.040	1,00	.110	2,80	.020	0,50
VFRR-6M047	VFRL-6M047	.047	1,20	.130	3,30	.023	0,60
VFRR-6M062	VFRL-6M062	.062	1,57	.160	4,06	.031	0,78
VFRR-6M078	VFRL-6M078	.078	1,98	.180	4,57	.039	1,00
VFRR-6M093	VFRL-6M093	.093	2,36	.180	4,57	.046	1,20

## MAX-BAR 6mm 35° DIAMOND BARS

FOR TURRET & GANG LOADING/BACK WORKING



L.H. BAR NO.	R.H. BAR NO.	INSERT	D	C	F	SCREW	WRENCH
S10D-SVFNL6M	S10D-SVFNRL6M	6MM-35	.625	5.75	.515	2.40-064	T-7
S12D-SVFNL6M	S12D-SVFNRL6M	6MM-35	.750	5.75	.575	2.40-064	T-7

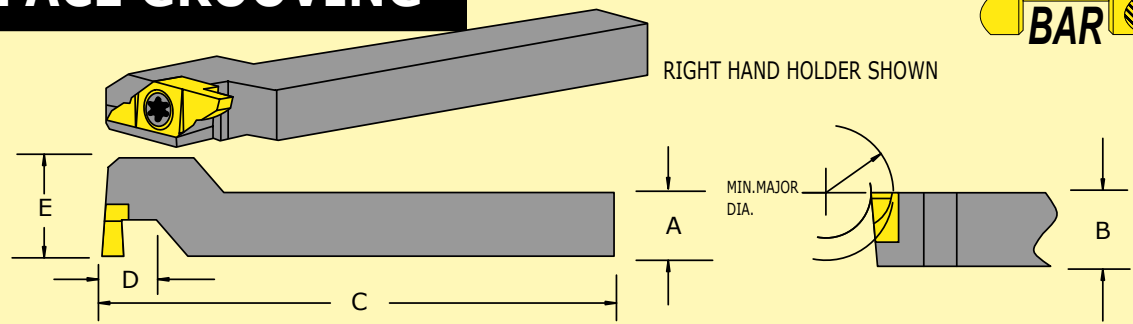
NOTE: RIGHT HAND BARS USE LEFT HAND INSERTS/LEFT HAND BARS USE RIGHT HAND INSERTS



# MAX-BAR FACE GROOVING



**NON STANDARD WIDTHS AVAILABLE, RAPID DELIVERY**

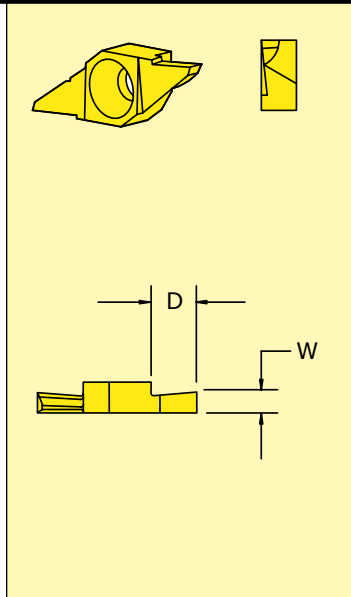


R.H. HOLDER NO.	L.H. HOLDER NO.	A	B	C	D	E	SCREW	WRENCH
SVFGR-08M6M-D	SVFGL-08M6M-D	8mm	8mm	114mm	6,4mm	19mm	2.40-064	T-7
SVFGR-10M6M-D	SVFGL-10M6M-D	10mm	10mm	114mm	8mm	19mm	2.40-064	T-7
SVFGR-12M6M-D	SVFGL-12M6M-D	12mm	12mm	114mm	9,5mm	19mm	2.40-064	T-7
SVFGR-3756M-D	SVFGL-3756M-D	.375	.375	4.50	.375	.750	2.40-064	T-7
SVFGR-5006M-D	SVFGL-5006M-D	.500	.500	4.50	.410	.750	2.40-064	T-7
SVFGR-6256M-D	SVFGL-6256M-D	.625	.625	4.50	.510	.750	2.40-064	T-7
SVFGR-7506M-D	SVFGL-7506M-D	.750	.750	4.50	.625	.750	2.40-064	T-7

NOTE: RIGHT HAND HOLDERS USE LEFT HAND INSERTS & LEFT HAND HOLDERS USE RIGHT HAND INSERTS

## INSERTS

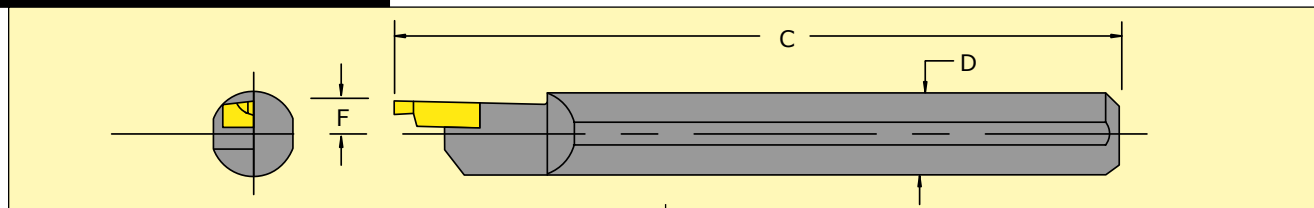
LEFT HAND INSERT SHOWN FOR RIGHT HAND HOLDER ABOVE



R.H. INSERT NO.	L.H. INSERT NO.	WIDTH		DEPTH		MINIMUM MAJOR DIA.	
		INCH	MM	INCH	MM	INCH	MM
VFGR-6M305025	VFGL-6M305025	.030	0,76	.050	1,27	.250	6,35
VFGR-6M307550	VFGL-6M307550	.030	0,76	.075	1,90	.500	12,7
VFGR-6M406025	VFGL-6M406025	.040	1,01	.060	1,52	.250	6,35
VFGR-6M409050	VFGL-6M409050	.040	1,01	.090	2,28	.500	12,7
VFGR-6M507530	VFGL-6M507530	.050	1,27	.075	1,90	.300	7,62
VFGR-6M501060	VFGL-6M501060	.050	1,27	.100	2,54	.600	15,3
VFGR-6M608030	VFGL-6M608030	.060	1,52	.080	2,03	.300	7,62
VFGR-6M601060	VFGL-6M601060	.060	1,52	.100	2,54	.600	15,3
VFGR-6M709030	VFGL-6M709030	.070	1,78	.090	2,28	.300	7,62
VFGR-6M701260	VFGL-6M701260	.070	1,78	.120	3,05	.600	15,3
VFGR-6M801030	VFGL-6M801030	.080	2,03	.100	2,54	.300	7,62
VFGR-6M801460	VFGL-6M801460	.080	2,03	.140	3,55	.600	15,3
VFGR-6M901430	VFGL-6M901430	.090	2,28	.140	3,55	.300	7,62
VFGR-6M902060	VFGL-6M902060	.090	2,28	.200	5,00	.600	15,3

## FACE GROOVING BARS

LEFT HAND BAR SHOWN

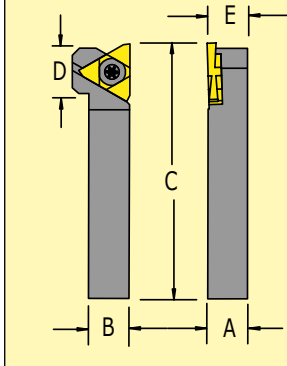


BAR NO.	HAND OF BAR	INSERT NO.	D	C	F	SCREW	WRENCH
S10D-SVANL6M-FG	LEFT HAND BAR	VFGL-6M-	.625	5.75	.530	2.40-064	T-7

# MAX-BAR 10 SERIES TOOLING

FOR BAR DIAMETERS UP TO 3/8" (10mm)

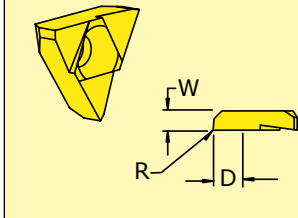
## TOOLHOLDERS



RIGHT HAND SHOWN

R.H. HOLDER NO.	L.H. HOLDER NO.	A	B	C	D	E
STANR-053-V	STANL-053-V	.312	.312	3.50	.550	.317
STANR-063-V	STANL-063-V	.375	.375	3.50	.550	.380
STANR-063-C	STANL-063-C	.375	.375	5.00	.550	.380
STANR-083-V	STANL-083-V	.500	.500	3.50	.550	.505
STANR-083-C	STANL-083-C	.500	.500	5.00	.550	.505
STANR-103-V	STANL-103-V	.625	.625	3.50	---	.630
SPARE PARTS		SCREW 3.50 - 095		WRENCH T-15		

## FRONT TURN

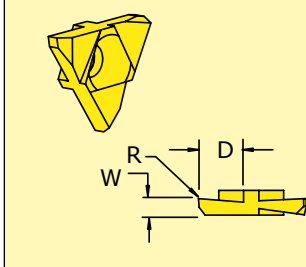


RIGHT HAND SHOWN

R.H. INSERT NO.	L.H. INSERT NO.	WIDTH		DEPTH		RADIUS	
		INCH	MM	INCH	MM	INCH	MM
TFTR-3040	TFTL-3040	.125	3,18	.230	5,84	.000	0,00
TFTR-3045	TFTL-3045	.125	3,18	.230	5,84	.005	0,13
*TFTRB-3040	*TFTLB-3040	.125	3,18	.230	5,84	.000	0,00
*TFTRB-3045	*TFTLB-3045	.125	3,18	.230	5,84	.005	0,13

