



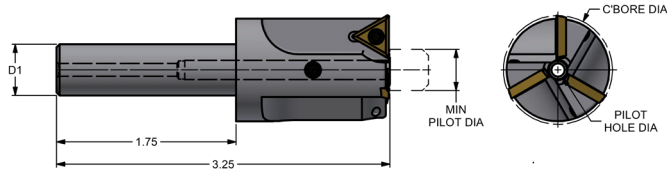


Inserts sold separately.

### CHAMFERMILLS WITH WELDON SHANKS (Series CHM)

EVEREDE PART NUMBER	MIN DIA	MAX DIA	D1 SHANK DIA	L1	CHAMFER ANGLE	# OF FLUTES	LENGTH OF CUT	OVERALL LENGTH	INSERT
CHM-750-30	.750	1.303	3/4	2 1/32	30 °	2	.479	3.000	APLT-347 See Inserts Page 2
CHM-688-41	.688	1.414	3/4		41 °		.418		
CHM-688-45	.688	1.471	3/4		45 °		.391		
CHM-500-60	.500	1.458	3/4		60 °		.277		
CHM-1.000-30	1.000	1.553	1	2 9/32	30 °	3	.479	3.200	
CHM-938-41	.938	1.664	1		41 °		.418		
CHM-938-45	.938	1.721	1		45 °		.391		
CHM-750-60	.750	1.708	1		60 °		.277		
CHM-1.250-30	1.250	1.803	1-1/4	2 9/32	30 °	3	.479	3.200	
CHM-1.188-41	1.188	1.914	1-1/4		41 °		.418		
CHM-1.188-45	1.188	1.971	1-1/4		45 °		.391		
CHM-1.000-60	1.000	1.958	1-1/4		60 °		.277		
CHM-1.500-30	1.500	2.053	1-1/2	2 11/16	30 °	3	.479	3.600	
CHM-1.438-41	1.438	2.164	1-1/2		41 °		.418		
CHM-1.438-45	1.438	2.221	1-1/2		45 °		.391		
CHM-1.250-60	1.250	2.208	1-1/2		60 °		.277		

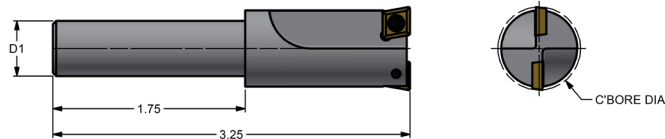
<ul style="list-style-type: none"> <li>• Metric sizes available.</li> <li>• Sets are available. See page 57.</li> </ul>	 Inserts p. 2	 Screws p. 57	 Wrenches p. 57	 Tech Pages. 6-13	<ul style="list-style-type: none"> <li>• Special angles available. See custom tooling at <a href="http://www.everede.net">www.everede.net</a></li> </ul>
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Pilots and inserts sold separately.  
See page 58 for pilot ordering information.  
All tools have 3 flutes.  
Overall length is 3.2"

### PILOTED COUNTERBORES (Series INCB)

EVEREDE PART NUMBER	COUNTERBORE DIAMETER	D1 "SHANK DIAMETER"	MIN PILOT DIAMETER	PILOT HOLE DIAMETER	INSERT
INCB-1.000-188S	1	1/2	.214	3/16	TPGH-215 See Inserts page 3
INCB-1.062-188S	1-1/16	1/2	.276	3/16	
INCB-1.125-188S	1-1/8	1/2	.337	3/16	
INCB-1.188-188S	1-3/16	1/2	.402	3/16	
INCB-1.250-312S	1-1/4	1/2	.464	5/16	
INCB-1.312-312S	1-5/16	1/2	.526	5/16	
INCB-1.375-312S	1-3/8	1/2	.589	5/16	
INCB-1.438-312S	1-7/16	1/2	.652	5/16	
INCB-1.500-312S	1-1/2	3/4	.714	5/16	
INCB-1.562-312S	1-9/16	3/4	.776	5/16	
INCB-1.625-312S	1-5/8	3/4	.839	5/16	
INCB-1.688-312S	1-11/16	3/4	.902	5/16	
INCB-1.750-438S	1-3/4	3/4	.964	7/16	
INCB-1.812-438S	1-13/16	3/4	1.026	7/16	
INCB-1.875-438S	1-7/8	3/4	1.089	7/16	
INCB-1.938-438S	1-15/16	3/4	1.152	7/16	
INCB-2.000-438S	2	1	1.214	7/16	



Inserts sold separately.  
All tools have 2 flutes and 1/2 shank.  
Overall length is 3.2"

### PILOTLESS COUNTERBORES (Series INCB)

EVEREDE PART NUMBER	COUNTERBORE DIAMETER	MINIMUM CUT DIAMETER	INSERT
INCB-625S	5/8	.148	CCGT-21.51 See Inserts page 2
INCB-688S	11/16	.211	
INCB-750S	3/4	.273	
INCB-812S	13/16	.335	
INCB-875S	7/8	.398	
INCB-938S	15/16	.461	

Metric sizes only available as special order.



Inserts pgs. 2-3



Screws p. 57

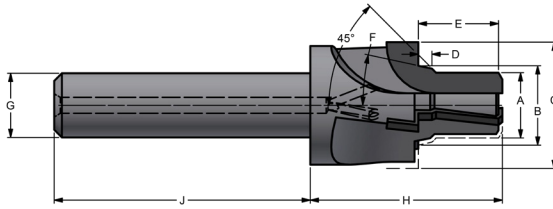


Wrenches p. 57



Tech Pages. 6-13

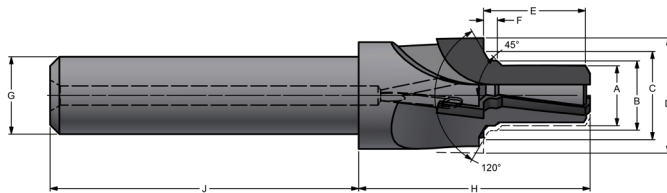
Specials available by request.



All cutters have 3 carbide tipped flutes.

