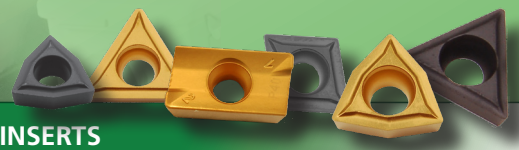
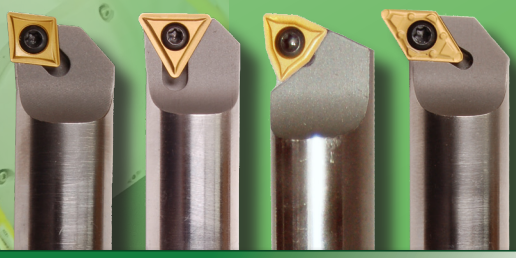
EVEREDE TOOL COMPANY

MADE IN USA



INSERTS



ANSI BORING BARS

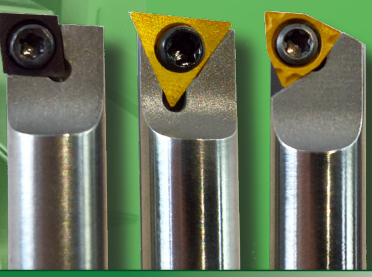
Custom Tooling











SMALL BORING BARS



ROTATING TOOLS

2024

EVEREDE TOOL COMPANY

MADE IN USA

Leader In Small Indexable Boring Tools
Quick Turn Around On Custom Indexable Tooling
Made In The U.S.A

Nine9®

Everede Tool Company has been the exclusive U.S.A. representative since 2002.



Dümmel®
Premium Carbide Cutting Tools

Everede Tool Company has been the exclusive U.S.A. representative since 2014.



- Indexable Spot, Engraving, Drilling, And Boring Tools
- World's Largest Selection Of Indexable Spotting,Corner Rounding & Engraving Tools
- Unique Indexable Tools For Centering & Helical Milling
- Replaces Solid H.S.S & Carbide Tools With Nine9's Indexable Tooling Systems

- Grooving, boring and profiling starting at Ø 0.2mm
- Precision Indexable Carbide Tools for Micro Boring,Milling, Broaching,Grooving &Threading
- Compatibility with Other Manufacturers Systems
- Specials Available Upon Request













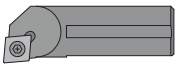
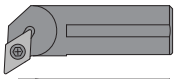
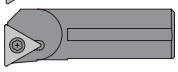
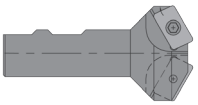
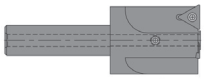
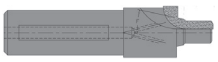
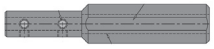




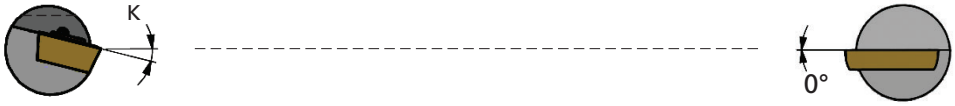


THREE UNIQUE BRANDS AVAILABLE FROM EVEREDE TOOL COMPANY

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RADIAL RAKE ANGLE



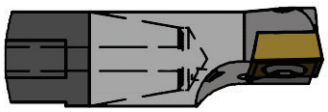
BARS WITH FLATS
ANSI & E-H Series

- Bars require a flat for accurate insert center height positioning.
- Minimum insert clearance angles resulting in a stronger cutting edge.
- Can use thicker inserts providing for heavier depth of cuts and increased feed rates.
- Increases radial cutting forces.

EVEREDE SERIES A-D

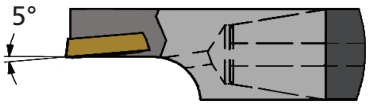
- Bars DO NOT require a flat for insert center height positioning.
- 15° & 11° insert clearance angles eliminate need for K angles.
- Inserts are typically thinner.
- Minimal insert offset (F dim.) for smaller Min. bore requirements.
- Decreased Radial Force.

AXIAL RAKE ANGLE



NEUTRAL AXIAL
Bars with "K" angles

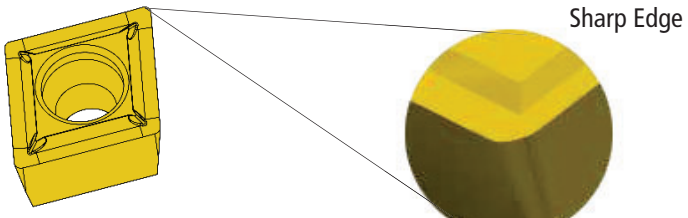
- Increased Tangential Force.



POSITIVE AXIAL
Series A - D

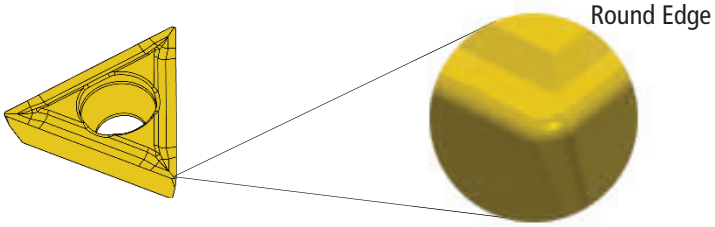
- Improves chip breaking.
- Minimizes tangential cutting forces allowing for deeper Diameter to Length boring depths.
- Decreased Tangential Force.

INSERTS: GROUND vs MOLDED / HONED



GROUND

- More precise tolerances provide for better indexability.
- Better surface finish.
- Reduces cutting forces.
- Preferred in high temperature alloy machining.
- All Everede turning inserts are ground.



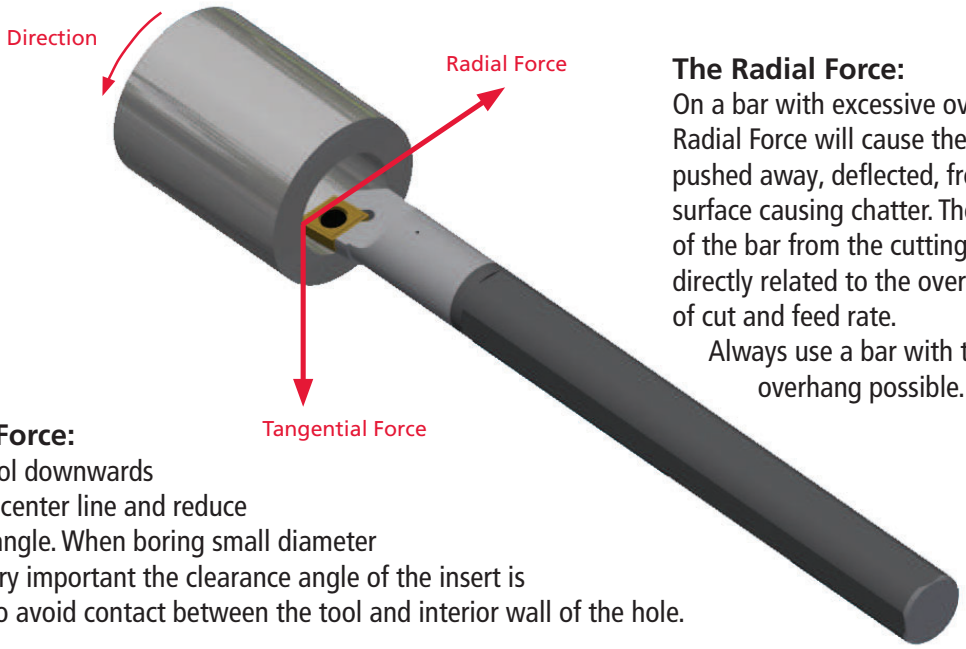
MOULDED / HONED

- Preferred for roughing and semi-roughing applications in ferrous material.
- Less expensive than ground inserts.
- Stronger edge strength.
- Increases cutting forces.
- Everede CV6 grade is slightly honed.

CUTTING FORCES

Cutting Forces During Boring Operations

When the tool is cutting, the Tangential and Radial cutting forces will cause the tool to be pushed downward and deflect away from the workpiece.

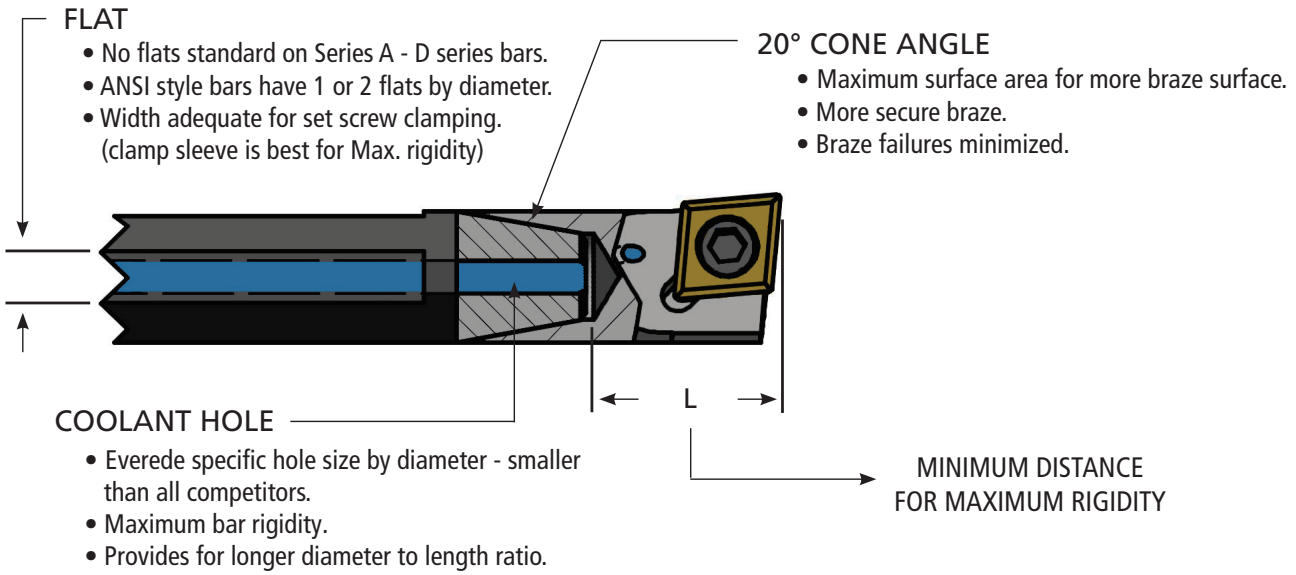


The Radial Force:
On a bar with excessive overhang, the Radial Force will cause the insert to be pushed away, deflected, from the cutting surface causing chatter. The deflection of the bar from the cutting surface is directly related to the overhang, depth of cut and feed rate.