\*WITH CHIP CONTROL

## BACK TURN

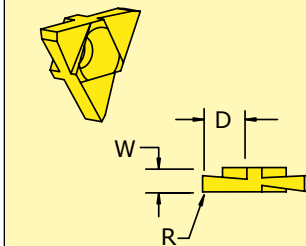


RIGHT HAND SHOWN

R.H. INSERT NO.	L.H. INSERT NO.	WIDTH		DEPTH		RADIUS	
		INCH	MM	INCH	MM	INCH	MM
TBTR-3308	TBTL-3308	.125	3,18	.230	5,84	.000	0,00
TBTR-3306	TBTL-3306	.093	2,36	.230	5,84	.000	0,00
TBTR-3305	TBTL-3305	.078	1,98	.230	5,84	.000	0,00
TBTR-3304	TBTL-3304	.062	1,57	.230	5,84	.000	0,00
TBTR-3303	TBTL-3303	.047	1,19	.130	3,30	.000	0,00

## PLUNGE & TURN

(SQUARE BOTTOM)



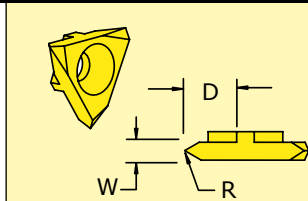
RIGHT HAND SHOWN

R.H. INSERT NO.	L.H. INSERT NO.	WIDTH		DEPTH		RADIUS	
		INCH	MM	INCH	MM	INCH	MM
TTGR-3125	TTGL-3125	.125	3,18	.230	5,84	0.00	0,00
TTGR-3093	TTGL-3093	.093	2,36	.230	5,84	0.00	0,00
TTGR-3078	TTGL-3078	.078	1,98	.230	5,84	0.00	0,00
TTGR-3062	TTGL-3062	.062	1,57	.230	5,84	0.00	0,00
TTGR-3047	TTGL-3047	.047	1,19	.130	3,30	0.00	0,00
TTGR-3030	TTGL-3030	.030	0,76	.090	2,28	0.00	0,00



## THREADING 60°

RIGHT HAND SHOWN

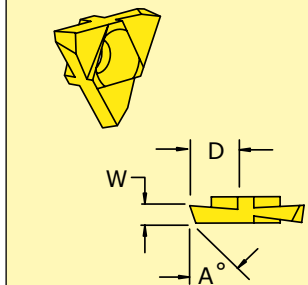


		WIDTH		DEPTH		RADIUS	
R.H. INSERT NO.	L.H. INSERT NO.	INCH	MM	INCH	MM	INCH	MM
TNVR-3125	TNVL-3125	.125	3,18	.230	5,84	.004	0,10
TNVR-3062	TNVL-3062	.062	1,57	.230	5,84	.002	0,05
TNVR-3031	TNVL-3031	.031	0,78	.190	4,82	.000	0,00

THREAD FORM IS CENTRALLY LOCATED

## CUT-OFF

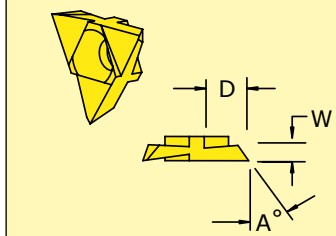
RIGHT HAND SHOWN



		WIDTH		DEPTH		A°
R.H. INSERT NO.	L.H. INSERT NO.	INCH	MM	INCH	MM	
TCOR-3158	TCOL-3158	.125	3,18	.230	5,84	15°
TCOR-3156	TCOL-3156	.093	2,36	.230	5,84	15°
TCOR-3155	TCOL-3155	.078	1,98	.230	5,84	15°
TCOR-3154	TCOL-3154	.062	1,57	.230	5,84	15°
TCOR-3153	TCOL-3153	.047	1,19	.230	5,84	15°
TCOR-3201M	TCOL-3201M	.040	1,00	.180	4,57	20°
TCOR-3202	TCOL-3202	.031	0,78	.100	2,54	20°

## OPP. HAND CUT-OFF

LEFT HAND INSERT WITH RIGHT HAND CUT-OFF SHOWN

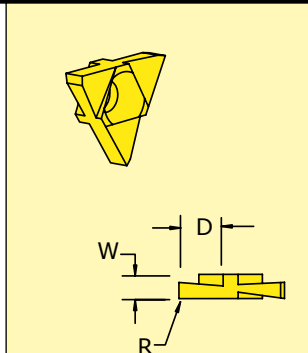


		WIDTH		DEPTH		A°
R.H. INSERT NO.	L.H. INSERT NO.	INCH	MM	INCH	MM	
TCORL-3156	TCOLR-3156	.093	2,36	.230	5,84	15°
TCORL-3155	TCOLR-3155	.078	1,98	.230	5,84	15°
TCORL-3154	TCOLR-3154	.062	1,57	.230	5,84	15°
TCORL-3153	TCOLR-3153	.047	1,19	.230	5,84	15°
TCORL-3201M	TCOLR-3201M	.040	1,00	.180	4,57	20°
TCORL-3202	TCOLR-3202	.031	0,78	.100	2,54	20°

OPP. HAND CUT-OFF FOR PICKOFF SPINDLE

## GROOVING

RIGHT HAND SHOWN

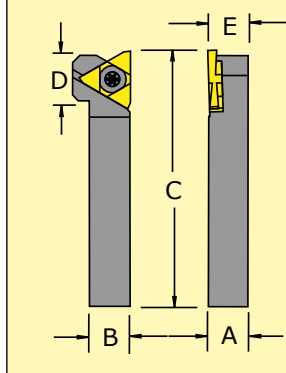


		WIDTH		DEPTH		RADIUS	
R.H. INSERT NO.	L.H. INSERT NO.	INCH	MM	INCH	MM	INCH	MM
TNGR-3125	TNGL-3125	.125	3,18	.230	5,84	.000	0,00
TNGR-3093	TNGL-3093	.093	2,36	.230	5,84	.000	0,00
TNGR-3078	TNGL-3078	.078	1,98	.230	5,84	.000	0,00
TNGR-3062	TNGL-3062	.062	1,57	.230	5,84	.000	0,00
TNGR-3047	TNGL-3047	.047	1,19	.230	5,84	.000	0,00
TNGR-3040	TNGL-3040	.040	1,00	.180	4,57	.000	0,00
TNGR-3031	TNGL-3031	.031	0,78	.100	2,54	.000	0,00
TNGR-3020	TNGL-3020	.020	0,50	.090	2,28	.000	0,00
TNGR-3015	TNGL-3015	.015	0,38	.080	2,03	.000	0,00

# MAX-BAR 16 SERIES TOOLING

FOR BAR DIAMETERS UP TO 5/8" (16mm)

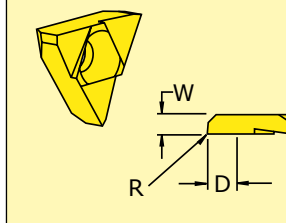
## TOOLHOLDERS



RIGHT HAND SHOWN

R.H. HOLDER NO.	L.H. HOLDER NO.	A	B	C	D	E
STANR-064-V *	STANL-064-V *	.375	.375	3.50	.750	.380
STANR-064-C *	STANL-064-C *	.375	.375	5.00	.750	.380
STANR-084-V	STANL-084-V	.500	.500	3.50	.750	.505
STANR-084-C	STANL-084-C	.500	.500	5.00	.750	.505
STANR-104-V	STANL-104-V	.625	.625	3.50	.750	.630
STANR-124-C	STANL-124-C	.750	.750	5.00	---	.755
SPARE PARTS		SCREW *4.06-095 4.06-127			WRENCH T-20	

## FRONT TURN

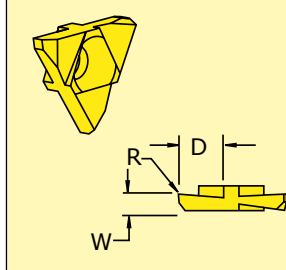


RIGHT HAND SHOWN

R.H. INSERT NO.	L.H. INSERT NO.	WIDTH		DEPTH		RADIUS	
		INCH	MM	INCH	MM	INCH	MM
TFTR-4040	TFTL-4040	.187	4,75	.350	8,90	.000	0,00
TFTR-4045	TFTL-4045	.187	4,75	.350	8,90	.005	0,13
*TFTRB-4040	*TFTLB-4040	.187	4,75	.350	8,90	.000	0,00
*TFTRB-4045	*TFTLB-4045	.187	4,75	.350	8,90	.005	0,13