**SAE J1926/MS16142 (Series PC) with coolant thru**

EVEREDE PART NUMBER	PORT SIZE	PRE DRILL SIZE	TUBE #	A	B ± .002	C	D ± .008	E	F	G	H
				DIA.	DIA.	MIN. DIA.	LENGTH	MIN. LENGTH	ANGLE	-.0005 -.0010	LENGTH
CTPC-312-24	5/16-24	0.25	2	0.272	0.360	0.669	0.083	0.472	12°	1/2	1-1/2
CTPC-375-24	3/8-24	0.31	3	0.335	0.423	0.748	0.083	0.472	12°	1/2	1-1/2
CTPC-438-20	7/16-20	0.37	4	0.389	0.490	0.827	0.102	0.551	12°	1/2	1-1/2
CTPC-500-20	1/2-20	0.44	5	0.452	0.553	0.906	0.102	0.551	12°	1/2	1-1/2
CTPC-562-18	9/16-18	0.48	6	0.509	0.618	0.984	0.106	0.610	12°	1/2	1-1/2
CTPC-750-16	3/4-16	0.67	8	0.689	0.813	1.181	0.106	0.689	15°	3/4	1-1/2
CTPC-875-14	7/8-14	0.78	10	0.806	0.945	1.339	0.106	0.787	15°	3/4	2
CTPC-1.062-12	1 1/16-12	0.95	12	0.981	1.150	1.614	0.138	0.906	15°	3/4	2
CTPC-1.188-12	1 3/16-12	1.09	14	1.106	1.276	1.772	0.138	0.906	15°	3/4	2
CTPC-1.312-12	1 5/16-12	1.21	16	1.231	1.400	1.929	0.138	0.906	15°	3/4	2
CTPC-1.625-12	1 5/8-12	1.53	20	1.544	1.715	2.284	0.138	0.906	15°	3/4	2
CTPC-1.875-12	1 7/8-12	1.78	24	1.794	1.965	2.559	0.138	0.906	15°	3/4	2



All cutters have 3 carbide tipped flutes.

**SAE AS5202/MS33649 (Series PC) with coolant thru**

EVEREDE PART NUMBER	PORT SIZE (UNJF & UNJ)	PRE DRILL SIZE	TUBE #	A	B + .005 -.000	C + .015 -.000	D	E	G	H	J
				DIA.	DIA.	DIA.	MIN DIA.	MIN. LENGTH	-.0005 -.0010	LENGTH	LENGTH
CTPC-375-24-649	3/8-24	0.31	3	.335	.390	.500	.688	.588	1/2	1-1/2	2
CTPC-438-20-649	7/16-20	0.37	4	.389	.454	.562	.750	.661	1/2	1-1/2	2
CTPC-500-20-649	1/2-20	0.43	5	.452	.517	.625	.812	.661	1/2	1-1/2	2
CTPC-562-18-649	9/16-18	0.49	6	.515	.580	.688	.875	.714	1/2	1-1/2	2
CTPC-625-18-649	5/8-18	0.55	7	.578	.643	.750	.938	.730	1/2	1-1/2	2
CTPC-750-16-649	3/4-16	0.66	8	.689	.769	.875	1.062	.839	3/4	1-1/2	2
CTPC-875-14-649	7/8-14	0.77	10	.797	.896	1.000	1.188	.935	3/4	2	2
CTPC-1.062-12-649	1 1/16-12	0.96	12	.981	1.086	1.234	1.438	1.069	3/4	2	2
CTPC-1.188-12-649	1 3/16-12	1.08	14	1.106	1.211	1.362	1.562	1.069	3/4	2	2
CTPC-1.312-12-649	1 5/16-12	1.21	16	1.231	1.336	1.487	1.688	1.069	3/4	2	2
CTPC-1.625-12-649	1 5/8-12	1.52	20	1.544	1.648	1.800	2.000	1.121	3/4	2	2
CTPC-1.875-12-649	1 7/8-12	1.77	24	1.794	1.898	2.050	2.250	1.132	3/4	2	2

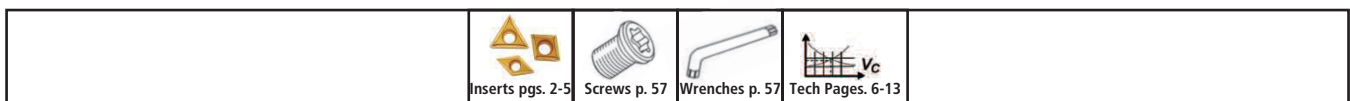
<b>MATERIAL APPLICATIONS RECOMMENDATIONS FOR INDEXABLE PORT CONTOUR CUTTERS</b>											
MATERIAL	RPM / IPR	7/16-20	1/2-20	9/16-18	3/4-16	7/8-14	1 1/6-12	1 3/16-12	1 5/16-12	1 5/8-12	1 7/8-12
STEEL (120-180 BHN)	RPM	3300	2900	2600	2000	1800	1500	1400	1200	1000	900
	IPR	.003	.003	.003	.004	.004	.005	.005	.005	.006	.006
STEEL (180-240 BHN)	RPM	3000	2650	2350	1800	1600	1300	1200	1100	950	850
	IPR	.003	.003	.003	.004	.004	.005	.005	.005	.006	.006
STEEL (240-300 BHN)	RPM	2650	2350	2100	1600	1500	1200	1100	1000	900	750
	IPR	.003	.003	.003	.004	.004	.005	.005	.005	.006	.006
300 SERIES STAINLESS	RPM	2000	1750	1600	1200	1000	900	800	700	600	500
	IPR	.003	.003	.003	.004	.004	.005	.005	.005	.006	.006
400 SERIES STAINLESS	RPM	2300	2050	1850	1400	1300	1100	1000	900	750	700
	IPR	.003	.003	.003	.004	.004	.005	.005	.005	.006	.006
17-4 & PH SERIES S.S.	RPM	2150	1900	1700	1300	1200	1000	900	800	700	600
	IPR	.003	.003	.003	.004	.004	.005	.005	.005	.006	.006
CAST IRON	RPM	2650	2350	2100	1600	1500	1200	1100	1000	900	750
	IPR	.004	.004	.004	.005	.005	.006	.006	.006	.008	.008
ALUMINUM	RPM	4800	4250	3800	2900	2800	2700	2600	2400	2000	1800
	IPR	.004	.004	.004	.005	.005	.006	.006	.006	.006	.006
TITANIUM	RPM	1150	1000	900	700	600	500	450	400	350	300
	IPR	.003	.003	.003	.004	.004	.005	.005	.005	.006	.006
HIGH TEMP ALLOY	RPM	1150	1000	900	700	600	500	450	400	350	300
	IPR	.003	.003	.003	.004	.004	.005	.005	.005	.006	.006

Speeds based on uncoated inserts.