Always use a bar with the shortest overhang possible.

The Tangential Force:
Will displace the tool downwards and away from the center line and reduce the tool clearance angle. When boring small diameter holes, it is particulary important the clearance angle of the insert is sufficient in order to avoid contact between the tool and interior wall of the hole.

CONSTRUCTION BENEFITS

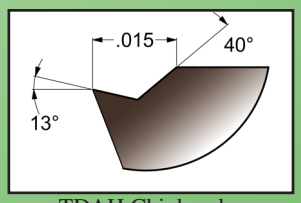


HPS2 Insert Expansion For Aerospace and Medical

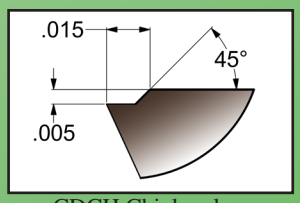
AF Chip Groove Benefits:

· Optimized groove geometry reduces cutting forces while maintaining strong edge strength

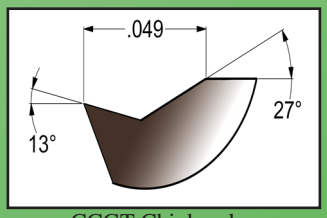
Chip Breaker Information



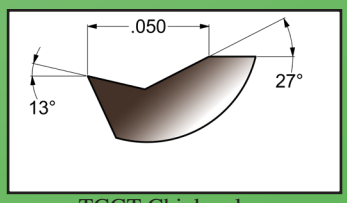
TDAH Chipbreaker



CDCH Chipbreaker



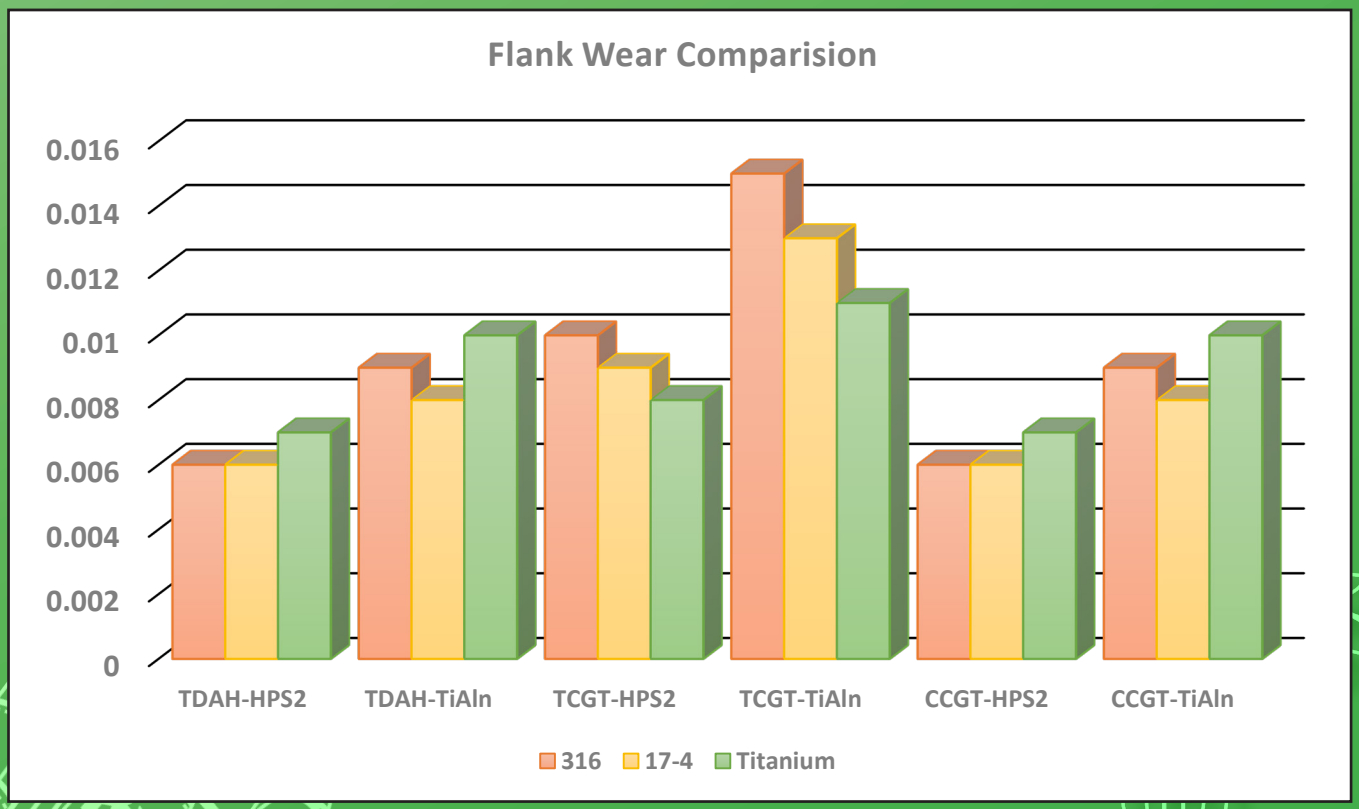
CCGT Chipbreaker



TCGT Chipbreaker

>>> HPS2 Coating Benefits:

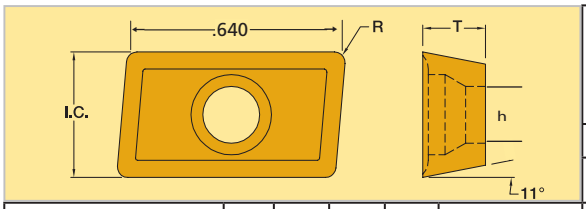
· Superior surface smoothness to prevent built up edge
· Excellent coating adhesion for consistent predictable tool life
· Very high thermal stability with operating temperature up to 1,100° C
· HiPIMS TiAlSiN coating utilizing latest technology



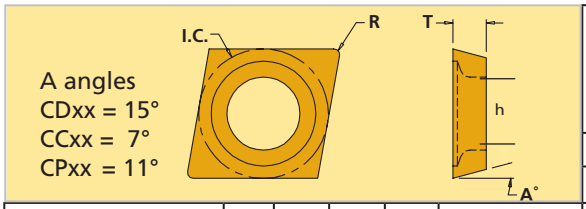
Improved Geometry & Coating

"Small Is What We Do"
Indexable Starting At .180"

MADE IN USA



EVEREDE PART NO.	IC	T	R	h	ANSI CODE	HPS2	CV7	CVM2	TL120	CV6	MC32	CS7	CS6	CM2	CS2	MU12	CT7	PCD	CBN	Holder Series
						EVEREDE GRADES														
						COATED GRADES						UNCOATED GRADES					CERMET	TIPPED		
							PVD			CVD										
APLT-347	.375	.187	.015	.173	APKT 160404			▼	▼	▼			▼		▼					CHM



A angles
CDxx = 15°
CCxx = 7°
CPxx = 11°

EVEREDE PART NO.	IC	T	R	h	ANSI CODE	HPS2	CV7	CVM2	TL120	CV6	MC32	CS7	CS6	CM2	CS2	MU12	CT7	PCD	CBN	Holder Series
						EVEREDE GRADES														
						COATED GRADES						UNCOATED GRADES					CERMET	AM		
							PVD			CVD										
CCGT 21.50 - AF	.250	.094	.002	.110	CCGT 21.50-AF	▼														CB PC ANSI
CCGT 21.505 - AF	.250	.094	.008	.110	CCGT 21.505-AF	▼														
CCGT-21.51	.250	.094	.015	.110	CCGT 21.51				▼	▼			▼			▼				
CCGT 21.51 - AF	.250	.094	.015	.110	CCGT 21.51-AF	▼														
CCGT-32.51	.375	.156	.015	.173	CCGT 32.51				▼	▼			▼			▼				
CDCC-07L	.156	.040	.007	.088	CDHH 120605L		▼	▼	▼		▼	▼		▼	▼	▼	▼			A FL ANSI
CDCC-07R	.156	.040	.007	.088	CDHH 120605R		▼	▼	▼		▼	▼		▼	▼	▼	▼			
CDCC-15L	.156	.040	.015	.088	CDHH 12061L		▼	▼	▼		▼	▼		▼	▼	▼	▼			
CDCC-15R	.156	.040	.015	.088	CDHH 12061R		▼	▼	▼		▼	▼		▼	▼	▼	▼			

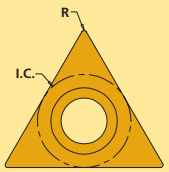
GROUND CHIPBREAKER

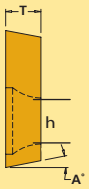
Note: Use left hand ground chipbreaker insert with right hand boring bars. Use right hand ground chipbreaker insert with left hand boring bars.