\*WITH CHIP CONTROL

## BACK TURN

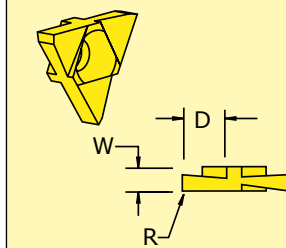


RIGHT HAND SHOWN

R.H. INSERT NO.	L.H. INSERT NO.	WIDTH		DEPTH		RADIUS	
		INCH	MM	INCH	MM	INCH	MM
TBTR-4308	TBTL-4308	.125	3,18	.350	8,90	.000	0,00
TBTR-4306	TBTL-4306	.093	2,36	.350	8,90	.000	0,00
TBTR-4305	TBTL-4305	.078	1,98	.300	7,62	.000	0,00
TBTR-4304	TBTL-4304	.062	1,57	.230	5,84	.000	0,00
TBTR-4303	TBTL-4303	.047	1,19	.130	3,30	.000	0,00

## PLUNGE & TURN

(SQUARE BOTTOM)



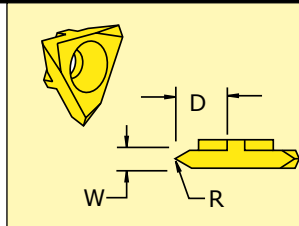
RIGHT HAND SHOWN

R.H. INSERT NO.	L.H. INSERT NO.	WIDTH		DEPTH		RADIUS	
		INCH	MM	INCH	MM	INCH	MM
TTGR-4125	TTGL-4125	.125	3,18	.350	8,90	0,00	0,00
TTGR-4093	TTGL-4093	.093	2,36	.350	8,90	0,00	0,00
TTGR-4078	TTGL-4078	.078	1,98	.300	7,62	0,00	0,00
TTGR-4062	TTGL-4062	.062	1,57	.230	5,84	0,00	0,00
TTGR-4047	TTGL-4047	.047	1,19	.130	3,30	0,00	0,00
TTGR-4031	TTGL-4031	.031	0,76	.090	2,28	0,00	0,00



## THREADING 60°

RIGHT HAND SHOWN

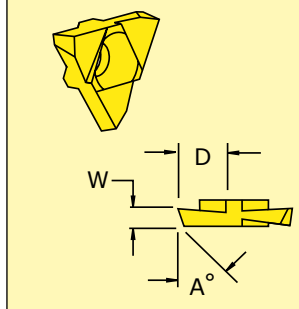


		WIDTH		DEPTH		RADIUS	
R.H. INSERT NO.	L.H. INSERT NO.	INCH	MM	INCH	MM	INCH	MM
TNVR-4125	TNVL-4125	.125	3,18	.350	8,90	.004	0,10
TNVR-4078	TNVL-4078	.078	1,98	.300	7,62	.002	0,05
TNVR-4031	TNVL-4031	.031	0,78	.230	5,84	.000	0,00

THREAD FORM IS CENTRALLY LOCATED

## CUT-OFF

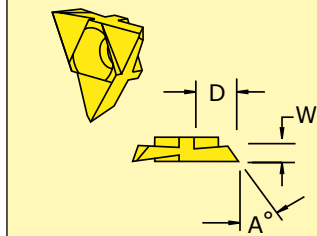
RIGHT HAND SHOWN



		WIDTH		DEPTH		A°
R.H. INSERT NO.	L.H. INSERT NO.	INCH	MM	INCH	MM	
TCOR-4158	TCOL-4158	.125	3,18	.370	9,40	15°
TCOR-4156	TCOL-4156	.093	2,36	.370	9,40	15°
TCOR-4155	TCOL-4155	.078	1,98	.370	9,40	15°
TCOR-4154	TCOL-4154	.062	1,57	.300	7,62	15°
TCOR-4153	TCOL-4153	.047	1,19	.230	5,84	15°
TCOR-4201M	TCOL-4201M	.040	1,00	.180	4,57	20°
TCOR-4202	TCOL-4202	.031	0,78	.100	2,54	20°

## OPP. HAND CUT-OFF

LEFT HAND INSERT WITH RIGHT HAND CUT-OFF SHOWN

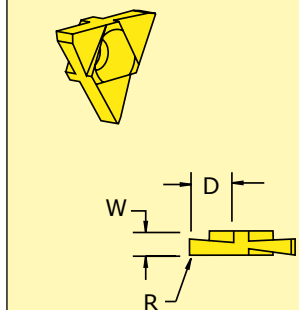


OPP. HAND CUT-OFF  
FOR PICKOFF SPINDLE

		WIDTH		DEPTH		A°
R.H. INSERT NO.	L.H. INSERT NO.	INCH	MM	INCH	MM	
TCORL-4156	TCOLR-4156	.093	2,36	.370	9,40	15°
TCORL-4155	TCOLR-4155	.078	1,98	.370	9,40	15°
TCORL-4154	TCOLR-4154	.062	1,57	.300	7,62	15°
TCORL-4153	TCOLR-4153	.047	1,19	.230	5,84	15°
TCORL-4201M	TCOLR-4201M	.040	1,00	.180	4,57	20°
TCORL-4202	TCOLR-4202	.031	0,78	.100	2,54	20°

## GROOVING

RIGHT HAND SHOWN

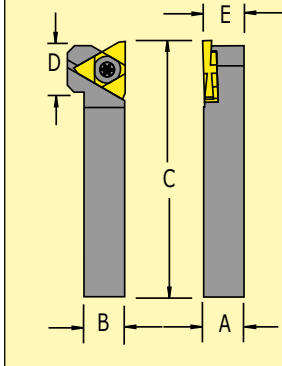


		WIDTH		DEPTH		RADIUS	
R.H. INSERT NO.	L.H. INSERT NO.	INCH	MM	INCH	MM	INCH	MM
TNGR-4125	TNGL-4125	.125	3,18	.370	9,40	.000	0,00
TNGR-4093	TNGL-4093	.093	2,36	.370	9,40	.000	0,00
TNGR-4078	TNGL-4078	.078	1,98	.370	9,40	.000	0,00
TNGR-4062	TNGL-4062	.062	1,57	.300	7,62	.000	0,00
TNGR-4047	TNGL-4047	.047	1,19	.230	5,84	.000	0,00
TNGR-4040	TNGL-4040	.040	1,00	.180	4,57	.000	0,00
TNGR-4031	TNGL-4031	.031	0,78	.100	2,54	.000	0,00
TNGR-4020	TNGL-4020	.020	0,50	.090	2,28	.000	0,00

# MAX-BAR 20 SERIES TOOLING

FOR BAR DIAMETERS UP TO 3/4" (20mm)

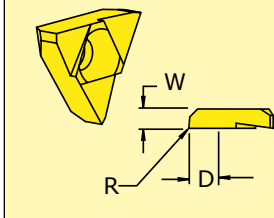
## TOOLHOLDERS



RIGHT HAND SHOWN

R.H. HOLDER NO.	L.H. HOLDER NO.	A	B	C	D	E
STANR-085-V	STANL-085-V	.500	.500	3.50	.920	.505
STANR-085-C	STANL-085-C	.500	.500	5.00	.920	.505
STANR-105-V	STANL-105-V	.625	.625	3.50	.920	.630
STANR-105-D	STANL-105-D	.625	.625	4.50	.920	.630
STANR-125-C	STANL-125-C	.750	.750	5.00	.920	.755
SPARE PARTS		SCREW 4.76-127			WRENCH T-25	

## FRONT TURN

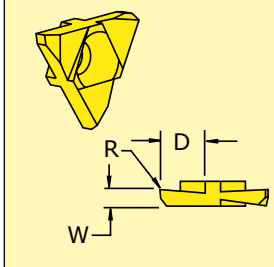


RIGHT HAND SHOWN

R.H. INSERT NO.	L.H. INSERT NO.	WIDTH		DEPTH		RADIUS	
		INCH	MM	INCH	MM	INCH	MM
TFTR-5040	TFTL-5040	.250	6,35	.440	11,2	.000	0,00
TFTR-5045	TFTL-5045	.250	6,35	.440	11,2	.005	0,13
*TFTRB-5040	*TFTLB-5040	.250	6,35	.440	11,2	.000	0,00
*TFTRB-5045	*TFTLB-5045	.250	6,35	.440	11,2	.005	0,13

\*WITH CHIP CONTROL

## BACK TURN

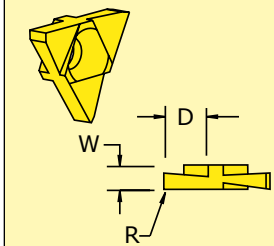


RIGHT HAND SHOWN

R.H. INSERT NO.	L.H. INSERT NO.	WIDTH		DEPTH		RADIUS	
		INCH	MM	INCH	MM	INCH	MM
TBTR-5308	TBTL-5308	.125	3,18	.440	11,2	.000	0,00
TBTR-5306	TBTL-5306	.093	2,36	.370	9,40	.000	0,00
TBTR-5305	TBTL-5305	.078	1,98	.300	7,62	.000	0,00
TBTR-5304	TBTL-5304	.062	1,57	.230	5,84	.000	0,00

## PLUNGE & TURN

(SQUARE BOTTOM)