IPR based on single cutting edge. For multiple flute tools, multiply by the number of flutes.

Speeds and feeds will vary upon application.

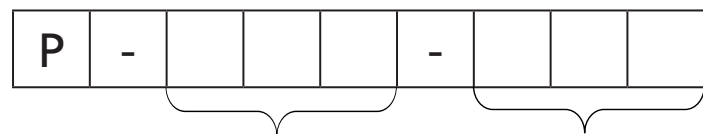
Please call us for specific application cutting parameters. Add approximately 30% to speeds for coated inserts.



<b>HARDWARE</b>				
HOLDER SERIES	INSERT	TORX SCREW	SCREW DESCRIPTION	TORX WRENCH
A FL	CDCD CDCC CDCH	19501 Screw	1-72 OVAL X .090 LG.-T6	19551 Wrench
B FL RCH	TDAB TDAC	19503 Screw	2-56 OVAL X .110 LG. -T7	19552 Wrench
C FL	TPGB-2 TPGC-2	19504 Screw	4-40 OVAL X .250 LG. -T8	19553 Wrench
C	TPGH-2	19506 Screw	4-40 X .250 LG. - T-10	19554 Wrench
INCB IND IFPC	TPGH-2	19074 Screw	M2.5 X .250 LG. - T-10	19554 Wrench
D	TPGB-3 TPGC-3	19508 Screw	4-40 F.H. X .250 LG. - T-8	19553 Wrench
	TPGH-3	19507 Screw	4-40 F.H. X .250 LG. - T-10	19554 Wrench
E, ANSI	WCGT-0	19040 Screw	M2 X .4 I.S.O. X .135 LG. - T-6	19551 Wrench
F, ANSI	WCGT-1	19041 Screw	M2 X .4 I.S.O. X .180 LG. - T-6	19551 Wrench
G, ANSI	WCGT-2	19035 Screw	M2.5 X .45 I.S.O. X .220 LG. - T-7	19552 Wrench
H, ANSI	WCGT-3	19043 Screw	M4 X .7 I.S.O. X .315 LG. - T-15	19555 Wrench
INCB IFPC ANSI	CCGT-21.51	19035 Screw	M2.5 X .45 I.S.O. X .220 LG. - T-7	19552 Wrench
ANSI	CCGT-32.51	19070 Screw	M3.5 X .6 ISO X .315 LG. - T-15	19555 Wrench
ANSI	CPGT-21.51	19035 Screw	M2.5 X .45 I.S.O. X .220 LG. - T-7	19552 Wrench
ANSI	CPGT-32.51	19070 Screw	M3.5 X .6 ISO X .315 LG. - T-15	19555 Wrench
ANSI	DCGT-21.51	19035 Screw	M2.5 X .45 I.S.O. X .220 LG. - T-7	19552 Wrench
ANSI	DCGT-32.51	19070 Screw	M3.5 X .6 ISO X .315 LG. - T-15	19555 Wrench
ANSI	TCGT-21.51	19035 Screw	M2.5 X .45 I.S.O. X .220 LG. - T-7	19552 Wrench
ANSI	TCGT-32.51	19070 Screw	M3.5 X .6 ISO X .315 LG. - T-15	19555 Wrench
ANSI	TPGT-21.51	19035 Screw	M2.5 X .45 I.S.O. X .220 LG. - T-7	19552 Wrench
ANSI	TPGT-32.51	19070 Screw	M3.5 X .6 ISO X .315 LG. - T-15	19555 Wrench
TH	CDCT-2	19501 Screw	1-72 OVAL X .090 LG. - T-6	19551 Wrench
CHM	APLT	19043 Screw	M4 X .7 I.S.O. X .315 LG. - T-15	19555 Wrench
PB	VPGT-2	19035 Screw	M2.5 X .45 I.S.O. X .220 LG. - T-7	19552 Wrench
PB	XPGT-1	19041 Screw	M2 X .4 I.S.O. X .180 LG. - T-6	19551 Wrench

## Ordering Information

## PILOT



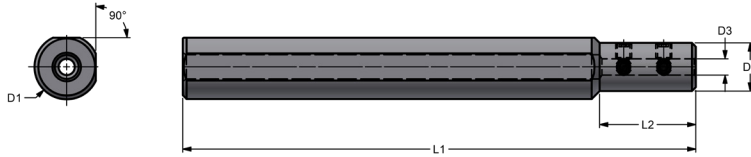
PILOT DIAMETER

PILOT HOLE SIZE  
available sizes: .188, .312, .437


EXAMPLE: 7/16 pilot x 3/16 shank Everede Part Number: P-437-188



Price and availability available on request. Non-stock. Quick delivery item.