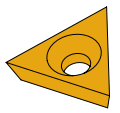
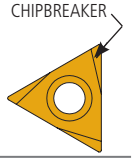
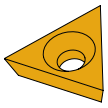
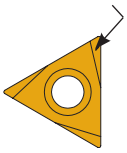
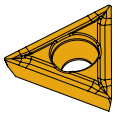
CDCD-02	.156	.040	.002	.088	CDHB 1206X0		▼	▼	▼		▼	▼		▼	▼	▼	▼	▼	▼	A FL ANSI
CDCD-07	.156	.040	.007	.088	CDHB 120605		▼	▼	▼		▼	▼		▼	▼	▼	▼	▼	▼	
CDCD-15	.156	.040	.015	.088	CDHB 12061		▼	▼	▼		▼	▼		▼	▼	▼	▼	▼	▼	
CDCH-02	.156	.040	.002	.088	CDCH 02	▼			▼											ANSI
CDCH-07	.156	.040	.007	.088	CDHH 120605	▼			▼	▼	▼		▼			▼				
CDCH-15	.156	.040	.015	.088	CDHH 12061	▼			▼	▼	▼		▼			▼				
CPGT 21.50 - AF	.250	.094	.002	.110	CPGT 21.50-AF	▼														C FL CB IND RCH PC ANSI
CPGT 21.505 - AF	.250	.094	.008	.110	CPGT 21.505-AF	▼														
CPGT-21.51	.250	.094	.015	.110	CPGT 21.51				▼	▼			▼			▼				
CPGT 21.51 - AF	.250	.094	015	.110	CPGT 21.51-AF	▼														
CPGT-32.51	.375	.156	.015	.173	CPGT 32.51				▼	▼			▼			▼				
DCGT-21.51	.250	.094	.015	.110	DCGT 21.51				▼	▼			▼			▼				ANSI
DCGT-32.51	.375	.156	.015	.173	DCGT 32.51				▼	▼			▼			▼				

Insert ordering Example: APLT-347-TL120. See page 11 for insert grade overview.
Ask about our specials and existing inventory of bars *not* featured in our catalogs.

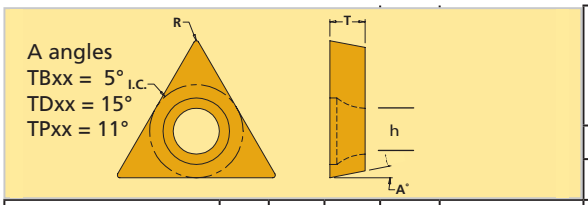
A angles
TBxx = 5°
TDxx = 15°
TPxx = 11°

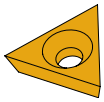
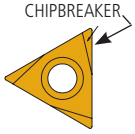
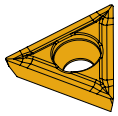




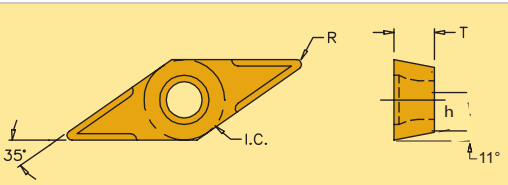
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	TCGT 21.50 - AF	.250	.094	.002	.110	TCGT 21.50-AF	▼														
	TCGT 21.505 - AF	.250	.094	.008	.110	TCGT 21.505-AF	▼														
	TCGT-21.51	.250	.094	.015	.110	TCGT 21.51				▼	▼			▼			▼				ANSI
	TCGT 21.51 - AF	.250	.094	.015	.110	TCGT 21.51-AF	▼														
	TCGT-32.51	.375	.156	.015	.173	TCGT 32.51				▼	▼			▼			▼				
	TDAB-02	.160	.047	.002	.094	TDHB 1308X0		▼	▼	▼		▼	▼		▼	▼	▼	▼	▼	▼	
	TDAB-07	.160	.047	.007	.094	TDHB 130805		▼	▼	▼		▼	▼		▼	▼	▼	▼	▼	▼	B RCH FL ANSI
	TDAB-15	.160	.047	.015	.094	TDHB 13081		▼	▼	▼		▼	▼		▼	▼	▼	▼	▼	▼	
	TDAB-31	.160	.047	.031	.094	TDHB 13082		▼	▼				▼		▼	▼		▼			
GROUND CHIPBREAKER 	TDAC-07L	.160	.047	.007	.094	TDHH 130805L		▼	▼	▼		▼	▼		▼	▼	▼	▼			
	TDAC-07R	.160	.047	.007	.094	TDHH 130805R		▼	▼	▼		▼	▼		▼	▼	▼	▼			B RCH FL ANSI
	TDAC-15L	.160	.047	.015	.094	TDHH 13081L		▼	▼	▼		▼	▼		▼	▼	▼	▼			
	TDAC-15R	.160	.047	.015	.094	TDHH 13081R		▼	▼	▼		▼	▼		▼	▼	▼	▼			
	TDAH 02 - AF	.160	.047	.002	.094	TDHB 1308X0	▼														
	TDAH 07 - AF	.160	.047	.008	.094	TDHB 130805	▼														B RCH FL ANSI
	TDAH 15 - AF	.160	.047	.015	.094	TDHB 13081	▼														
	TPGB-202	.250	.094	.002	.115	TPGB 21.50			▼		▼			▼		▼					
	TPGB-207	.250	.094	.007	.115	TPGB 21.50.5			▼	▼	▼	▼		▼	▼	▼	▼		▼	▼	C FL RCH
	TPGB-215	.250	.094	.015	.115	TPGB 21.51			▼	▼	▼	▼		▼	▼	▼	▼		▼	▼	
	TPGB-231	.250	.094	.031	.115	TPGB 21.52			▼	▼	▼	▼		▼	▼	▼	▼				
GROUND CHIPBREAKER 	TPGC-207L	.250	.094	.007	.115	TPGH 21.50.5L			▼	▼	▼	▼		▼	▼	▼	▼				
	TPGC-207R	.250	.094	.007	.115	TPGH 21.50.5R			▼	▼	▼	▼		▼	▼	▼	▼				C FL RCH
	TPGC-215L	.250	.094	.015	.115	TPGH 21.51L			▼	▼	▼	▼		▼	▼	▼	▼				
	TPGC-215R	.250	.094	.015	.115	TPGH 21.51R			▼	▼	▼	▼		▼	▼	▼	▼				
	TPGH-202	.250	.094	.002	.123	TPGH 21.50					▼			▼		▼					
	TPGH-207	.250	.094	.007	.123	TPGH 21.50.5			▼	▼	▼	▼		▼	▼	▼	▼				C FL CB IND RCH PC ANSI
	TPGH-215	.250	.094	.015	.123	TPGH 21.51			▼	▼	▼	▼		▼	▼	▼	▼				
	TPGH-231	.250	.094	.031	.123	TPGH 21.52			▼	▼	▼	▼		▼	▼	▼	▼	o			

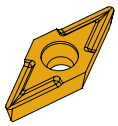
Note: Use left hand ground chipbreaker insert with right hand boring bars. Use right hand ground chipbreaker insert with left hand boring bars.



	EVEREDE PART NO.	IC	T	R	h	ANSI CODE	EVEREDE GRADES: COATED GRADES – PVD: HPS2	PVD: CV7	PVD: CVM2	PVD: TL120	CVD: CV6	CVD: MC32	UNCOATED GRADES: CS7	CS6	CM2	CS2	MU12	CERMET: CT7	TIPPED: PCD	TIPPED: CBN	Holder Series
	TPGB-307	.375	.125	.007	.150	TPGB 320.5			▼	▼	▼	▼		▼	▼	▼	▼		▼	▼	D FL RCH
	TPGB-315	.375	.125	.015	.150	TPGB 321			▼	▼	▼	▼		▼	▼	▼	▼		▼	▼	
	TPGB-331	.375	.125	.031	.150	TPGB 322			▼	▼	▼	▼		▼	▼	▼	▼		▼	▼	
GROUND CHIPBREAKER 	TPGC-307L	.375	.125	.007	.150	TPGH 320.5L			▼	▼	▼	▼		▼	▼	▼	▼				D FL
	TPGC-307R	.375	.125	.007	.150	TPGH 320.5R			▼	▼	▼	▼		▼	▼	▼	▼				
	TPGC-315L	.375	.125	.015	.150	TPGH 321L			▼	▼	▼	▼		▼	▼	▼	▼				
	TPGC-315R	.375	.125	.015	.150	TPGH 321R			▼	▼	▼	▼		▼	▼	▼	▼				
	TPGH-307	.375	.125	.007	.173	TPGH 320.5												o			D FL PC RCH
	TPGH-315	.375	.125	.015	.173	TPGH 321			▼	▼	▼	▼		▼	▼	▼	▼	o			
	TPGH-331	.375	.125	.031	.173	TPGH 322			▼	▼	▼	▼		▼	▼	▼	▼				
	TPGT 21.50 - AF	.250	.094	.002	.110	TPGT 21.50-AF	▼														ANSI
	TPGT 21.505 - AF	.250	.094	.008	.110	TPGT 21.505-AF	▼														
	TPGT 21.51 - AF	.250	.094	.015	.110	TPGT 21.51-AF	▼														
	TPGT-32.51	.375	.156	.015	.173	TPGT 32.51				▼	▼			▼			▼				ANSI

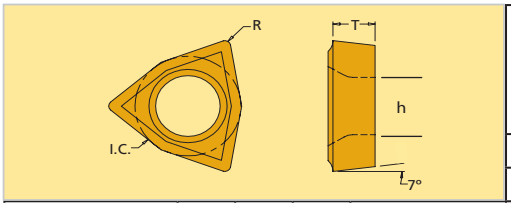
Note: Use left hand ground chipbreaker insert with right hand boring bars. Use right hand ground chipbreaker insert with left hand boring bars.