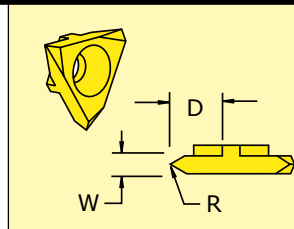
RIGHT HAND SHOWN

R.H. INSERT NO.	L.H. INSERT NO.	WIDTH		DEPTH		RADIUS	
		INCH	MM	INCH	MM	INCH	MM
TTGR-5156	TTGL-5156	.156	3,96	.440	11,2	0.00	0,00
TTGR-5125	TTGL-5125	.125	3.18	.440	11,2	0.00	0,00
TTGR-5093	TTGL-5093	.093	2,36	.370	9,40	0.00	0,00
TTGR-5078	TTGL-5078	.078	1,98	.300	7,62	0.00	0,00
TTGR-5062	TTGL-5062	.062	1,57	.230	5,84	0.00	0,00
TTGR-5047	TTGL-5047	.047	1,19	.130	3,30	0.00	0,00



## THREADING 60°

RIGHT HAND SHOWN

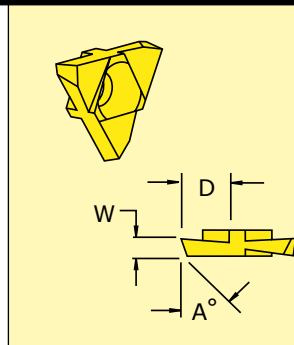


		WIDTH		DEPTH		RADIUS	
R.H. INSERT NO.	L.H. INSERT NO.	INCH	MM	INCH	MM	INCH	MM
TNVR-5125	TNVL-5125	.125	3,18	.440	11,2	.004	0,10
TNVR-5093	TNVL-5093	.093	2,36	.370	9,40	.002	0,05
TNVR-5047	TNVL-5047	.047	1,19	.250	6,35	.000	0,00

THREAD FORM IS CENTRALLY LOCATED

## CUT-OFF

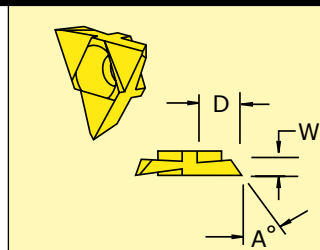
RIGHT HAND SHOWN



		WIDTH		DEPTH		A°
R.H. INSERT NO.	L.H. INSERT NO.	INCH	MM	INCH	MM	
TCOR-5158	TCOL-5158	.125	3,18	.440	11,2	15°
TCOR-5156	TCOL-5156	.093	2,36	.440	11,2	15°
TCOR-5155	TCOL-5155	.078	1,98	.370	9,40	15°
TCOR-5154	TCOL-5154	.062	1,57	.300	7,62	15°
TCOR-5153	TCOL-5153	.047	1,19	.230	5,84	15°
TCOR-5201M	TCOL-5201M	.040	1,00	.180	4,57	20°

## OPP. HAND CUT-OFF

LEFT HAND INSERT WITH RIGHT HAND CUT-OFF SHOWN

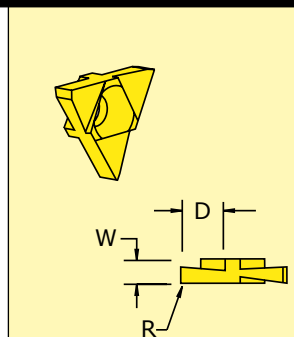


OPP. HAND CUT-OFF  
FOR PICKOFF SPINDLE

		WIDTH		DEPTH		A°
R.H. INSERT NO.	L.H. INSERT NO.	INCH	MM	INCH	MM	
TCORL-5158	TCOLR-5158	.125	3,18	.440	11,2	15°
TCORL-5156	TCOLR-5156	.093	2,36	.440	11,2	15°
TCORL-5155	TCOLR-5155	.078	1,98	.370	9,40	15°
TCORL-5154	TCOLR-5154	.062	1,57	.300	7,62	15°
TCORL-5153	TCOLR-5153	.047	1,19	.230	5,84	15°
TCORL-5201M	TCOLR-5201M	.040	1,00	.180	4,57	20°

## GROOVING

RIGHT HAND SHOWN



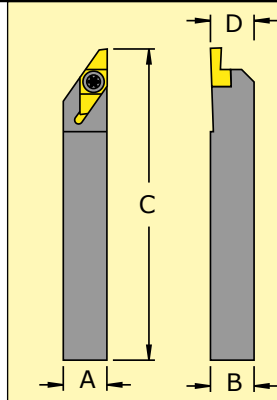
		WIDTH		DEPTH		RADIUS	
R.H. INSERT NO.	L.H. INSERT NO.	INCH	MM	INCH	MM	INCH	MM
TNGR-5156	TNGL-5156	.156	3,96	.440	11,2	.000	0,00
TNGR-5125	TNGL-5125	.125	3,18	.440	11,2	.000	0,00
TNGR-5093	TNGL-5093	.093	2,36	.370	9,40	.000	0,00
TNGR-5078	TNGL-5078	.078	1,98	.370	9,40	.000	0,00
TNGR-5062	TNGL-5062	.062	1,57	.300	7,62	.000	0,00
TNGR-5047	TNGL-5047	.047	1,19	.230	5,84	.000	0,00
TNGR-5040	TNGL-5040	.040	1,00	.180	4,57	.000	0,00

# MAX-BAR 8mm 35° SERIES TOOLING

(FORMERLY 2.5 SERIES)

## TOOLHOLDERS

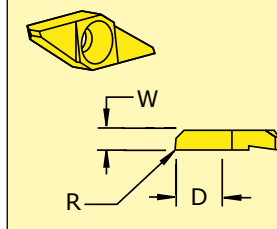
RIGHT HAND SHOWN



R.H. HOLDER NO.	L.H. HOLDER NO.	A	B	C	D
SVANR-3758M-V	SVANL-3758M-V	.375	.375	3.50	.380
SVANR-3758M-C	SVANL-3758M-C	.375	.375	5.00	.380
SVANR-10M8M-C	SVANL-10M8M-C	10mm	10mm	127mm	10mm
SVANR-12M8M-C	SVANL-12M8M-C	12mm	12mm	127mm	12mm
SVANR-5008M-V	SVANL-5008M-V	.500	.500	3.50	.505
SVANR-5008M-C	SVANL-5008M-C	.500	.500	5.00	.505
SVANR-6258M-C	SVANL-6258M-C	.625	.625	5.00	.630
SPARE PARTS	SCREW 3.20-095	WRENCH T-10			

## FRONT TURN

RIGHT HAND SHOWN

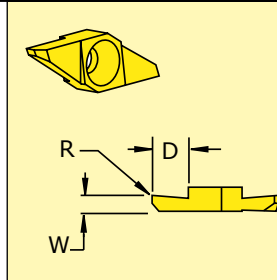


R.H. INSERT NO.	L.H. INSERT NO.	WIDTH		DEPTH		RADIUS	
		INCH	MM	INCH	MM	INCH	MM
VFTR-8M040	VFTL-8M040	.156	4,00	.300	7,62	.000	0,00
VFTR-8M045	VFTL-8M045	.156	4,00	.300	7,62	.005	0,13
*VFTRB-8M040	*VFTLB-8M040	.156	4,00	.300	7,62	.000	0,00
*VFTRB-8M045	*VFTLB-8M045	.156	4,00	.300	7,62	.005	0,13

\*WITH CHIP CONTROL

## BACK TURN

RIGHT HAND SHOWN

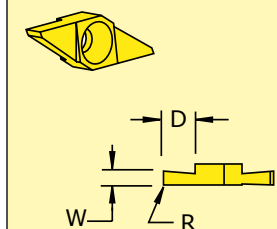


R.H. INSERT NO.	L.H. INSERT NO.	WIDTH		DEPTH		RADIUS	
		INCH	MM	INCH	MM	INCH	MM
VBTR-8M308	VBTL-8M308	.125	3,18	.300	7,62	.000	0,00
VBTR-8M306	VBTL-8M306	.093	2,36	.300	7,62	.000	0,00
VBTR-8M305	VBTL-8M305	.078	1,98	.250	6,35	.000	0,00
VBTR-8M304	VBTL-8M304	.062	1,57	.190	4,83	.000	0,00
VBTR-8M303	VBTL-8M303	.047	1,19	.130	3,30	.000	0,00

## PLUNGE & TURN

RIGHT HAND SHOWN

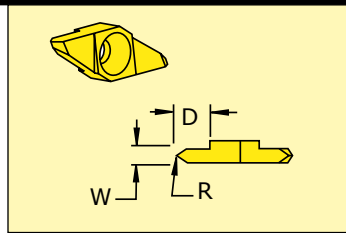
(SQUARE BOTTOM)



R.H. INSERT NO.	L.H. INSERT NO.	WIDTH		DEPTH		RADIUS	
		INCH	MM	INCH	MM	INCH	MM
VTGR-8M125	VTGL-8M125	.125	3,18	.300	7,62	.000	0,00
VTGR-8M093	VTGL-8M093	.093	2,36	.300	7,62	.000	0,00
VTGR-8M078	VTGL-8M078	.078	1,98	.250	6,35	.000	0,00
VTGR-8M062	VTGL-8M062	.062	1,57	.190	4,82	.000	0,00
VTGR-8M047	VTGL-8M047	.047	1,19	.130	3,30	.000	0,00
VTGR-8M031	VTGL-8M031	.031	0,78	.050	1,27	.000	0,00