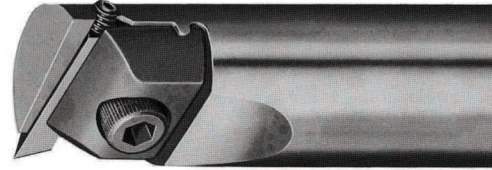
## BORING BAR SLEEVES

EVEREDE PART NUMBER	D1	D2	D3	L1	L2	
	SHANK DIA	HEAD DIA	BAR DIA	OAL	HEAD LENGTH	SCREW #
BBS-125/375	3/8	3/8	1/8	4	3/4	19220 Screw
BBS-125/500	1/2	3/8	1/8	4	3/4	19220 Screw
BBS-125/625	5/8	3/8	1/8	4	3/4	19220 Screw
BBS-125/750	3/4	3/8	1/8	5	3/4	19220 Screw
BBS-125/1000	1	3/8	1/8	6	3/4	19220 Screw
BBS-156/375	3/8	3/8	5/32	4	3/4	19220 Screw
BBS-156/500	1/2	7/16	5/32	4	3/4	19220 Screw
BBS-156/625	5/8	7/16	5/32	4	3/4	19220 Screw
BBS-156/750	3/4	7/16	5/32	5	3/4	19220 Screw
BBS-156/1000	1	7/16	5/32	6	3/4	19220 Screw
BBS-156/1250	1-1/4	7/16	5/32	8	3/4	19220 Screw
BBS-156/1500	1-1/2	7/16	5/32	8	3/4	19220 Screw
BBS-187/375	3/8	3/8	3/16	4	3/4	19231 Screw
BBS-187/500	1/2	7/16	3/16	4	3/4	19231 Screw
BBS-187/625	5/8	7/16	3/16	4	3/4	19231 Screw
BBS-187/750	3/4	7/16	3/16	5	3/4	19231 Screw
BBS-187/1000	1	7/16	3/16	6	3/4	19231 Screw
BBS-187/1250	1-1/4	7/16	3/16	8	3/4	19231 Screw
BBS-187/1500	1-1/2	7/16	3/16	8	3/4	19231 Screw
BBS-250/500	1/2	1/2	1/4	4	1	19251 Screw
BBS-250/625	5/8	5/8	1/4	4	1	19251 Screw
BBS-250/750	3/4	5/8	1/4	5	1	19251 Screw
BBS-250/1000	1	5/8	1/4	6	1	19251 Screw
BBS-250/1250	1-1/4	5/8	1/4	8	1	19251 Screw
BBS-250/1500	1-1/2	5/8	1/4	8	1	19251 Screw
BBS-312/625	5/8	5/8	5/16	4	1-1/4	19251 Screw
BBS-312/750	3/4	11/16	5/16	5	1-1/4	19251 Screw
BBS-312/1000	1	11/16	5/16	6	1-1/4	19251 Screw
BBS-312/1250	1-1/4	11/16	5/16	8	1-1/4	19251 Screw
BBS-312/1500	1-1/2	11/16	5/16	8	1-1/4	19251 Screw
BBS-375/625	5/8	5/8	3/8	4	1-1/2	19022 Screw
BBS-375/750	3/4	3/4	3/8	5	1-1/2	19022 Screw
BBS-375/1000	1	3/4	3/8	6	1-1/2	19022 Screw
BBS-375/1250	1-1/4	3/4	3/8	8	1-1/2	19022 Screw
BBS-375/1500	1-1/2	3/4	3/8	8	1-1/2	19022 Screw
BBS-500/750	3/4	3/4	1/2	5	2	19022 Screw
BBS-500/1000	1	1	1/2	6	2	19263 Screw
BBS-500/1250	1-1/4	1	1/2	8	2	19263 Screw
BBS-500/1500	1-1/2	1	1/2	8	2	19263 Screw
BBS-625/1250	1-1/4	1-1/8	5/8	8	2	19263 Screw
BBS-625/1500	1-1/2	1-1/8	5/8	8	2	19263 Screw
BBS-750/1250	1-1/4	1-1/8	3/4	8	2-1/2	19263 Screw
BBS-750/1500	1-1/2	1-1/8	3/4	8	2-1/2	19263 Screw

All Dimensions Are In Inches Unless Otherwise Noted.



EVEREDE® Lathe Boring Bars without adjusting screws are especially designed for Engine Lathes



EVEREDE® Production Boring Bars are especially designed for Turret Lathes, and incorporate an adjusting screw behind the tool bit for quicker, fine adjustments.

#### LATHE BARS

TOOL BIT SIZE	BAR DIAMETER	LENGTH	BAR PART NO.
5/32	1 1/32 x 2*	6	220
	3/8	7	225
	7/16	7 7/8	230
	1/2	8 1/4	235
	9/16	8 3/4	240
1/4	5/8	9 1/2	245
	3/4	10	250
	7/8	11	255
	1	12	265
5/16	1 1/8 *	15	270
	1 1/4 *	17	275
	1 3/8 *	19	280
	1 1/2 *	22	285

\*11/32 bar has 3/8" shank.  
\* Obsolete Items

#### PRODUCTION BARS

TOOL BIT SIZE	BAR DIAMETER	LENGTH	BAR PART NO.
7/64	5/16*	6	315
	3/8M*	6	325
5/32	7/16	6	330
	1/2	6	335
	9/16	6	340
1/4	5/8	8	345
	3/4	8	350
	7/8	8	355
	1	8	365
5/16	1 1/8 *	10	370
	1 1/4 *	10	375
	1 3/8 *	10	380
	1 1/2 *	10	385

\*5/16 AND 3/8M\* TOOL ANGLE Q OF BAR IS 75°  
ALL OTHER BARS ARE 80°

EVERY BAR INCLUDES ONE HSS BIT AND ONE ALLEN TYPE WRENCH; EXCEPT THE 7/64 BAR PROGRAM.

\* Obsolete Items

#### LATHE BAR SETS

SET NO.	BAR DIAMETERS INCLUDED	REFERENCE	
		BUSHING SET NO.	BORING BAR HOLDER NO.
200	1/32, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 7/8, 1	3300	3030
200-A	1/32, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 1	3300-A	3030
		3200-B	3020
200-B	1/32, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4	3300-A	3030
200-C	3/8, 1/2, 5/8, 3/4, 1	3300-C	3030
200-D	1/32, 7/16, 9/16, 5/8, 1	3300-D	3030
200-E	7/16, 9/16, 5/8, 1	3300-E	3030
		3200-F	3020
200-F	3/8, 1/2, 5/8, 3/4	3300-C	3030

#### PRODUCTION BAR SETS

SET NO.	BAR DIAMETERS INCLUDED	REFERENCE	
		BUSHING SET NO.	BORING BAR HOLDER NO.
300	5/16, 3/8M, 7/16, 1/2, 9/16, 5/8, 3/4, 7/8, 1	3300-G	3080
300-A	5/16, 3/8M, 7/16, 1/2, 9/16, 5/8, 3/4, 1	3300-H	3080
		3200-A	3070
300-B	5/16, 3/8M, 7/16, 1/2, 9/16, 5/8, 3/4	3300-H	3080
300-C	3/8M, 1/2, 9/16, 5/8, 3/4, 1	3300-J	3080
300-D	5/16, 7/16, 9/16, 5/8, 1	3300-K	3080
300-E	7/16, 9/16, 5/8, 1	3300-E	3080
		3200-F	3070
300-F	3/8M, 1/2, 5/8, 3/4	3300-C	3080

#### MIDGET BORING BAR SET

All Shank Dia. 3/8"