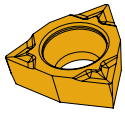
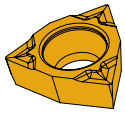
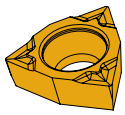
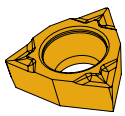


	EVEREDE PART NO.	IC	T	R	h	ANSI CODE	EVEREDE GRADES: COATED GRADES – PVD: HPS2	PVD: CV7	PVD: CVM2	PVD: TL120	CVD: CV6	CVD: MC32	UNCOATED GRADES: CS7	CS6	CM2	CS2	MU12	CERMET: CT7	TIPPED: PCD	TIPPED: CBN	Holder Series
	VPGT-207	.250	.125	.007	.110	VPGT 220.5			▼	▼	▼			▼	▼	▼					PB
	VPGT-215	.250	.125	.015	.110	VPGT 221			▼	▼	▼	▼		▼	▼	▼	▼				
 Left hand shown.	VPGT-202L	.250	.125	.002	.110	VPGH 220X0L			o	o	o			o	o	o	o				PB
	VPGT-202R	.250	.125	.002	.110	VPGH 220X0L					o			o		o	o				
	VPGT-207L	.250	.125	.007	.110	VPGH 220.5L			o	o	o			o							
	VPGT-207R	.250	.125	.007	.110	VPGH 220.5R			o	o	o			o	o	o	o				
	VPGT-215L	.250	.125	.015	.110	VPGH 221L			o		o			o	o						
	VPGT-215R	.250	.125	.015	.110	VPGH 221R			o	o	o			o	o		o				

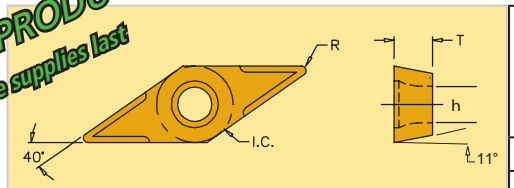
Insert ordering Example: TPGB-307-CVM2. See page 11 for insert grade overview.
Ask about our specials and existing inventory of bars *not* featured in our catalogs.

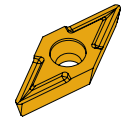
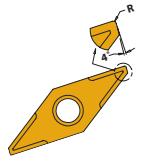
o = outgoing item



	EVEREDE PART NO.	IC	T	R	ANSI CODE	EVEREDE GRADES: COATED GRADES PVD CV7	COATED GRADES PVD CVM2	COATED GRADES PVD TL120	COATED GRADES CVD CV6	COATED GRADES CVD MC32	UNCOATED GRADES CS7	UNCOATED GRADES CS6	UNCOATED GRADES CM2	UNCOATED GRADES CS2	UNCOATED GRADES MU12	CERMET CT7	TIPPED PCD	TIPPED CBN	Holder Series
	WCGT-002	.156	.062	.002	WCGT 1.21V5		▼	▼	▼	▼		▼		▼	▼				E FL ANSI
	WCGT-008	.156	.062	.008	WCGT 1.210.5		▼	▼	▼	▼		▼		▼	▼				
	WCGT-015	.156	.062	.015	WCGT 1.211		▼	▼	▼	▼		▼		▼	▼				
	WCGT-102	.187	.094	.002	WCGT 1.51V5		▼	▼	▼	▼		▼		▼	▼				F FL ANSI
	WCGT-108	.187	.094	.008	WCGT 1.51.50.5		▼	▼	▼	▼		▼		▼	▼				
	WCGT-115	.187	.094	.015	WCGT 1.51.51		▼	▼	▼	▼		▼		▼	▼				
	WCGT-202	.250	.094	.002	WCGT 21.5V5		▼	▼	▼	▼		▼		▼	▼				G FL PC ANSI
	WCGT-208	.250	.094	.008	WCGT 21.50.5		▼	▼	▼	▼		▼		▼	▼				
	WCGT-215	.250	.094	.015	WCGT 21.51		▼	▼	▼	▼		▼		▼	▼				
	WCGT-308	.375	.156	.008	WCGT 32.50.5		▼	▼	▼	▼		▼		▼	▼				H FL PC ANSI
	WCGT-315	.375	.156	.015	WCGT 32.51		▼	▼	▼	▼		▼		▼	▼				
	WCGT-331	.375	.156	.031	WCGT 32.52		▼	▼	▼	▼		▼		▼	▼				

OUTGOING PRODUCT
Available while supplies last



	EVEREDE PART NO.	IC	T	R	ANSI CODE	EVEREDE GRADES: COATED GRADES PVD CV7	COATED GRADES PVD CVM2	COATED GRADES PVD TL120	COATED GRADES CVD CV6	COATED GRADES CVD MC32	UNCOATED GRADES CS7	UNCOATED GRADES CS6	UNCOATED GRADES CM2	UNCOATED GRADES CS2	UNCOATED GRADES MU12	CER CT7	AM PCD	AM CBN	Holder Series
	XPGT-107	.187	.094	.007	XPGT 1.51.50.5		O	O	O	O		O	O						PB
	XPGT-115	.187	.094	.015	XPGT 1.51.51		O	O	O	O		O		O					
 Left hand shown.	XPGT-102L	.187	.096	.002	XPGH 4.51.5X0L							O		O					PB
	XPGT-102R	.187	.096	.002	XPGH 4.51.5X0R									O	O				
	XPGT-107L	.187	.096	.007	XPGH 1.51.50.5L				O			O							
	XPGT-107R	.187	.096	.007	XPGH 1.51.50.5R		O	O						O					
	XPGT-115L	.187	.096	.015	XPGH 1.51.51L														
	XPGT-115R	.187	.096	.015	XPGH 1.51.51R			O				O		O	O				

When ordering inserts, indicate Everede part number followed by Everede grade. Example: WCGT-002-CV6
Ask about our specials and existing inventory of bars *not* featured in our catalogs.
See page 11 for insert grade overview.
O = outgoing item

Name	Group	Description	Representative Materials
Steels	1	Free machining & low carbon steels (100-225 BHN)	1008, 1010, 1018, 1020, 10L18, 1108, 1117, 1141, 1151, 11L44, 1200 series, 12L14
	2	Medium & high carbon steel (<35 Rc)	1035, 1040, 1045, 1055, 1080, 1085, 1090, 1525, 1541, 1551, 1561, 1572
	3	Alloy steels (<45 Rc)	1300 series, 200 series, 4012, 4023, 4140, 4320, 4422, 5120, E51100, E52100, 6118, 6150, 7000 series, 8620, 8622, 8640, 8822, E-9310, Cr-Mo alloys
	4	Case or induction hardened steels	Hardened steels >45 Rc
	5	Tool steels (<45 Rc)	SAE classes A (A2 thru A10), D (D2 thru D7), H (H10 thru H42), M (M1 thru M47), O (O1 thru O7), S (S1 thru S7), T (T1 thru T15); wrought high carbon/ low alloy W1, W2, L2, P1, P6
Stainless Steels	6	Austensic - moderate to difficult machinability (135/185 BHN)	200 & 300 series, XM-1, XM-5, XM-7, XM-21, CF-8M
	7	Martensitic - free cutting (180-220 BHN)	400 & 500 series
	8	Wrought precipitation hardened (32-35 Rc)	13-8Mo, 15-5PH, 17-4PH, 17-7PH
Cast Iron	9	Gray cast iron - low to medium hardness	A48 class 20, 25, 30, 35, 40, 45, 50, 55, 60; J431 grade G1800, G3000, G3500, G4000
	10	Nodular cast iron - medium hardness	A439-62, A467-67, A536 60-40-18, 65-45-12, 80-55-06, 100-70-03, J434, D4512
	11a	Hardened cast iron (48-65 Rc)	Chilled cast iron, high-chrome white cast iron
	11b	Pearlitic gray iron	Pearlitic gray iron
High-Temp High-Strength	12	Nickel & iron based superalloys (<48 Rc)	Inconel, Hastelloy, Waspalloy, Astroloy, Rene, Monel
	13	Cobalt based superalloys (<45 Rc)	AiResist 213, Stellite, Haynes 25 (L605), Haynes 188
	14	Titanium based alloys	Ti98.8, Ti99.9; tungsten, tantalum, zirconium
Non-Ferrous Alloys	15	Free machining	Low silicon aluminum 2024-T4, 2014-T6, 6061-T6, 2011-T3; brass, silver, platinum, gold
	16	Non-free machining	High silicon aluminum A380, A390, Duraclan, Ampco bronze, aluminum castings, aluminum bronze, copper alloys
Non-Metallics	17	Easy to difficult to machine non-metallics	Plastics, graphite, nylon, PVC, Kevlar, “green’ ceramics & carbide

	Material Group	Description	Roughing	Semi-Finish	Finish
Steel	1	Free machining & low carbon steels (100-225 BHN)	CV6	CV6/TL120	CV6/CV7/ TL120
Steel	2	Medium & high carbon steel (≤35 Rc)	CV6	CV6/TL120	CV6/CV7/ TL120
Steel	3	Alloy steels (≤45 Rc)	CV6	CV6/TL120	CV6/CV7/ TL120
Steel Hardened	4	Case or induction hardened steels	CBN	CBN	CBN
Tool Steel	5	Tool steels (≤45 Rc)	MC32	MC32/TL120	TL120
Stainless Steel - 200/300 Series	6	Austensic - moderate to difficult machinability (135/185 BHN)	MC32	MC32	CVM2
Stainless Steel - 400/500 PH Series	7	Martensitic - free cutting (180-220 BHN)	TL120	TL120	CVM2
Stainless Steel - 400/500 PH Series	8	Wrought precipitation hard-ened (32-35 Rc)	TL120	TL120	CVM2
Cast Iron - Gray/Nodular	9	Gray cast iron - low to medium hardness	TL120	TL120	TL120
Cast Iron - Gray/Nodular	10	Nodular cast iron - medium hardness	TL120	TL120	TL120
Cast Iron - Hardened	11a	Hardened cast iron (48-65 Rc)	CBN	CBN	CBN
Cast Iron - Pearlitic	11b	Pearlitic gray iron	CBN	CBN	CBN
High-Temp High-Strength Alloys	12	Nickel & iron based superalloys (≤48 Rc)	MC32	HPS2	HPS2
High-Temp High-Strength Alloys	13	Cobalt based superalloys (≤45 Rc)	MC32	HPS2	HPS2
High-Temp High-Strength Alloys	14	Titanium based alloys	MC32	HPS2	HPS2
Non-Ferrous Alloys	15	Free machining	CS2/TL120	CS2/TL120	PCD/TL120
Non-Ferrous Alloys	16	Non-free machining	CS2/TL120	CS2/TL120	PCD/TL120
Non-Metallics	17	Easy to difficult to machine non-metallics	CS2	CS2	PCD

NOTES

The recommended maximum depth of cut will exceed the desired operating depth of cut in many situations. Some parameters and guidelines are listed below.