## THREADING 60°

RIGHT HAND SHOWN

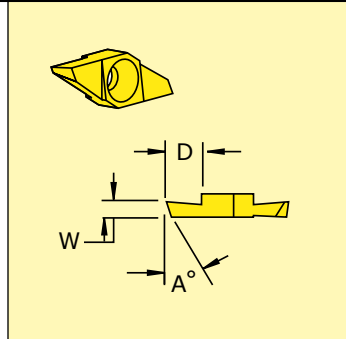


		WIDTH		DEPTH		RADIUS	
R.H. INSERT NO.	L.H. INSERT NO.	INCH	MM	INCH	MM	INCH	MM
VNVR-8M125	VNVL-8M125	.125	3,18	.300	7,62	.004	0,10
VNVR-8M062	VNVL-8M062	.062	1,57	.250	6,35	.002	0,05
VNVR-8M031	VNVL-8M031	.031	0,78	.190	4,82	.000	0,00

THREAD FORM IS CENTRALLY LOCATED

## CUT-OFF

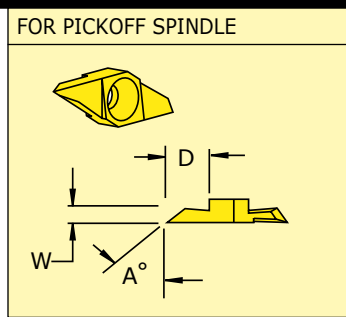
RIGHT HAND SHOWN



		WIDTH		DEPTH		A°
R.H. INSERT NO.	L.H. INSERT NO.	INCH	MM	INCH	MM	
VCOR-8M158	VCOL-8M158	.125	3,18	.320	8,13	15°
VCOR-8M156	VCOL-8M156	.093	2,36	.320	8,13	15°
VCOR-8M155	VCOL-8M155	.078	1,98	.320	8,13	15°
VCOR-8M154	VCOL-8M154	.062	1,57	.260	6,60	15°
VCOR-8M153	VCOL-8M153	.047	1,19	.190	4,83	15°
VCOR-8M201M	VCOL-8M201M	.040	1,00	.130	3,30	20°
VCOR-8M202	VCOL-8M202	.031	0,78	.080	2,03	20°

## OPP. HAND CUT-OFF

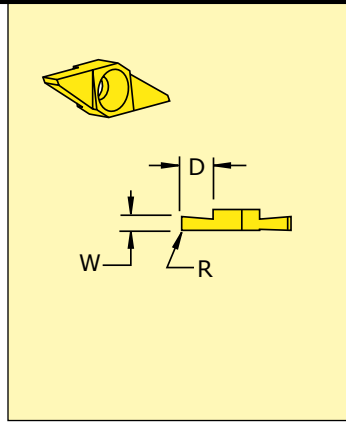
RIGHT HAND INSERT WITH LEFT HAND CUT-OFF SHOWN



		WIDTH		DEPTH		A°
R.H. INSERT NO.	L.H. INSERT NO.	INCH	MM	INCH	MM	
VCORL-8M158	VCOLR-8M158	.125	3,18	.320	8,13	15°
VCORL-8M156	VCOLR-8M156	.093	2,36	.320	8,13	15°
VCORL-8M155	VCOLR-8M155	.078	1,98	.320	8,13	15°
VCORL-8M154	VCOLR-8M154	.062	1,57	.260	6,60	15°
VCORL-8M153	VCOLR-8M153	.047	1,19	.190	4,83	15°
VCORL-8M201M	VCOLR-8M201M	.040	1,00	.130	3,30	20°

## GROOVING

RIGHT HAND SHOWN

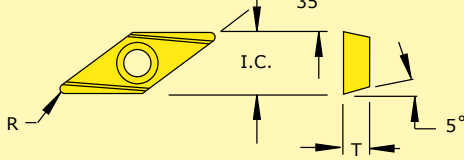


		WIDTH		DEPTH		RADIUS	
R.H. INSERT NO.	L.H. INSERT NO.	INCH	MM	INCH	MM	INCH	MM
VNGR-8M125	VNGL-8M125	.125	3,18	.300	7,62	.000	0,00
VNGR-8M093	VNGL-8M093	.093	2,36	.300	7,62	.000	0,00
VNGR-8M078	VNGL-8M078	.078	1,98	.250	6,35	.000	0,00
VNGR-8M062	VNGL-8M062	.062	1,57	.250	6,35	.000	0,00
VNGR-8M047	VNGL-8M047	.047	1,19	.190	4,83	.000	0,00
VNGR-8M040	VNGL-8M040	.040	1,00	.130	3,30	.000	0,00
VNGR-8M031	VNGL-8M031	.031	0,79	.080	2,03	.000	0,00

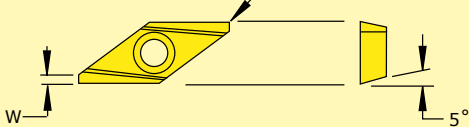
# 35° PROFILING SERIES

## 35° DIAMOND TURNING & PROFILING

RIGHT HAND PROFILING SHOWN WITH CHIP CONTROL



RIGHT HAND FRONT TURN SHOWN WITH CHIP CONTROL



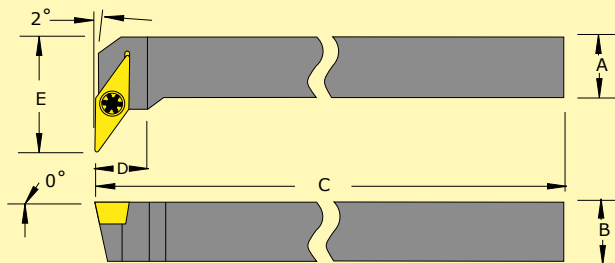
NEUTRAL INSERT NO.	I.C.		T		R	
	INCH	MM	INCH	MM	INCH	MM
VBGB-6M-002	.236	6,00	.118	3,00	.002	0,05
VBGB-6M-005	.236	6,00	.118	3,00	.005	0,13
VBGB-6M-007	.236	6,00	.118	3,00	.007	0,18
VBGB-6M-010	.236	6,00	.118	3,00	.010	0,25
VBGB-6M-015	.236	6,00	.118	3,00	.015	0,38
VBGB-8M-002	.314	8,00	.156	4,00	.002	0,05
VBGB-8M-005	.314	8,00	.156	4,00	.005	0,13
VBGB-8M-007	.314	8,00	.156	4,00	.007	0,18
VBGB-8M-015	.314	8,00	.156	4,00	.015	0,38

## FRONT TURN & CHIP CONTROL

R.H. INSERT NO.	L.H. INSERT NO.	I.C.		T		R		W	
		INCH	MM	INCH	MM	INCH	MM	INCH	MM
VBGBR-6M-FT	VBGBL-6M-FT	.236	6,00	.118	3,00	.000	0,00	.031	0,80
VBGBR-6M-002	VBGBL-6M-002	.236	6,00	.118	3,00	.002	0,05	—	—
VBGBR-6M-005	VBGBL-6M-005	.236	6,00	.118	3,00	.005	0,13	—	—
VBGBR-6M-007	VBGBL-6M-007	.236	6,00	.118	3,00	.007	0,18	—	—
VBGBR-6M-010	VBGBL-6M-010	.236	6,00	.118	3,00	.010	0,25	—	—
VBGBR-6M-015	VBGBL-6M-015	.236	6,00	.118	3,00	.015	0,38	—	—
VBGBR-8M-FT	VBGBL-8M-FT	.314	8,00	.157	4,00	.000	0,00	.031	0,80
VBGBR-8M-002	VBGBL-8M-002	.314	8,00	.157	4,00	.002	0,05	—	—
VBGBR-8M-005	VBGBL-8M-005	.314	8,00	.157	4,00	.005	0,13	—	—
VBGBR-8M-007	VBGBL-8M-007	.314	8,00	.157	4,00	.007	0,18	—	—
VBGBR-8M-015	VBGBL-8M-015	.314	8,00	.157	4,00	.015	0,38	—	—

## GANG TYPE TOOLING-NEUTRAL RAKE 2° LEAD

RIGHT HAND SHOWN



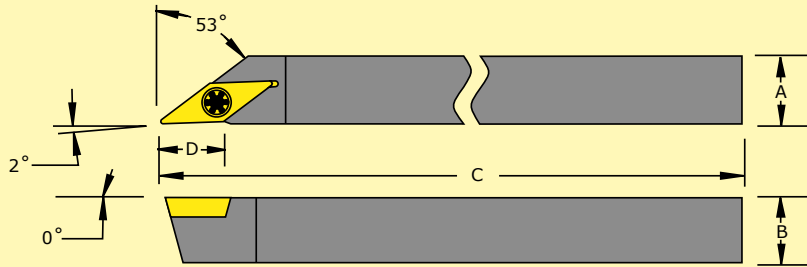
R.H. HOLDER NO.	L.H. HOLDER NO.	INSERT NO.	A	B	C	D	E	SPARE PARTS	
								SCREW	WRENCH
SVFBR-3756M-D	SVFBL-3756M-D	VBGB-6M	.500	.375	4.50	.375	.875	2.40-064	T-7
SVFBR-5006M-D	SVFBL-5006M-D	VBGB-6M	.500	.500	4.50	.375	.875	2.40-064	T-7
SVFBR-6258M-D	SVFBL-6258M-D	VBGB-8M	.625	.625	4.50	.500	1.12	3.20-095	T-10