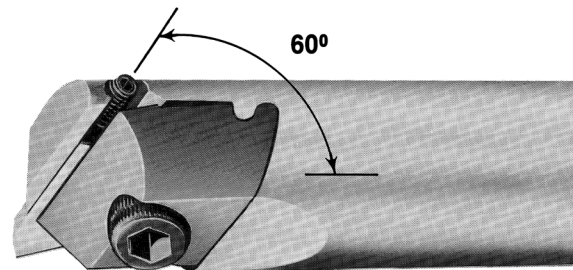
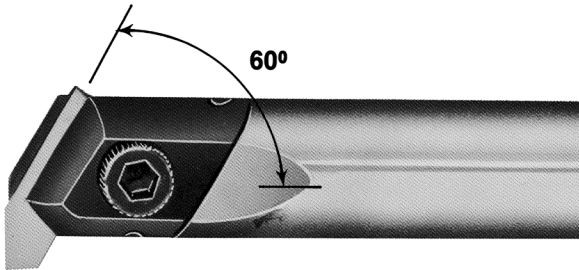
TOOL BIT SIZE	SET NO.	BAR DIA.	BAR LENGTH	OAL	BAR PART NO.
7/64	100	7/32	1 7/16	6	105
		17/64	1 5/8	6	110
		5/16	1 3/4	6	115
		3/8M	—	6	125

100 SET INCLUDES 9210 BOX

REF: TOOL ANGLE 75° TO Q OF BAR

USED EXTENSIVELY WITH BORING BAR HOLDER NO. 3010

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.



### Basically Designed for Boring to a Shoulder

EVEREDE® Lathe Boring Bars without adjusting screws are especially designed for Engine Lathes

EVEREDE® Production Boring Bars are especially designed for Turret Lathes, and incorporate an adjusting screw behind the tool bit for quicker, fine adjustments.

#### 30° LATHE BARS

TOOL BIT SIZE	BAR DIA.	BAR LENGTH	LATHE BAR PART NO.
5/32	3/8	7	1525
	7/16	7 5/8	1530
	1/2	8 1/4	1535
	9/16	8 3/4	1540
1/4	5/8	9 1/2	1545
	3/4	10	1550
	7/8	11	1555
5/16	1	12	1565
	1 1/8 *	15	1570
	1 1/4 *	17	1575
	1 3/8 *	19	1580
	1 1/2 *	22	1585

\* Obsolete Items

#### 30° PRODUCTION BARS

TOOL BIT SIZE	BAR DIA.	BAR LENGTH	PRODUCTION BAR PART NO.
7/64	3/8M	7	1625
5/32	7/16	7 5/8	1630
	1/2	8 1/4	1635
	9/16	8 3/4	1640
1/4	5/8	9 1/2	1645
	3/4	10	1650
	7/8	11	1655
5/16	1	12	1665
	1 1/8 *	15	1670
	1 1/4 *	17	1675
	1 3/8 *	19	1680
	1 1/2 *	22	1685

\* Obsolete Items

#### 30° LATHE & 30° PRODUCTION BAR SETS

LATHE SET NO.	BAR DIAMETERS INCLUDED	PROD. SET NO.	BAR DIAMETERS INCLUDED	REFERENCE	
				BUSHING SET NO.	BORING BAR HOLDER NO.
1500-A	3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 7/8, 1	1600-A*	3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 7/8, 1	3300	3030
1500-B	3/8, 7/16, 1/2, 9/16, 5/8, 3/4	1600-B*	3/8, 7/16, 1/2, 9/16, 5/8, 3/4	3200-B	3020
				3300-A	3030
1500-C	3/8, 1/2, 5/8, 3/4, 1	1600-C*	3/8, 1/2, 5/8, 3/4, 1	3300-C	3030
1500-D	3/8, 7/16, 9/16, 5/8, 1	1600-D*	3/8, 7/16, 9/16, 5/8, 1	3300-D	3030
1500-E	7/16, 9/16, 5/8, 1	1600-E*	7/16, 9/16, 5/8, 1	3300-E	3030
1500-F	3/8, 1/2, 5/8, 3/4	1600-F*	3/8, 1/2, 5/8, 3/4	3200-F	3020
				3300-C	3030

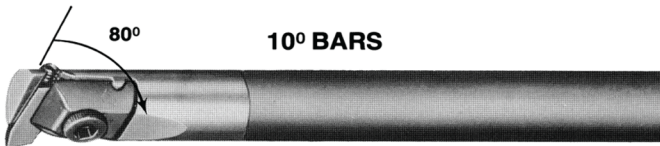
EVERY BAR INCL. ONE H.S.S BIT, ONE ALLEN TYPE WRENCH. REF: TOOL ANGLE 60° TO C OF BAR.



**ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.**

Boring bars with solid carbide shanks have a modulus of elasticity three times stiffer than a steel bar, eliminating taper in bored holes due to deflection of the boring bar.

Solid carbide bars permit boring deeper and truer holes, resulting in higher production with longer tool life, closer tolerances and better finishes.



Same as standard production boring bars (No. 300 series with adjustment screw) except with a solid carbide shank for use in boring deep holes where maximum rigidity is essential.

Same as standard production boring bars (No. 1600 series with adjustment screw) except with a solid carbide shank used basically in boring to a shoulder.

TOOL BIT SIZE	BAR DIA	STANDARD LENGTH	BAR PART NO. 10° BAR**	BAR PART NO. 30° BAR***	LONG LENGTH	BAR PART NO. 10° BAR**	BAR PART NO. 30° BAR***
7/64	1/4*	6	1808	1608C	8	1808L	1608CL
	5/16	6	1815	1615C	8	1815L	1615CL
	3/8 Midget	6	1825	1625C	8	1825L	1625CL
5/32	7/16	6	1830	1630C	8	1830L	1630CL
	1/2	6	1835	1635C	8	1835L	1635CL
	9/16	6	1840	1640C	8	1840L	1640CL
1/4	5/8	8	1845	1645C	11	1845L	1645CL
	3/4	8	1850	1650C	11	1850L	1650CL
	7/8	8	1855	1655C	11	1855L	1655CL
	1	8	1865	1665C	11	1865L	1665CL
5/16	1 1/8 *	10	1870	1670C	14	1870L	1670CL
	1 1/4 *	10	1875	1675C	14	1875L	1675CL
	1 3/8 *	10	1880	1680C	14	1880L	1680CL
	1 1/2 *	10	1885	1685C	14	1885L	1685CL

\* 1/4 Bar does not have adjusting screw.