- Finishing passes will typically require significantly lighter depths of cut than general purpose or roughing cuts. For example, a finishing pass using a TDAB style insert in aluminum may require reducing the depth of cut to no more than .005".
- Nose radius needs to be considered in determining maximum depth of cut. For many materials, the depth of cut should not exceed the corner radius when the corner radius is less than .015". For example, in most grades of stainless steel, the depth of cut should not exceed .007" when using a .007" corner radius insert.
- Ground Chipbreakers are recommended for use with stringy materials, light cuts and applications that require a fine finish.
- The accompanying speed and feed charts are meant to provide an appropriate operating range for an array of applications. In roughing applications the recommended speed will be toward the lower end of the range and the feed will be toward the higher end of the range. In finishing applications the recommended speed will be toward the higher end of the range and the feed will be toward the lower end of the range.
- For ANSI program, substitute TL120 grade in material groups 15 and 16.

				Cutting Speeds (SFM)		
Material Group	Description	ISO Code	Grade	Roughing	Semi-finishing	Finishing
1	Free machining & low carbon steels (100-225 BHN)	P05	CT7	*	*	400-1000
		P05	CV7	*	*	**500-900**
		K30	TL120	300-600	*	*
		P30	CV6	**300-500**	**350-700**	*
		K30	MC32	*	150-350	*
		P05	CS7	*	*	300-450
		P30	CS6	*	150-350	*
		HPS2	HPS2	*	*	650-900
2	Medium & high carbon steel (≤35 Rc)	P05	CT7	*	*	400-1000
		P05	CV7	*	*	**500-900**
		K30	TL120	300-600	*	*
		P30	CV6	**300-500**	**350-700**	*
		K30	MC32	*	150-350	*
		P05	CS7	*	*	300-450
		P30	CS6	*	150-350	*
		HPS2	HPS2	*	*	650-900
3	Alloy steel (≤45 Rc)	P05	CT7	*	*	400-1000
		P05	CV7	*	*	**500-900**
		K30	TL120	300-600	*	*
		P30	CV6	**300-500**	**350-700**	*
		K30	MC32	*	150-350	*
		P05	CS7	*	*	300-450
		P30	CS6	*	150-350	*
		HPS2	HPS2	*	*	650-900
4	Case or induction hardened steels (≥45 Rc)	H10	CBN	200-600	200-600	200-600
5	Tool steels (≤45 R)	P05	CT7	*	*	300-500
		P05	CV7	*	*	400-600
		K30	TL120	*	400-600	**500-700**
		P30	CV6	*	350-450	*
		K30	MC32	**100-250**	**100-250**	*
		K30	MU12	80-50	*	*
		HPS2	HPS2	*	*	650-900
6	Austensic - moderate to difficult machinability (135-185 BHN)	P05	CT7	*	*	200-500
		K10	CVM2	*	*	**350-500**
		K30	TL120	250-400	300-500	400-800
		P30	CV6	*	300-400	*
		K30	MC32	**150-350**	**150-400**	*
		K30	MU12	100-250	*	*
		HPS2	HPS2	*	*	350-700
7	Martensitic - free cutting (180-220 BHN)	P05	CT7	*	*	200-500
		K10	CVM2	*	*	**250-500**
		K30	TL120	**250-400**	**300-500**	*
		P30	CV6	*	300-400	350-500
		K30	MC32	*	250-400	*
		K30	MU12	75-150	*	*
		HPS2	HPS2	*	*	350-700
8	Wrought precipitation hardened (32-35 Rc)	P05	CT7	*	*	200-500
		K10	CVM2	*	*	**250-500**
		K30	TL120	**250-400**	**300-500**	*
		K30	MC32	*	150-300	150-300
		K30	MU12	75-150	*	*
		HPS2	HPS2	*	*	350-700

				Cutting Speeds (SFM)		
Material Group	Description	ISO Code	Grade	Roughing	Semi-finishing	Finishing
9	Gray cast iron - low to medium hardness (160-260 BHN)	P05	CT7	*	*	250-650
		K30	TL120	**200-800**	**500-1000**	**600-1500**
		P30	CV6	*	300-500	*
		K30	MC32	150-350	250-400	*
		K10	CM2	*	*	250-650
		K20	CS2	*	100-400	*
		K30	MU12	100-200	*	*
10	Nodular cast iron - medium hardness (140-260 BHN)	K10	CVM2	*	*	350-700
		K30	TL120	**200-800**	**400-900**	**500-1100**
		P30	CV6	200-450	350-500	*
		K30	MC32	200-300	200-400	*
11a	Hardened cast iron (48-65 Rc)	H10	CBN	200-600	200-600	200-600
11b	Pearlitic gray iron (200-240 BHN)	H10	CBN	1500-3000	1500-3000	1500-3000
12	Nickel & iron based superalloys (≤48 Rc)	K10	CVM2	*	*	100-200
		K30	TL120	75-100	**90-200**	**100-300**
		K30	MC32	**60-80**	70-150	*
		K10	CM2	*	*	100-130
		K20	CS2	*	70-100	*
		K30	MU12	50-65	*	*
		HPS2	HPS2	*	*	200-400
13	Cobalt based superalloys (≤45 Rc)	K10	CVM2	*	*	100-200
		K30	TL120	75-100	**90-200**	**100-300**
		K30	MC32	**60-80**	70-150	*
		K10	CM2	*	*	100-130
		K20	CS2	*	70-100	*
		K30	MU12	50-65	*	*
		HPS2	HPS2	*	*	200-400
14	Titanium based alloys (110-450 BHN)	K10	CVM2	*	*	100-200
		K30	TL120	75-100	**90-200**	**100-300**
		K30	MC32	**60-80**	70-150	*
		K10	CM2	*	*	100-130
		K20	CS2	*	70-100	*
		K30	MU12	50-65	*	*
		HPS2	HPS2	*	*	200-400
15	Free machining	N10	PCD	*	*	**1000-10000**
		K10	CM2	*	800-1500	1000-2000
		K20	CS2	**200-800**	**600-1000**	700-1400
		K30	MU12	100-250	100-400	*
16	Non-free machining	N10	PCD	*	*	**1000-10000**
		K10	CM2	*	400-800	1000-2000
		K20	CS2	**200-600**	**400-800**	*
		K30	MU12	100-400	250-400	*
17	Easy to difficult to machine non-metallics	N10	PCD	*	*	**750-1500**
		K10	CVM2	*	500-700	700-900
		K10	CM2	*	500-700	700-900
		K20	CS2	**250-400**	**400-600**	*

Cutting speeds shown in bold-face type represent first choice grade per application for roughing, semi-finish and finishing operations.

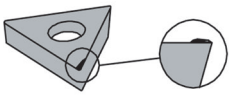
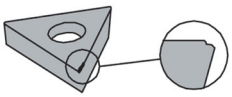
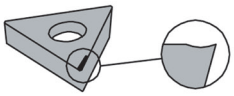
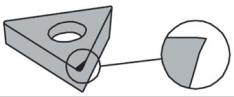
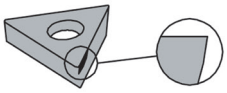
SPEED & DEPTH OF CUT RECOMMENDATIONS