NOTE: FOR FRONT TURNING & CHIPBREAKER STYLE INSERTS ON GANG TOOLING HOLDERS  
RIGHT HAND HOLDERS USE LEFT HAND INSERTS & LEFT HAND HOLDERS USE RIGHT HAND INSERTS



## NEUTRAL RAKE 2° LEAD

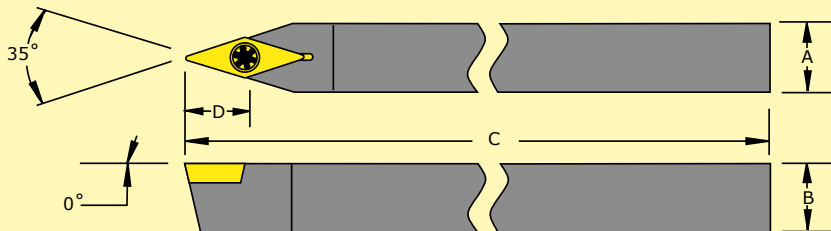
RIGHT HAND SHOWN



R.H. HOLDER NO.	L.H. HOLDER NO.	INSERT NO.	A	B	C	D	SPARE PARTS	
							SCREW	WRENCH
SVJBR-08M6M-C	SVJBL-08M6M-C	VBGB-6M	8mm	8mm	127mm	10mm	2.40-064	T-7
SVJBR-10M6M-C	SVJBL-10M6M-C	VBGB-6M	10mm	10mm	127mm	10mm	2.40-064	T-7
SVJBR-12M6M-C	SVJBL-12M6M-C	VBGB-6M	12mm	12mm	127mm	10mm	2.40-064	T-7
SVJBR-3756M-C	SVJBL-3756M-C	VBGB-6M	.375	.375	5.00	.375	2.40-064	T-7
SVJBR-5006M-C	SVJBL-5006M-C	VBGB-6M	.500	.500	5.00	.375	2.40-064	T-7
SVJBR-5008M-V	SVJBL-5008M-V	VBGB-8M	.500	.500	3.50	.500	3.20-095	T-10
SVJBR-5008M-C	SVJBL-5008M-C	VBGB-8M	.500	.500	5.00	.500	3.20-095	T-10
SVJBR-6258M-V	SVJBL-6258M-V	VBGB-8M	.625	.625	3.50	.500	3.20-095	T-10
SVJBR-6258M-C	SVJBL-6258M-C	VBGB-8M	.625	.625	5.00	.500	3.20-095	T-10
SVJBR-7508M-V	SVJBL-7508M-V	VBGB-8M	.750	.750	3.50	.500	3.20-095	T-10
SVJBR-7508M-C	SVJBL-7508M-C	VBGB-8M	.750	.750	5.00	.500	3.20-095	T-10

## NEUTRAL RAKE 17° 30' LEAD

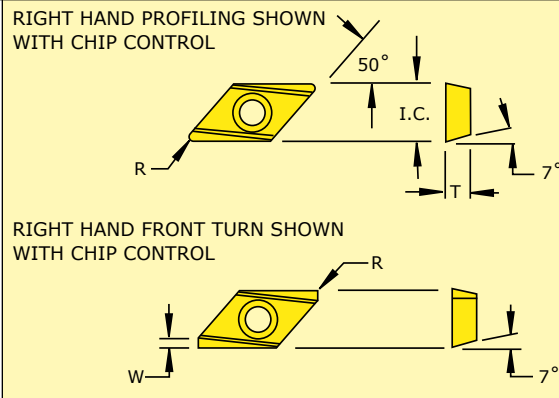
NEUTRAL HAND SHOWN



HOLDER NO.	INSERT NO.	A	B	C	D	SPARE PARTS	
						SCREW	WRENCH
SVVBN-08M6M-C	VBGB-6M	8mm	8mm	127mm	10mm	2.40-064	T-7
SVVBN-10M6M-C	VBGB-6M	10mm	10mm	127mm	10mm	2.40-064	T-7
SVVBN-12M6M-C	VBGB-6M	12mm	12mm	127mm	10mm	2.40-064	T-7
SVVBN-3756M-C	VBGB-6M	.375	.375	5.00	.375	2.40-064	T-7
SVVBN-5006M-C	VBGB-6M	.500	.500	5.00	.375	2.40-064	T-7
SVVBN-5008M-V	VBGB-8M	.500	.500	3.50	.500	3.20-095	T-10
SVVBN-5008M-C	VBGB-8M	.500	.500	5.00	.500	3.20-095	T-10
SVVBN-6258M-V	VBGB-8M	.625	.625	3.50	.500	3.20-095	T-10
SVVBN-6258M-C	VBGB-8M	.625	.625	5.00	.500	3.20-095	T-10
SVVBN-7508M-V	VBGB-8M	.750	.750	3.50	.500	3.20-095	T-10
SVVBN-7508M-C	VBGB-8M	.750	.750	5.00	.500	3.20-095	T-10

# 50° PROFILING SERIES

## 50° DIAMOND TURNING & PROFILING



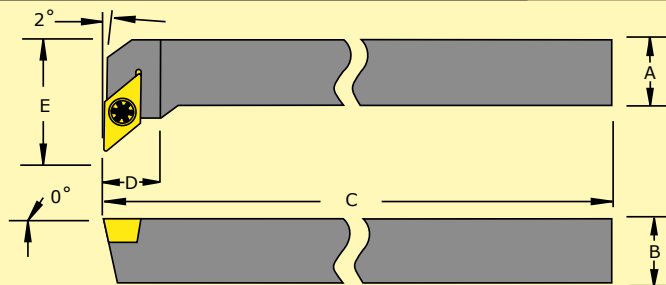
NEUTRAL	I.C.		T		R	
INSERT NO.	INCH	MM	INCH	MM	INCH	MM
KCGB-8M-002	.314	8,00	.157	4,00	.002	0,05
KCGB-8M-005	.314	8,00	.157	4,00	.005	0,13
KCGB-8M-007	.314	8,00	.157	4,00	.007	0,18
KCGB-8M-010	.314	8,00	.157	4,00	.010	0,25
KCGB-8M-015	.314	8,00	.157	4,00	.015	0,38
KCGB-43-005	.500	12,7	.188	4,76	.005	0,13
KCGB-43-010	.500	12,7	.188	4,76	.010	0,25
KCGB-43-015	.500	12,7	.188	4,76	.015	0,38
KCGB-43-030	.500	12,7	.188	4,76	.030	0,76

## FRONT TURN & CHIP CONTROL

		I.C.		T		R		W	
R.H. INSERT NO.	L.H. INSERT NO.	INCH	MM	INCH	MM	INCH	MM	INCH	MM
KCGBR-8M-FT	KCGBL-8M-FT	.314	8,00	.157	4,00	.000	0,00	.031	0,80
KCGBR-8M-002	KCGBL-8M-002	.314	8,00	.157	4,00	.002	0,05	—	—
KCGBR-8M-005	KCGBL-8M-005	.314	8,00	.157	4,00	.005	0,13	—	—
KCGBR-8M-007	KCGBL-8M-007	.314	8,00	.157	4,00	.007	0,18	—	—
KCGBR-8M-010	KCGBL-8M-010	.314	8,00	.157	4,00	.010	0,25	—	—
KCGBR-8M-015	KCGBL-8M-015	.314	8,00	.157	4,00	.015	0,38	—	—
KCGBR-43-FT	KCGBL-43-FT	.500	12,7	.188	4,76	.000	0,00	.062	1,57
KCGBR-43-005	KCGBL-43-005	.500	12,7	.188	4,76	.005	0,13	—	—
KCGBR-43-010	KCGBL-43-010	.500	12,7	.188	4,76	.010	0,25	—	—
KCGBR-43-015	KCGBL-43-015	.500	12,7	.188	4,76	.015	0,38	—	—
KCGBR-43-030	KCGBL-43-030	.500	12,7	.188	4,76	.030	0,76	—	—

## GANG TYPE TOOLING - NEUTRAL RAKE 2° LEAD

RIGHT HAND SHOWN

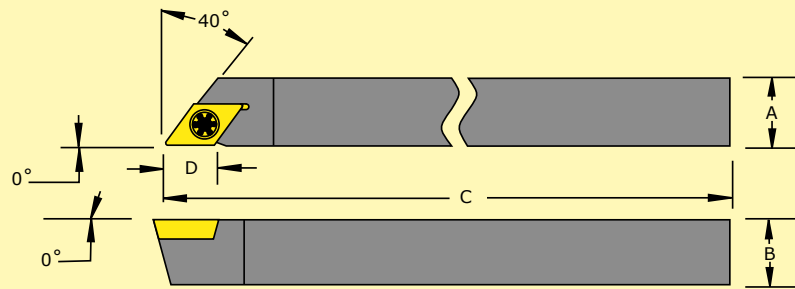


			SPARE PARTS						
R.H. HOLDER NO.	L.H. HOLDER NO.	INSERT NO.	A	B	C	D	E	SCREW	WRENCH
SKFCR-3758M-D	SKFCL-3758M-D	KCGB-8M	.500	.375	4.50	.430	.843	3.20-095	T-10
SKFCR-5008M-D	SKFCL-5008M-D	KCGB-8M	.500	.500	4.50	.430	.843	3.20-095	T-10
SKFCR-62543-D	SKFCL-62543-D	KCGB-43	.625	.625	4.50	.625	1.25	4.76-127	T-25