\*\* REF: Tool Angle 80° to C of Bar

\*\*\* REF: Tool Angle 60° to C of Bar

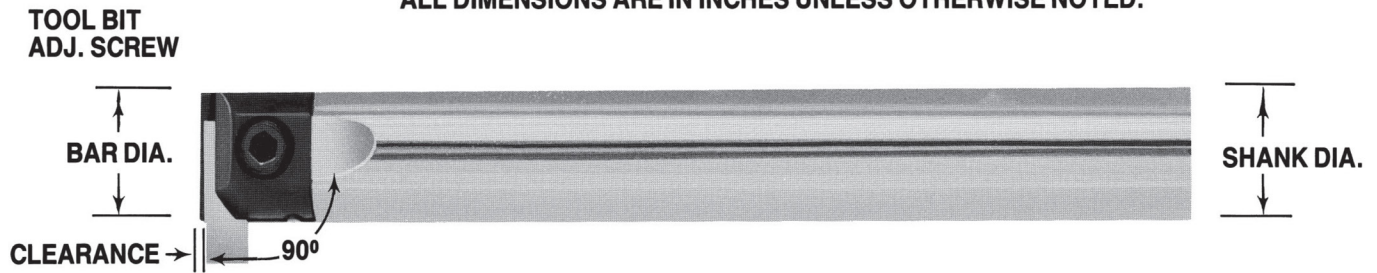
\* Obsolete Items

**NOTE:**




- Special diameters and lengths available.
- Can be furnished in heavy metal (high density tungsten alloy)



ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.



**FOR: YOUR INSIDE DIAMETER GROOVING NEEDS O-RINGS — SNAP RINGS — WIRE RINGS — SQUARE GROOVES — RADIUS GROOVES — SPECIAL MULTI-STEP GROOVES**

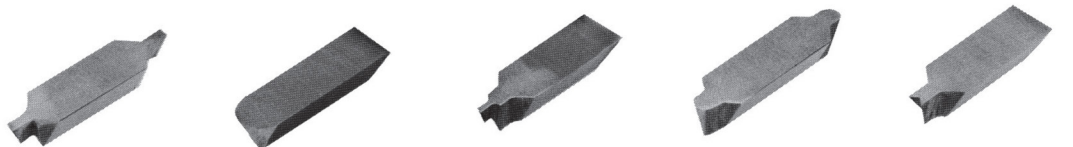
TOOL BIT SIZE	BAR NUMBER	SHANK DIA.	BAR DIA.	BAR LENGTH	OVERALL LENGTH	CLEAR-ANCE	TOOL BIT ADJ. SCR.	TOOL BITS			
								H.S. STEEL		CARBIDE	
								NUMBER	LENGTH	NUMBER	LENGTH
	1305	3/8	7/32	17/16	6	3/32	NO	20005*	5/16	25020	7/16
	1310	3/8	17/64	15/8	6	3/32	NO	20010*	3/8	25020	7/16
	1315	3/8	5/16	13/4	6	3/32	NO	20015*	7/16	25020	7/16
	1325M	3/8	3/8	—	6	3/32	NO	20020*	17/32	25020	7/16
	1330	7/16	7/16	—	8	1/8	NO	20105	17/32	25110	1/2
	1335	1/2	1/2	—	8	1/8	NO	20110	19/32	25110	1/2
	1340	9/16	9/16	—	8	1/8	YES	20115	11/16	25120	5/8
	1345M	5/8	5/8	—	10	1/8	YES	20120	3/4	25120	5/8
	1350	3/4	3/4	—	10	11/64	YES	20205*	13/16	25205	3/4
	1355	7/8	7/8	—	10	11/64	YES	20210*	31/32	25210	7/8
	1365	1	1	—	10	11/64	YES	20215*	19/32	25215	11/8

\* Obsolete Items

**TOOL BIT SPECIALS:  
SEND US YOUR REQUIREMENTS**

ADD 'C' TO PART NO. FOR CARBIDE SHANK.  
EXAMPLE: 1335C

**PRICES & DELIVERY FURNISHED ON REQUEST**



**SNAP RING**

**RAD. GROOVE**

**STEP GROOVE**

**O-RING & CHAMF.**

**DOVETAIL**

**SINGLE or DOUBLE END:  
TYPICAL TOOL BIT SHAPES THAT CAN BE FURNISHED**



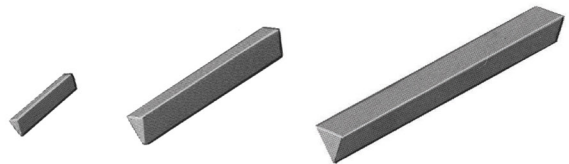
**ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.**

- UNSHARPENED FOR ALL BARS
- SHARPENED 60° THREADING BITS FOR 10° & 15° STANDARD BARS
- UNSHARPENED TOOL BITS (LONG LENGTH)
- THROWAWAY FOR ALL BARS
- SHARPENED FOR 30° BARS

Only 5 different sizes for bars 7/32" to 3". Unsharpened bits can be square shoulder ground or lead angle ground depending upon job and clearances required. Long length resharpening to provide versatility for different tool geometry to suit material to be cut. All items are stocked.