Series	TURNING		Steel		Tool Steel		Stainless Steel		Cast Iron		High-Temp High-Stength Alloys		Non-Ferrous Alloys	
			DOC	IPR	DOC	IPR	DOC	IPR	DOC	IPR	DOC	IPR	DOC	IPR
A	CDCD, CDCC or CDCH	FINISH	.008"	.001/.007"	.007"	.002-.005"	.007"	.002-.005"	.007"	.002-.005"	.007"	.002-.005"	.007"	.002-.005"
B	TDAB or TDAC	FINISH	.007"	.001/.004"	.007"	.002-.005"	.007"	.002-.005"	.007"	.002-.005"	.007"	.002-.005"	.007"	.002-.005"
C	TPGH-2, TPGB-2 or TPGC-2	ROUGH	.020"	.001-.010"	.020"	.001-.010"	.020"	.001-.010"	.030"	.001-.010"	.015"	.001-.007"	.090"	.002-.015"
		FINISH	.007"	.002-.005"	.007"	.002-.005"	.007"	.002-.005"	.007"	.002-.005"	.007"	.002-.004"	.007"	.002-.012"
D	TPGH-3, TPGB-3 or TPGC-3	ROUGH	.090"	.001-.012"	.090"	.001-.012"	.090"	.001-.015"	.100"	.001-.015"	.050"	.001-.009"	.200"	.002-.030"
		FINISH	.007"	.002-.005"	.007"	.002-.005"	.007"	.002-.005"	.007"	.002-.005"	.007"	.002-.004"	.007"	.002-.012"
E	WCGT-0	FINISH	.008"	.001/.007"	.007"	.002-.005"	.007"	.002-.005"	.007"	.002-.005"	.007"	.002-.005"	.007"	.002-.005"
F	WCGT-1	FINISH	.008"	.001/.007"	.007"	.002-.005"	.007"	.002-.005"	.007"	.002-.005"	.007"	.002-.005"	.007"	.002-.005"
G	WCGT-2	ROUGH	.020"	.001-.010"	.020"	.001-.010"	.020"	.001-.010"	.030"	.001-.010"	.015"	.001-.007"	.090"	.002-.015"
		FINISH	.007"	.002-.005"	.007"	.002-.005"	.007"	.002-.005"	.007"	.002-.005"	.007"	.002-.004"	.007"	.002-.012"
H	WCGT-3	ROUGH	.090"	.001-.012"	.090"	.001-.012"	.090"	.001-.015"	.100"	.001-.015"	.050"	.001-.009"	.200"	.002-.030"
		FINISH	.007"	.002-.005"	.007"	.002-.005"	.007"	.002-.005"	.007"	.002-.005"	.007"	.002-.004"	.007"	.002-.012"
ANSI	CCGT 21.51 CPGT 21.51	ROUGH	.020"	.001-.010"	.020"	.001-.010"	.020"	.001-.010"	.030"	.001-.010"	.015"	.001-.007"	.090"	.002-.015"
		FINISH	.007"	.002-.005"	.007"	.002-.005"	.007"	.002-.005"	.007"	.002-.005"	.007"	.002-.004"	.007"	.002-.012"
	CCGT 32.51 CPGT 21.51	ROUGH	.090"	.001-.012"	.090"	.001-.012"	.090"	.001-.015"	.100"	.001-.015"	.050"	.001-.009"	.200"	.002-.030"
		FINISH	.007"	.002-.005"	.007"	.002-.005"	.007"	.002-.005"	.007"	.002-.005"	.007"	.002-.004"	.007"	.002-.012"
ANSI	DCGT 21.51	ROUGH	.020"	.001-.010"	.020"	.001-.010"	.020"	.001-.010"	.030"	.001-.010"	.015"	.001-.007"	.090"	.002-.015"
		FINISH	.007"	.002-.005"	.007"	.002-.005"	.007"	.002-.005"	.007"	.002-.005"	.007"	.002-.004"	.007"	.002-.012"
	DCGT 32.51	ROUGH	.090"	.001-.012"	.090"	.001-.012"	.090"	.001-.015"	.100"	.001-.015"	.050"	.001-.009"	.200"	.002-.030"
		FINISH	.007"	.002-.005"	.007"	.002-.005"	.007"	.002-.005"	.007"	.002-.005"	.007"	.002-.004"	.007"	.002-.012"
ANSI	TCGT 21.51 TPGH 21.51	ROUGH	.020"	.001-.010"	.020"	.001-.010"	.020"	.001-.010"	.030"	.001-.010"	.015"	.001-.007"	.090"	.002-.015"
		FINISH	.007"	.002-.005"	.007"	.002-.005"	.007"	.002-.005"	.007"	.002-.005"	.007"	.002-.004"	.007"	.002-.012"
	TCGT 32.51 TPGH 32.51	ROUGH	.090"	.001-.012"	.090"	.001-.012"	.090"	.001-.015"	.100"	.001-.015"	.050"	.001-.009"	.200"	.002-.030"
		FINISH	.007"	.002-.005"	.007"	.002-.005"	.007"	.002-.005"	.007"	.002-.005"	.007"	.002-.004"	.007"	.002-.012"

As D.O.C. increases…I.P.R. decreases.
D.O.C. on finish passes should be equal to or greater than insert radius for inserts with radii of .002", .007" or .008".
D.O.C. on finish passes should be equal to or greater than 1/2 the insert radius for inserts with radii of .015" or .031".
RPM = (3.82 x SFM)/D SFM = surface ft/min D = bore diameter

Series	MILLING	Steel	Tool Steel	Stainless Steel	Cast Iron	High-Temp High-Strength Alloys	Non-Ferrous Alloys
		IPR	IPR	IPR	IPR	IPR	IPR
CHM	APLT-347	.001-.010"	.001-.010"	.001-.010"	.001-.010"	.001-.007"	.002-.015"
INCB	CCGT 21.51	.001-.012"	.001-.012"	.001-.015"	.001-.015"	.001-.009"	.002-.030"
INCB	TPGH-215	.001-.012"	.001-.012"	.001-.015"	.001-.015"	.001-.009"	.002-.030"
IND	TPGH-215	.001-.012"	.001-.012"	.001-.015"	.001-.015"	.001-.009"	.002-.030"

RPM = (3.82 x SFM)/D SFM = surface ft/min D = working diameter of cutter
IPM (in/min) = IPR (in/rev) x T (# of inserts) x RPM

CAUSE AND REMEDY			
BUILT-UP EDGE	**DESCRIPTION**	**CAUSE**	**REMEDY**
	Work piece material is welded to the insert	Low Cutting Speed Geometry Lack of lubricity	Increase cutting speed Use more positive/free cutting insert geometry Enhance lubricity via cutting fluid or insert coating
EDGE CHIPPING			
	Chipping at the cutting edge	Grade too brittle Thermal cracking Built-up edge Breakage Nose radius	Use tougher insert grade Increase coolant supply or use not at all Remedy built-up edge Reduce load on insert Use larger nose radius
CRATER WEAR			
	Wear "crater" on top of insert	Cutting temperature too high Insert grade Geometry	Reduce cutting speed Use Aln coated grade or harder grade of insert Use more positive insert geometry
PLASTIC DEFORMATION			
	Cutting edge is deformed	Cutting temperature too high Insert grade	Reduce cutting speed Use harder grade of insert
FLANK WEAR			
	Cutting edge flank worn	Slow feed Excessive speed Insert grade Clearance	Increase feed Reduce speed Use harder grade or more suitable coated grade Verify insert clearance and increase if necessary
	Poor part surface finish	Nose radius Over feed Material tearing Cutting parameters	Increase insert nose radius Reduce feed rate Use more positive geometry or increase speed Verify correct cutting parameters

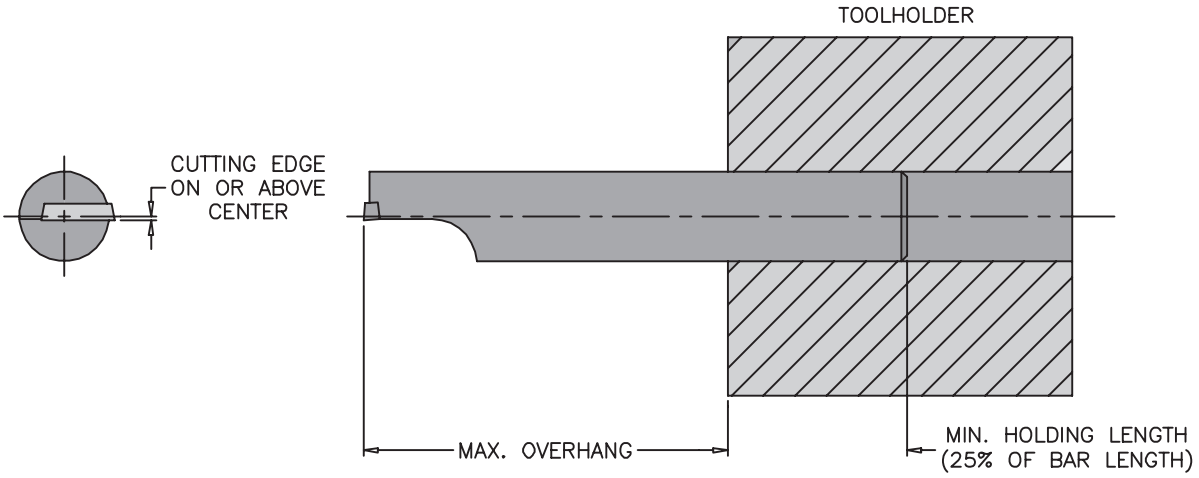
INSERT GRADES
OVERVIEW

COATED GRADES	
CV7	**PVD TiN/PO5** (gold) coating. Ideal for light finishing steel applications.
CVM2	**PVD TiN/K10** (gold) coating. Ideal for stainless steel finishing applications.
TL120	**Multi-layer PVD TiAln/K30** (black) coating. For tool steel, 400/500 & PH series stainless, gray/nodular cast iron and high-temp/high-strength alloys in high heat applications at higher speeds . Works best in dry machining applications.
CV6	**Multi-layer CVD TiN/TiC/TiCN/P30** (gold) coating. General purpose steel cutting grade with minimum hone. Works well in low to medium heat applications and at low to medium speeds and feeds.
MC32	**Multi-layer CVD TiN/TiC/TiCN/K30** (gold) coating. Excellent lubricity, good wear resistance. Ideal for roughing/ semi-finishing of tool steel, 200/300 series stainless steel and high-temp/high strength alloys .
HPS2	**Multi-layer HiPIMS TiAlSiN** (bronze) coating. Excellent coating adhesion for consistent predictable tool life. Very high thermal stability with operating temperature up to 1,100° C. Superior surface smoothness to prevent built up edge. .
UNCOATED GRADES	
CS7	**Micro-grain P05** finishing grade for steel
CS6	**Medium grain P30** roughing/semi-finish grade for steel with minimum hone
CM2	**Micro-grain K10** semi-finish/finish grade for stainless, cast iron and high-temp/high strength alloys
CS2	**Fine grain K20** roughing/semi-finish grade for non-ferrous applications
MU12	**Micro-grain K30** roughing grade with high cobalt content for increased toughness
CT7	**Cermet P05** steel, stainless and cast iron finishing applications