NOTE: FOR FRONT TURNING & CHIPBREAKER STYLE INSERTS ON GANG TOOLING HOLDERS  
RIGHT HAND HOLDERS USE LEFT HAND INSERTS & LEFT HAND HOLDERS USE RIGHT HAND INSERTS

## NEUTRAL RAKE 0° LEAD

RIGHT HAND SHOWN

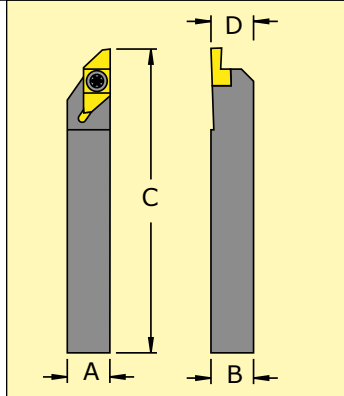


### SPARE PARTS

R.H. HOLDER NO.	L.H. HOLDER NO.	INSERT NO.	A	B	C	D	SCREW	WRENCH
SKACR-10M8M-C	SKACL-10M8M-C	KCGB-8M	10mm	10mm	127mm	10mm	3.20-095	T-10
SKACR-12M8M-C	SKACL-12M8M-C	KCGB-8M	12mm	12mm	127mm	10mm	3.20-095	T-10
SKACR-3758M-V	SKACL-3758M-V	KCGB-8M	.375	.375	3.50	.390	3.20-095	T-10
SKACR-3758M-C	SKACL-3758M-C	KCGB-8M	.375	.375	5.00	.390	3.20-095	T-10
SKACR-5008M-V	SKACL-5008M-V	KCGB-8M	.500	.500	3.50	.390	3.20-095	T-10
SKACR-5008M-C	SKACL-5008M-C	KCGB-8M	.500	.500	5.00	.390	3.20-095	T-10
SKACR-62543-V	SKACL-62543-V	KCGB-43	.625	.625	3.50	.625	4.76-127	T-25
SKACR-62543-C	SKACL-62543-C	KCGB-43	.625	.625	5.00	.625	4.76-127	T-25
SKACR-75043-V	SKACL-75043-V	KCGB-43	.750	.750	3.50	.625	4.76-127	T-25
SKACR-75043-C	SKACL-75043-C	KCGB-43	.750	.750	5.00	.625	4.76-127	T-25

# MAX-BAR 50° SERIES TOOLING

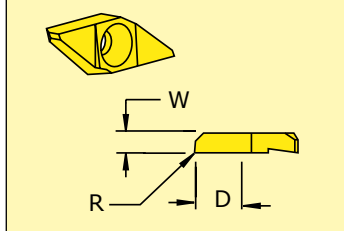
## TOOLHOLDERS



R.H. HOLDER NO.	L.H. HOLDER NO.	A	B	C	D
SKANR-104-V	SKANL-104-V	.625	.625	3.50	.630
SKANR-104-C	SKANL-104-C	.625	.625	5.00	.630
SKANR-124-V	SKANL-124-V	.750	.750	3.50	.755
SKANR-124-C	SKANL-124-C	.750	.750	5.00	.755
SKANR-164-C	SKANL-164-C	1.00	1.00	5.00	1.00
SPARE PARTS	SCREW 4.76-127	WRENCH T-25			

## FRONT TURN

RIGHT HAND SHOWN

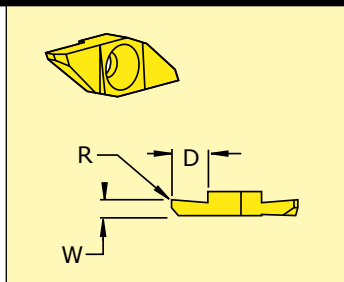


		WIDTH		DEPTH		RADIUS	
R.H. INSERT NO.	L.H. INSERT NO.	INCH	MM	INCH	MM	INCH	MM
KFTR-4040	KFTL-4040	.187	4,75	.300	7,62	.000	0,00
KFTR-4045	KFTL-4045	.187	4,75	.300	7,62	.005	0,13
*KFTRB-4040	*KFTLB-4040	.187	4,75	.300	7,62	.000	0,00
*KFTRB-4045	*KFTLB-4045	.187	4,75	.300	7,62	.005	0,13

\*WITH CHIP CONTROL

## BACK TURN

RIGHT HAND SHOWN

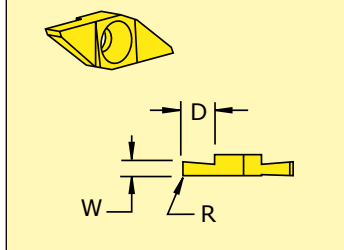


		WIDTH		DEPTH		RADIUS	
R.H. INSERT NO.	L.H. INSERT NO.	INCH	MM	INCH	MM	INCH	MM
KBTR-4308	KBTL-4308	.125	3,18	.300	7,62	.000	0,00
KBTR-4306	KBTL-4306	.093	2,36	.300	7,62	.000	0,00
KBTR-4305	KBTL-4305	.078	1,98	.250	6,35	.000	0,00
KBTR-4304	KBTL-4304	.062	1,57	.190	4,83	.000	0,00
KBTR-4303	KBTL-4303	.047	1,19	.130	3,30	.000	0,00

## PLUNGE & TURN

RIGHT HAND SHOWN

(SQUARE BOTTOM)

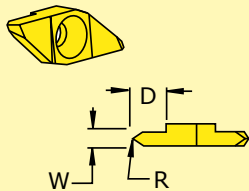


		WIDTH		DEPTH		RADIUS	
R.H. INSERT NO.	L.H. INSERT NO.	INCH	MM	INCH	MM	INCH	MM
KTGR-4125	KTGL-4125	.125	3,18	.300	7,62	.000	0,00
KTGR-4093	KTGL-4093	.093	2,36	.300	7,62	.000	0,00
KTGR-4078	KTGL-4078	.078	1,98	.250	6,35	.000	0,00
KTGR-4062	KTGL-4062	.062	1,57	.190	4,82	.000	0,00
KTGR-4047	KTGL-4047	.047	1,19	.130	3,30	.000	0,00



## THREADING 60°

RIGHT HAND SHOWN

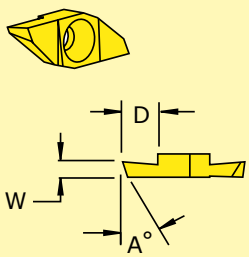


		WIDTH		DEPTH		RADIUS	
R.H. INSERT NO.	L.H. INSERT NO.	INCH	MM	INCH	MM	INCH	MM
KNVR-4125	KNVL-4125	.125	3,18	.300	7,62	.004	0,10
KNVR-4062	KNVL-4062	.062	1,57	.250	6,35	.002	0,05
KNVR-4031	KNVL-4031	.031	0,78	.190	4,82	.000	0,00

THREAD FORM IS CENTRALLY LOCATED

## CUT-OFF

RIGHT HAND SHOWN

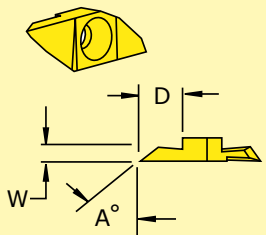


		WIDTH		DEPTH		A°
R.H. INSERT NO.	L.H. INSERT NO.	INCH	MM	INCH	MM	
KCOR-4158	KCOL-4158	.125	3,18	.320	8,13	15°
KCOR-4156	KCOL-4156	.093	2,36	.320	8,13	15°
KCOR-4155	KCOL-4155	.078	1,98	.320	8,13	15°
KCOR-4154	KCOL-4154	.062	1,57	.260	6,60	15°
KCOR-4153	KCOL-4153	.047	1,19	.190	4,83	15°
KCOR-4201M	KCOL-4201M	.040	1,00	.130	3,30	20°

## OPP. HAND CUT-OFF

RIGHT HAND INSERT WITH LEFT HAND CUT-OFF SHOWN

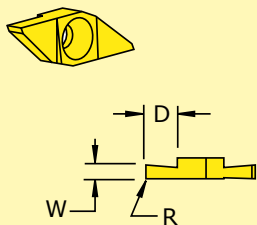
FOR PICKOFF SPINDLE



		WIDTH		DEPTH		A°
R.H. INSERT NO.	L.H. INSERT NO.	INCH	MM	INCH	MM	
KCORL-4156	KCOLR-4156	.093	2,36	.320	8,13	15°
KCORL-4155	KCOLR-4155	.078	1,98	.320	8,13	15°
KCORL-4154	KCOLR-4154	.062	1,57	.260	6,60	15°
KCORL-4153	KCOLR-4153	.047	1,19	.190	4,83	15°