TOOL BIT SIZE	FOR BORING BAR DIAMETERS	LATHE BARS				PRODUCTION BARS			
		HIGH SPEED STEEL		SOLID CARBIDE*		HIGH SPEED STEEL		SOLID CARBIDE*	
		LENGTH	TOOL BIT PART NO.	LENGTH	TOOL BIT PART NO.	LENGTH	TOOL BIT PART NO.	LENGTH	TOOL BIT PART NO.
	7/32	5/16	20005 *	7/16	25020	—	—	—	—
	17/64	3/8	20010 *	7/16	25020	—	—	—	—
	5/16	7/16	20015 *	7/16	25020	3/8	20010	7/16	25020
	3/8 Midget	17/32	20020 *	7/16	25020	7/16	20015	7/16	25020
	11/32 & 3/8	17/32	20105	1/2	25110	—	—	—	—
	7/16	19/32	20110	1/2	25110	17/32	20105	1/2	25110
	1/2	11/16	20115	5/8	25120	19/32	20110	5/8	25120
	9/16	3/4	20120	5/8	25120	11/16	20115	5/8	25120
	435 Bar	3/4	20120	5/8	25120	—	—	—	—
	Jig Ext. Bar Lathe Ext. Bar	3 5	20180 20190	— —	— —	— —	— —	— —	— —
	5/8	13/16	20205 *	3/4	25205	13/16	20205	3/4	25205
	3/4	31/32	20210 *	7/8	25210	13/16	20205	7/8	25210
	7/8	19/32	20215 *	1 1/8	25215	31/32	20210	7/8	25210
	15/16	19/32	20215 *	1 1/8	25215	—	—	—	—
	1	19/32	20215 *	1 1/8	25215	19/32	20215	1 1/8	25215
	1 1/8	1 1/2	20305	1 1/4	25305	1 1/2	20305	1 3/8	25310
	1 1/4	1 5/8	20310	1 3/8	25310	1 1/2	20305	1 3/8	25310
	1 3/8	1 3/4	20315	1 3/8	25310	1 5/8	20310	1 3/8	25310
	1 1/2	1 7/8	20320	1 3/4	25320	1 3/4	20315	1 3/4	25320
	1 3/4	2 1/4	20430	2	25427				
	460 Bar	2 1/4	20430	2	25427				
	475 Bar	3	20445	3	25447				

\* Obsolete Items

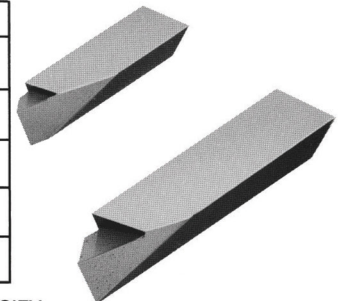


**PLEASE ORDER BY TOOL BIT NUMBER**

- SHARPENED 60° THREADING BITS FOR 10° - 15° STANDARD BARS

TOOL BIT SIZE	FOR BORING BAR DIAMETERS	HIGH SPEED STEEL		SOLID CARBIDE*	
		LENGTH	TOOL BIT PART NO.	LENGTH	TOOL BIT PART NO.
	7/32 Thru 3/8 Midget	1/2	20021	7/16	25021
	11/32 Thru 9/16	9/16	20111	1/2	25111
	5/8 Thru 1	15/16	20211	7/8	25211
	1 1/8 Thru 1 1/2	1 1/2	20306	1 1/4	25306

\* SOLID CARBIDE BITS AVAILABLE IN APPLICATION CLASS C-2, C-4, C-6 AND C-8 — PLEASE SPECIFY CLASS REQUIRED OR MATERIAL TO BE CUT.



ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

• **EVEREDE® THROW-AWAY INSERTS . . .**

**Increase range of boring bar diameters.** Only EVEREDE® offers throw-away inserts for use in boring bars from 7/32" to 1 1/2" diameter inclusive.

**Reduce insert inventory.** Just 4 sizes are necessary to provide cutting edges for all boring bar diameters in this 7/32" to 1 1/2" range.

**Receive larger quantity discounts.** Since less insert sizes are required, you can combine many small orders for various bars into fewer — but larger — orders.

**Achieve greater versatility.** Only EVEREDE® offers 4 different sizes of nose radii for each of 4 different sizes of throw-away inserts — at no extra cost.

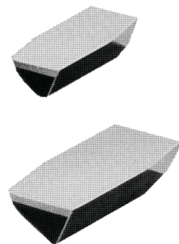
**Increase productivity.** Now you can economically bore at high-velocity speeds. Both ends of the tool bits are pre-sharpened.

**Use heavy cuts and fast feeds.** Our unique boring bar — throw-away insert combination provides the same chip clearance possible with a regrindable insert.

**Get immediate delivery.** All EVEREDE® inserts are available from stock in the various application classes and every size.

**PRE-SHARPENED THROW-AWAY CARBIDE**

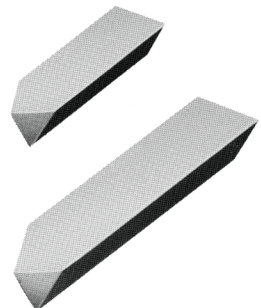
TOOL BIT SIZE	FOR BORING BAR DIAMETERS	10° & 15° BAR TOOL BIT LENGTH	10° & 15° BAR TOOL BIT PART NO.
7/64 ▼	7/32, 17/64, 5/16, & 3/8 M	1/4	<b>25005</b>
5/32 ▼	11/32, 3/8, 7/16, 1/2, & 9/16	5/16	<b>25115</b>
1/4 * ▼	5/8, 3/4, 7/8, 15/16, & 1	1/2	<b>25235</b>
5/16 * ▼	1 1/8, 1 1/4, 1 3/8, & 1 1/2	9/16	<b>25345</b>



Nose Radii: .005, .010, .020, .030 Application Classes: C-2, C-4, C-6, C-8  
 When Ordering: Please specify Part no., Nose Radii, and Application Class desired.  
 Example: 25005 — 10 — C-6  
 \* Available While Supplies Last

• **SHARPENED TOOL BITS FOR 30° BARS**  
**Preformed Triangular H.S.S. or Solid Carbide FROM STOCK**

TOOL BIT SIZE	FOR BORING BAR DIAMETERS	HIGH SPEED STEEL		SOLID CARBIDE*	
		LENGTH	TOOL BIT PART NO.	LENGTH	TOOL BIT PART NO.
7/64 ▼	7/32, 17/64, 5/16, 3/8 M	3/8	<b>20012</b>	15/32	<b>25012</b>
5/32 ▼	3/8, 7/16, 1/2 & 9/16 DIA.	9/16	<b>20112</b>	15/32	<b>25112</b>
1/4 ▼	5/8, 3/4, 7/8 & 1 DIA.	15/16	<b>20212</b>	7/8	<b>25212</b>
5/16 ▼	1 1/8, 1 1/4, 1 3/8 & 1 1/2 DIA.	1 1/16	<b>20312</b>	1 3/8	<b>25312</b>



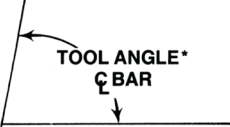
\*SOLID CARBIDE BITS AVAILABLE IN APPLICATION CLASS C-2, C-4, C-6 AND C-8 — PLEASE SPECIFY CLASS REQUIRED OR MATERIAL TO BE CUT.