INSERT NOMENCLATURE CROSS REFERENCE

Everede P/N	ANSI P/N	ISO P/N	I.C.	Thickness	Radius
APLT-347	N/A	APLT 1604PDSR	.375	.187	.015
CCGT 21.51	CCGT 21.51	CCGT 040204	.250	.094	.015
CCGT 32.51	CCGT 32.51	CCGT 06T304	.375	.156	.015
CDCD-02	CDHB-1.20.60	CDHB S4T000	.156	.040	.002
CDCD-07	CDHB-1.20-60.5	CDHB S4T002	.156	.040	.007
CDCD-15	CDHB-1.20.61	CDHB S4T004	.156	.040	.015
CDCH-07	CDHH-1.20-60.5	CDHH S4T002	.156	.040	.007
CDCH-15	CDHH-1.20.61	CDHH S4T004	.156	.040	.015
CPGT 21.51	CPGT 21.51	CPGT 060204	.250	.094	.015
CPGT 32.51	CPGT 32.51	CPGT 09T304	.375	.156	.015
DCGT 21.51	DCGT 21.51	DCGT 070204	.250	.094	.015
DCGT 32.51	DCGT 32.51	DCGT 11T304	.375	.156	.015
TCGT 21.51	TCGT 21.51	TCGT 110204	.250	.094	.015
TCGT 32.51	TCGT 32.51	TCGT 16T304	.375	.156	.015
TDAB-02	TDHB -1.30.80	TDHB 07S100	.160	.047	.002
TDAB-07	TDHB-1.30.80.5	TDHB 07S102	.160	.047	.007
TDAB-15	TDHB-1.30.81	TDHB 07S104	.160	.047	.015
TDAH-02	TDHH -1.30.80	TDHH 07S100	.160	.047	.002
TDAH-07	TDHH-1.30.80.5	TDHH 07S102	.160	.047	.007
TDAH-15	TDHH-1.30.81	TDHH 07S104	.160	.047	.015
TPGB-207	TPGB-21.50.5	TPGB 110202	.250	.094	.007
TPGB-215	TPGB-21.51	TPGB 110204	.250	.094	.015
TPGB-231	TPGB-21.52	TPGB 110208	.250	.094	.031
TPGB-307	TPGB-320.5	TPGB 160302	.375	.125	.007
TPGB-315	TPGB-321	TPGB 160304	.375	.125	.015
TPGB-331	TPGB-322	TPGB 160308	.375	.125	.031
TPGH-202	TPGH-21.50	TPGH 110200	.250	.094	.002
TPGH-207	TPGH-21.50.5	TPGH 110202	.250	.094	.007
TPGH-215	TPGH-21.51	TPGH 110204	.250	.094	.015
TPGH-231	TPGH-21.52	TPGH 110208	.250	.094	.031
TPGH-307	TPGH-320.5	TPGH 160302	.375	.125	.007
TPGH-315	TPGH-321	TPGH 160304	.375	.125	.015
TPGT-32.51	TPGT-32.51	TPGT 06T304	.375	.156	.015
TPGH-331	TPGH-322	TPGH 160308	.375	.125	.031
VPGT-207	VPGT-220.5	VPGT 110302	.250	.125	.007
VPGT-215	VPGT-221	VPGT 110304	.250	.125	.015
WCGT-002	WCGT-1.21V5	WCGT 0201V5	.156	.062	.002
WCGT-008	WCGT-1.210.5	WCGT 020102	.156	.062	.008
WCGT-015	WCGT-1.211	WCGT 020104	.156	.062	.015
WCGT-102	WCGT-1.51.5V5	WCGT L3020V5	.187	.094	.002
WCGT-108	WCGT-1.51.50.5	WCGT L30202	.187	.094	.008
WCGT-115	WCGT-1.51.51	WCGT L30204	.187	.094	.015
WCGT-202	WCGT-21.5V5	WCGT 04020V5	.250	.094	.002
WCGT-208	WCGT-21.50.5	WCGT 040202	.250	.094	.008
WCGT-215	WCGT-21.51	WCGT 040204	.250	.094	.015
WCGT-308	WCGT-32.50.5	WCGT 06T302	.375	.156	.008
WCGT-315	WCGT-32.51	WCGT 06T304	.375	.156	.015
WCGT-331	WCGT-32.52	WCGT 06T308	.375	.156	.031
XPGT-107	XPGT-1.51.50.5	XPGT L30202	.187	.094	.007
XPGT-115	XPGT-1.51.51	XPGT L30204	.187	.094	.015

BAR SET-UP CONDITIONS

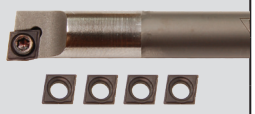


BAR MATERIAL	MAX. OVERHANG
Steel	4 x Bar Dia.
Heavy Metal	7 x Bar Dia.
Carbide	10 x Bar Dia.

CARBIDE GRADE CROSS REFERENCE

EVEREDE	CIRCLE/WIDIA	KENNAMETAL	MITSUBISHI	ULTRADEX
MU12	CM1	K1	----	----
CS2	C25	K6	HTi20T	UD25
CM2	C3	K68/K313	----	UD2
CS6	C50	K420	UTi20T	HP250
CS7	C70	K45	----	HP230
CT7	TN7	KT125/KT150	AP25N	UD5C
TL120	ALO	KC935	UE6020	UD204
MC32	CG5	KC250	US735	----
CVM2	----	KC730	UP10H	UD22
CV6	CG6	KC850	UE6005	UD51
CV7	----	KC740	----	UD52
PCD	CPD1	KD100	MD220/MD205	UD2PCD
CBN	CBN6	KD120/KD081	MB820/MB810	UD5CBN
CBNS	CBN1	KD120/KD081	MB710/MB730	----

BORING BAR KITS

EVEREDE PART NUMBER	HOLDER	SHANK DIA	OAL	MIN BORE	CONTENTS	
CA1205/TL120 KIT	CA1205	3/16	4	.208	(1) carbide bar (5) CDCH-07-TL120 inserts (1) wrench	
CA1300/TL120 KIT	CA1300	1/4	4	.290		
CA1330/TL120 KIT	CA1330	5/16	6	.356		
CE5215/TL120 KIT	CE5215	3/16	4	.230	(1) carbide bar with flat (5) WCGT-008-TL120 inserts (1) wrench	
CE5300/TL120 KIT	CE5300	1/4	4	.290		
CF6300/TL120 KIT	CF6300	5/16	4	.360	(1) carbide bar with flat (5) WCGT-108-TL120 inserts (1) wrench	
CB1900/TL120 KIT	CB1900	3/16	4	.270	(1) carbide bar (5) TDAB-07-TL120 inserts (1) insert wrench	
CB2200/TL120 KIT	CB2200	1/4	4	.300		
CB2300/TL120 KIT	CB2300	5/16	4	.360		
CC2900/TL120 KIT	CC2900	3/8	6	.438	(1) carbide bar (5) TPGH-215-TL120 (1) insert wrench	
CC3000/TL120 KIT	CC3000	1/2	8	.563		

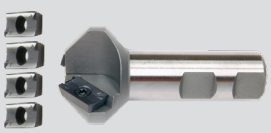
5° lead angle bars

COUNTERSINK KITS

EVEREDE PART NUMBER	HOLDER	INCLUDED ANGLE	SHANK DIA	CHAMFER RANGE	CONTENTS	
IND-16-8-125/TL120 KIT	IND-16-8-125	82°	3/8	.125-.583	(1) holder (5) TPGH-215-TL120 inserts (1) wrench	
IND-17-8-250/TL120 KIT	IND-17-8-250	82°	1/2	.250-.708		
IND-18-8-375/TL120 KIT	IND-18-8-375	82°	1/2	.375-.833		
IND-16-9-125/TL120 KIT	IND-16-9-125	90°	3/8	.125-.621		
IND-17-9-250/TL120 KIT	IND-17-9-250	90°	1/2	.250-.746		
IND-18-9-375/TL120 KIT	IND-18-9-375	90°	1/2	.375-.871		

Applications: plunge, interpolate and mill

CHAMFERMILL KITS

EVEREDE PART NUMBER	HOLDER	INCLUDED ANGLE	SHANK DIA	CHAMFER RANGE	CONTENTS	
CHM-750-30/ TL120 KIT	CHM-750-30	60°	3/4	.750-1.303	(1) holder (6) APLT-347-TL120 inserts (1) wrench	
CHM-688-41/TL120 KIT	CHM-688-41	82°	3/4	.688-1.414		
CHM-688-45/TL120 KIT	CHM-688-45	90°	3/4	.688-1.471		
CHM-1.000-30/TL120 KIT	CHM-1.000-30	60°	1	1.000-1.553	(1) holder (6) APLT-347-TL120 inserts (1) wrench	
CHM-938-41/TL120 KIT	CHM-938-41	82°	1	.938-1.664		
CHM-938-45/TL120 KIT	CHM-938-45	90°	1	.938-1.721		

● NO SUBSTITUTIONS

Applications: face mill, plunge, interpolate and mill

SERIES A (CDCD INSERTS)

SET 1 - ALLOY STEEL SHANKS

BAR	MINBORE	SHANK
SA1000	.180	.187
SA1005	.208	.187
SA1010	.230	.187
SA1100	.290	.250

SET 1C - CARBIDE SHANKS

BAR	MINBORE	SHANK
CA1200	.180	.156
CA1205	.208	.187
CA1215	.230	.187
CA1300	.290	.250

SET 2 - ALLOY STEEL SHANKS (OVERSIZE 3/8 DIA)

BAR	MINBORE	SHANK
SA1405	.208	.375
SA1420	.230	.375
SA1440	.290	.375

SET 2C - CARBIDE SHANKS

BAR	MINBORE	SHANK
CA1200	.180	.156
CA1215	.230	.187
CA1300	.290	.187

SET 3 - ALLOY STEEL SHANKS (OVERSIZE 1/2 DIA)

BAR	MINBORE	SHANK
SA1605	.208	.500
SA1620	.230	.500
SA1630	.290	.500

SET 5 - ALLOY STEEL SHANKS (STRAIGHT & OVERSIZE)

BAR	MINBORE	SHANK
SA1000	.180	.187
SA1005	.208	.187
SA1420 (oversize shank)	.230	.375
SA1640 (oversize shank)	.290	.500

- Sets 1, 2, 3, 5 come with insert CDCD-07-CVM2.
- Sets 4, 6,7 come with insert TDAB-07-CVM2.
- See bar catalog pages for more information.
- Straight shank unless noted.
- Lead angle 5°.
- Order by set number.