## GROOVING

RIGHT HAND SHOWN

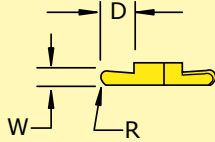


		WIDTH		DEPTH		RADIUS	
R.H. INSERT NO.	L.H. INSERT NO.	INCH	MM	INCH	MM	INCH	MM
KNGR-4125	KNGL-4125	.125	3,18	.300	7,62	.000	0,00
KNGR-4093	KNGL-4093	.093	2,36	.300	7,62	.000	0,00
KNGR-4078	KNGL-4078	.078	1,98	.300	7,62	.000	0,00
KNGR-4062	KNGL-4062	.062	1,57	.250	6,60	.000	0,00
KNGR-4047	KNGL-4047	.047	1,19	.190	4,83	.000	0,00
KNGR-4040	KNGL-4040	.040	1,00	.130	3,30	.000	0,00
KNGR-4031	KNGL-4031	.031	0,79	.080	2,03	.000	0,00

# MAX-BAR 50° SERIES TOOLING

## FULL RADIUS

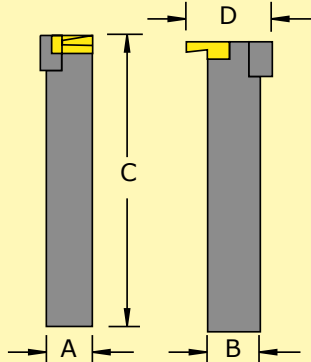
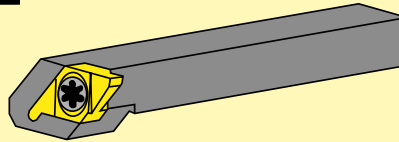
RIGHT HAND SHOWN



R.H. INSERT NO.	L.H. INSERT NO.	WIDTH		DEPTH		RADIUS	
		INCH	MM	INCH	MM	INCH	MM
KFRR-4125	KFRL-4125	.125	3,18	.300	7,62	.062	1,58
KFRR-4093	KFRL-4093	.093	2,36	.300	7,62	.047	1,19
KFRR-4078	KFRL-4078	.078	1,98	.300	7,62	.039	1,00
KFRR-4062	KFRL-4062	.062	1,57	.250	4,83	.031	0,78
KFRR-4047	KFRL-4047	.047	1,19	.190	4,83	.023	0,60
KFRR-4031	KFRL-4031	.031	0,79	.080	2,03	.015	0,40

## MAX-BAR RIGHT ANGLE HOLDERS

FOR TURRET & GANG LOADING



RIGHT HAND SHOWN

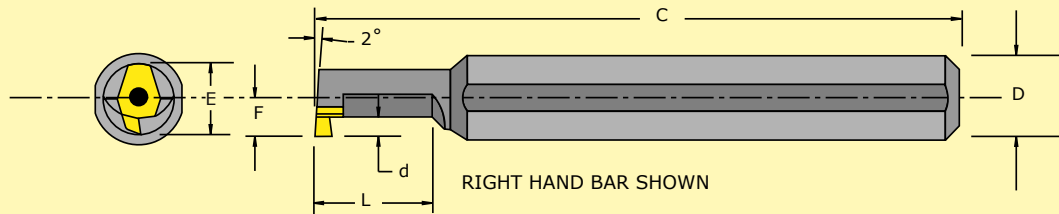
R.H. HOLDER NO.	L.H. HOLDER NO.	A	B	C	D	SCREW	WRENCH
SKFNR-064-D	SKFNL-064-D	.375	.500	4.50	1.15	4.76-127	T-25
SKFNR-084-D	SKFNL-084-D	.500	.500	4.50	1.15	4.76-127	T-25
SKFNR-104-D	SKFNL-104-D	.625	.625	4.50	1.15	4.76-127	T-25
SKFNR-124-C	SKFNL-124-C	.750	.750	5.00	1.05	4.76-127	T-25
SKFNR-164-C	SKFNL-164-C	1.00	1.00	5.00	1.30	4.76-127	T-25

NON-STANDARD SHANK SIZES AND RECTANGULAR SHANKS AVAILABLE ON REQUEST

NOTE: RIGHT HAND HOLDERS USE LEFT HAND INSERTS. LEFT HAND HOLDERS USE RIGHT HAND INSERTS.

## MAX-BAR UNI-MAX DIAMOND BARS

LEFT & RIGHT I.D. BAR

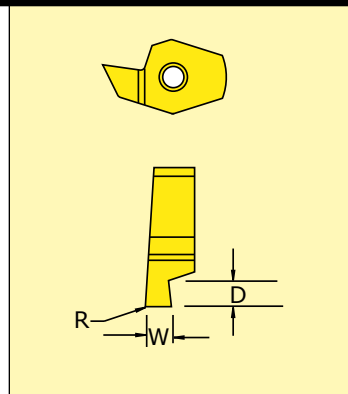


L.H & R.H. BAR NO.	D	F	L	d	C	E	SCREW	WRENCH
S08D-SVFNLR6MID-1A	.500	.218	.875	.093	5.75	.437	2.40-064	T-7
S10D-SVFNLR6MID-1A	.625	.218	.875	.093	5.75	.437	2.40-064	T-7
S12D-SVFNLR6MID-1A	.750	.218	.875	.093	5.75	.437	2.40-064	T-7

NOTE: RIGHT HAND BAR TURNING (COUNTER CLOCKWISE ROTATION) USE LEFT HAND INSERTS  
LEFT HAND BAR TURNING (CLOCKWISE ROTATION) USE RIGHT HAND INSERTS

## GROOVING

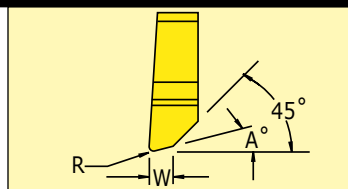
LEFT HAND INSERT SHOWN FOR RIGHT HAND GROOVING



R.H.INSERT NO.	L.H. INSERT NO.	WIDTH		DEPTH		RADIUS	
		INCH	MM	INCH	MM	INCH	MM
VNGL-6MID020	VNGL-6MID020	.020	0,50	.040	1,00	.000	0,00
VNGR-6MID025	VNGL-6MID025	.025	0,63	.050	1,27	.000	0,00
VNGR-6MID031	VNGL-6MID031	.031	0,78	.060	1,52	.000	0,00
VNGR-6MID040	VNGL-6MID040	.040	1,00	.080	2,03	.000	0,00
VNGR-6MID047	VNGL-6MID047	.047	1,20	.090	2,28	.000	0,00
VNGR-6MID062	VNGL-6MID062	.062	1,57	.090	2,28	.000	0,00
VNGR-6MID078	VNGL-6MID078	.078	1,98	.090	2,28	.000	0,00
VNGR-6MID093	VNGL-6MID093	.093	2,36	.090	2,28	.000	0,00

## BORING

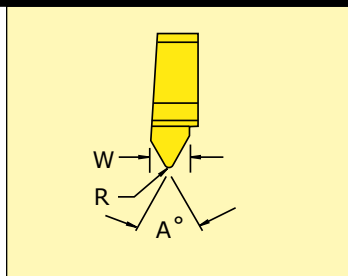
LEFT HAND INSERT SHOWN FOR RIGHT HAND BORING



R.H. INSERT NO.	L.H. INSERT NO.	WIDTH		RADIUS		A°
		INCH	MM	INCH	MM	
VFTR-6MID040	VFTL-6MID040	.060	1,52	.000	0,00	4°
VFTR-6MID152	VFTL-6MID152	.030	0,76	.002	0,05	20°
VFTR-6MID157	VFTL-6MID157	.030	0,76	.007	0,18	20°

## THREADING

LEFT HAND INSERT SHOWN FOR RIGHT HAND THREADING



R.H. INSERT NO.	L.H. INSERT NO.	WIDTH		RADIUS		A°
		INCH	MM	INCH	MM	
VNVR-6MID6031	VNVL-6MID6031	.031	0,78	.002	0,05	60°
VNVR-6MID6062	VNVL-6MID6062	.062	1,57	.002	0,05	60°
VNVR-6MID6093	VNVL-6MID6093	.093	2,36	.004	0,10	60°
VNVR-6MID9047	VNVL-6MID9047	.047	1,20	.005	0,13	90°
VNVR-6MID9093	VNVL-6MID9093	.093	2,36	.005	0,13	90°

# NOTES

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To place an order, call 1-800-221-1790



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# Max-Bar Tool Co., Inc.

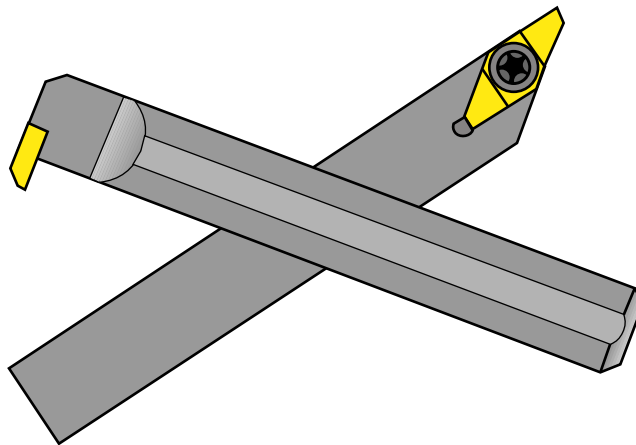
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