**PLEASE ORDER BY TOOL BIT NUMBER**

**EVEREDE® Tungsten Carbide Grade Selection Chart**

To Machine: Cast Iron • Aluminum • Brass • Graphite • Kevlar • Other Composite Material or Non-Ferrous Metals • Austenitic Stainless Steel (Type 300 & 200B-3 - Non Magnetic)	To Machine: Steel & Steel Alloys or Other Ferrous Metals Ferritic & Martensitic Stainless Steel (Type 400 - Magnetic)
GRADE <b>C2</b> ← GENERAL PURPOSE — TOUGHNESS — PRECISION BORING — WEAR — GRADE <b>C4</b>	GRADE <b>C6</b> ← GENERAL PURPOSE — TOUGHNESS — PRECISION BORING — WEAR — GRADE <b>C8</b>

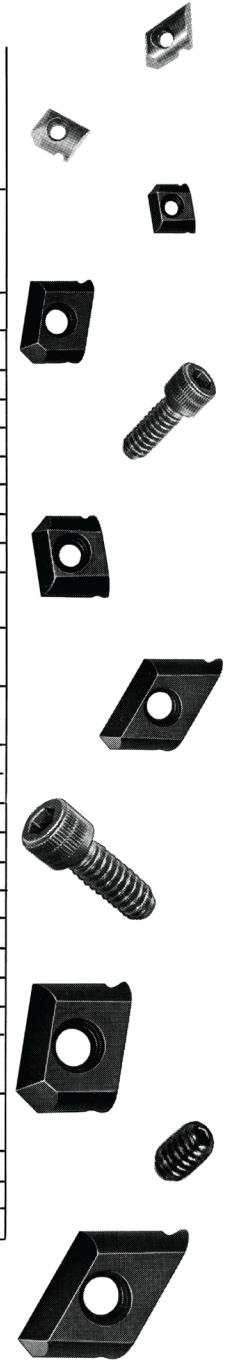
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.



BORING BAR DIAMETER	CAPS OR CLAMPS FOR MIDGET & 10° & 15° BARS			CAPS OR CLAMPS FOR 30° BARS		CAPS OR CLAMPS FOR 90° BARS		SOC. HD. CAP SCR. OR CLAMP SCREW		FOR PRODUCTION TYPE BARS ONLY	
	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.
7/32	2005	2105	2205	19002	—						
17/64	2010	2110	2210	19004	—						
5/16	2015	2115	2215	19004	19210						
3/8M	2026	2126	2226	19005	19210						
11/32	2020	—	—	19005	—						
3/8	2025	2125	—	19005	—						
7/16	2030	2130	2230	19005	19210						
1/2	2035	2135	2235	19006	19210						
9/16 Dia. & #1100 SET OFFSET BAR	2040	2140	2240	19142	19210						
JIG EXTENSION BAR	—	—	—	—	19242						
LATHE EXTENSION BAR	—	—	—	—	19242						
5/8	2045	2145	2245M	19151	19240						
3/4	2050	2150	2250	19153	19240						
7/8	2055	2155	2255	19164	19240						
15/16	2060	—	—	19164	—						
1	2065	2165	2265	19164	19240						
1 1/8	2070	2170	—	19172	19251						
1 1/4	2075	2175	—	19172	19251						
1 3/8	2080	2180	—	19172	19251						
1 1/2	2085	2185	—	19172	19251						
1 3/4	2087	—	—	19172 (2)	—						
#1400 SET OFFSET BAR	2071	—	—	19172 (1)	—						
#1200 SET OFFSET BAR	2087	—	—	19172 (1)	—						
2 & 2 1/4	2087	—	—	19172 (2)	—						
2 1/2	2087	—	—	19172 (2)	—						
3 & OVER	2087	—	—	19172 (2)	—						

**\* TOOL ANGLE REFERENCE:**

MIDGET BARS (7/32) Dia. thru 3/8M — Clamp Bit at 75° to  $\angle$  of Bar  
 10° & 15° BARS (Lathe, Offset, Jig and Prod.) — Clamp Bit at 80° to  $\angle$  of Bar  
 30° BARS (Lathe and Jig) — Clamp Bit at 60° to  $\angle$  of Bar  
 90° BARS — Clamp Bit at 90° to  $\angle$  of Bar





**Series RSF**

BODY DIAMETER  
0.25" TO 1.25"

PILOTS DIAMETER  
0.094" TO 0.500"



**REVERSE SPOT FACERS (Series RSF)**

BODIES		
Part #	Diameter	Pilot Hole
RSF-250-094	1/4	3/32
RSF-250-125	1/4	1/8
RSF-312-094	5/16	3/32
RSF-312-125	5/16	1/8
RSF-312-156	5/16	5/32
RSF-375-125	3/8	1/8
RSF-375-156	3/8	5/32
RSF-375-188	3/8	3/16
RSF-437-125	7/16	1/8
RSF-437-156	7/16	5/32
RSF-437-188	7/16	3/16
RSF-500-188	1/2	3/16
RSF-500-250	1/2	1/4
RSF-562-188	9/16	3/16
RSF-562-250	9/16	1/4
RSF-625-188	5/8	3/16
RSF-625-250	5/8	1/4
RSF-625-312	5/8	5/16
RSF-687-250	11/16	1/4
RSF-687-312	11/16	5/16
RSF-750-250	3/4	1/4
RSF-750-312	3/4	5/16
RSF-750-375	3/4	3/8
RSF-875-312	7/8	5/16
RSF-875-375	7/8	3/8
RSF-1.000-312	1	5/16
RSF-1.000-375	1	3/8
RSF-1.000-500	1	1/2
RSF-1.250-375	1 1/4	3/8
RSF-1.250-500	1 1/4	1/2

PILOTS	
Part #	Pilot Dia
PB-094-6	3/32
PB-125-6	1/8
PB-156-6	5/32
PB-187-6	3/16
PB-250-6	1/4
PB-312-6	5/16
PB-375-6	3/8
PB-500-6	1/2

Ordering Information

**RSF- 375 - 125**

Reverse Spot Facer	Body Diameter	Pilot Hole
-----------------------	------------------	---------------

- Made from HSS
- Standard Radius .030"
- Specials and other radii available upon request
- Pilots are 6" OAL, other sizes available upon request

Specials and other radii available upon request					Other Pilot sizes available upon request
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