SETS INCLUDE:

- Boring bars as listed
- (10) inserts as listed below (can be substituted at time of order)
- Steel carrying case (Not Included)
- Wrenches

SERIES B (TDAB INSERTS)

SET 4 - ALLOY STEEL SHANKS (OVERSIZE 5/8 DIA)

BAR	MINBORE	SHANK
SB2510	.270	.625
SB2530	.300	.625
SB2550	.360	.625

SET 6 - ALLOY STEEL SHANKS

BAR	MINBORE	SHANK
SB1800	.270	.187
SB2000	.300	.250
SB2100	.360	.312

SET 6C - CARBIDE SHANKS

BAR	MINBORE	SHANK
CB1900	.270	.187
CB2200	.300	.250
CB2300	.360	.312

SET 7 - ALLOY STEEL SHANKS (OVERSIZE 1/2 DIA)

BAR	MINBORE	SHANK
SB2410	.270	.500
SB2430	.300	.500
SB2450	.360	.500

SERIES E & F

SET 8 - STRAIGHT SHANKS

BAR	MINBORE	SHANK
SE5010	.230	.187
SE6000	.300	.250
SF6100	.360	.312

SET 8C - CARBIDE SHANKS

BAR	MINBORE	SHANK
CE5215	.230	.187
CE5300	.290	.250
CF6300	.360	.312

SERIES C & D

SET 10

TPGH-2 & TPGH-3 INSERTS

BAR	MINBORE	SHANK
SD3700	1.094	1"
SD3600	.844	3/4"
SD3500	.719	5/8"
SC2800	.563	1/2"
SC2700	.438	3/8"

SERIES G & H

SET 11

WCGT-2 & WCGT-3 INSERTS

BAR	MINBORE	SHANK
SH7700	1.094	1"
SH7600	.844	3/4"
SH7500	.719	5/8"
SG6800	.563	1/2"
SG6700	.438	3/8"

- Sets 8 includes (5) each WCGT-008-CVM2 & WCGT-108-CVM2 inserts.
- Sets 10, 12 include (10) each TPGH-215-CV6 & TPGH-315-CV6 inserts.
- Sets 11, 13 include (10) each WCGT-215-CV6 & WCGT-315-CV6 inserts.
- See bar catalog pages for more bar information.
- Straight shank unless noted.
- Bars have 5° lead angle unless noted.



SETS INCLUDE:

- Boring bars as listed
- Inserts as listed below (can be substituted at time of order)
- Steel carrying case (Not Included)
- Wrenches

SERIES C & D

SET 12 - 0° LEAD ANGLE

TPGH-2 & TPGH-3 INSERTS

BAR	MINBORE	SHANK
SD3705	1.094	1"
SD3605	.844	3/4"
SD3505	.719	5/8"
SC2805	.563	1/2"
SC2705	.438	3/8"

SERIES G & H

SET 13 - 0° LEAD ANGLE

WCGT-2 & WCGT-3 INSERTS

BAR	MINBORE	SHANK
SH7705	1.094	1"
SH7605	.844	3/4"
SH7505	.719	5/8"
SG6805	.563	1/2"
SG6705	.438	3/8"

SET 60 - 60° included angle		
BODY	MIN. DIA.	MAX. DIA.
IND-15-6-125	.125	.463
IND-16-6-250	.250	.588
IND-17-6-375	.375	.713
IND-18-6-500	.500	.838

SET 82 - 82° included angle		
BODY	MIN. DIA.	MAX. DIA.
IND-16-8-125	.125	.583
IND-17-8-250	.250	.708
IND-18-8-375	.375	.833
IND-19-8-500	.500	.958

SET 90 - 90° included angle		
BODY	MIN. DIA.	MAX. DIA.
IND-16-9-125	.125	.621
IND-17-9-250	.250	.746
IND-18-9-375	.375	.871
IND-11.1-9-500	.500	.996

SET 125 - .125 min. dia.		
BODY	INCLUDED ANGLE	MAX. DIA.
IND-15-6-125	60°	.463
IND-16-8-125	82°	.583
IND-16-9-125	90°	.621

SET 250 - .250 min. dia.		
BODY	INCLUDED ANGLE	MAX. DIA.
IND-16-6-250	60°	.588
IND-17-8-250	82°	.708
IND-17-9-250	90°	.746



*Steel carrying case not included

SETS INCLUDE:

- All bodies use the same insert. Includes 10 coated inserts (TPGH-215-CV6) and wrenches.
- Inserts are above center for better cutting action.
- Precision ground shanks for true concentricity.
- Order by set number.

SET 375 - .375 min. dia.		
BODY	INCLUDED ANGLE	MAX. DIA.
IND-17-6-375	60°	.713
IND-18-8-375	82°	.833
IND-18-9-375	90°	.871

SET 500 - .500 min. dia.		
BODY	INCLUDED ANGLE	MAX. DIA.
IND-18-6-500	60°	.838
IND-19-8-500	82°	.958
IND-11.1-9-500	90°	.996

CHAMFER MILLS

SET CHM-30 30° CHAMFER ANGLE (60° included angle)				
	MIN.DIA.	MAX. DIA.	SHANK DIA.	# OF FLUTES
CHM-750-30	.750	1.303	.750	2
CHM-1.000-30	1.000	1.553	1.000	3
CHM-1.250-30	1.250	1.803	1.250	3

SET CHM-41 41° CHAMFER ANGLE (82° included angle)				
	MIN.DIA.	MAX. DIA.	SHANK DIA.	# OF FLUTES
CHM-688-41	.688	1.414	.750	2
CHM-938-41	.938	1.664	1.000	3
CHM-1.188-41	1.188	1.914	1.250	3

SET CHM-45 45° CHAMFER ANGLE (90° included angle)				
	MIN.DIA.	MAX. DIA.	SHANK DIA.	# OF FLUTES
CHM-688-45	.688	1.471	.750	2
CHM-938-45	.938	1.721	1.000	3
CHM-1.188-45	1.188	1.971	1.250	3

SET CHM-60 60° CHAMFER ANGLE (120° included angle)				
	MIN.DIA.	MAX. DIA.	SHANK DIA.	# OF FLUTES
CHM-500-60	.500	1.458	.750	2
CHM-750-60	.750	1.708	1.000	3
CHM-1.000-60	1.000	1.958	1.250	3



SETS INCLUDE:

- Can be used for countersinking, chamfer milling and face milling.
- Extra length of cut with parallelogram inserts.
- All holders use the same insert (APLT-347-CV6).
- Sets include three holders and 10 coated inserts and wrenches in a metal box (while supplies last).
- Order by set number.

ANSI BORING BAR PROGRAM

- STEEL
- STEEL WITH COOLANT THRU
- CARBIDE
- CARBIDE WITH COOLANT THRU
- INSERTS
- STUB OAL - CARBIDE & CARBIDE COOLANT THRU
- MULTIPLE INSERT I.C. SIZES OFFERED ON 1/2" & 5/8" BARS



- Large on-hand inventory
- Best prices in the industry
- Fast Delivery

MADE IN USA

SHANK MATERIAL
A = coolant thru steel
C = carbide
E = coolant thru carbide
J = coolant thru heavy metal
M = heavy metal
S = steel

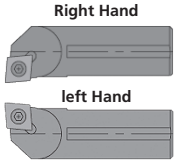
SHANK DIA	
02.5	.156 (5/32)
03	.187 (3/16)
04	.250 (1/4)
05	.312 (5/16)
06	.375 (3/8)
08	.500 (1/2)
10	.625 (5/8)
12	.750 (3/4)
16	1.000 (1)
20	1.250 (1 1/4)
22	1.375 (1 3/8)
24	1.500 (1 1/2)

OAL
E = 2.5
F = 3
G = 3.5
H = 4
J = 4.5
K = 5
M = 6
Q = 7
R = 8
S = 10
T = 12
Z = Special Length

HOLDING METHOD
S = screw

LEAD ANGLE	
F = 0°	
L = 5°	
U = 3°	

HAND OF BAR
R = right
L = left



1/4" & under bars do not have flats
5/16" & 3/8" bars have single flat
1/2" & over bars have 2 flats

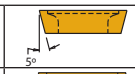
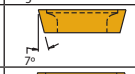
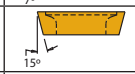
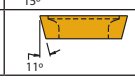
S	10	M	-	S	C	L	C	R	-	2

INSERT NOMENCLATURE

INSERT SHAPE

C = 80° diamond	
D = 55° diamond	
T = triangle	
W= trigon	

INSERT CLEARANCE

B = 5°	
C = 7°	
D = 15°	
P = 11°	

INSERT I.C.
1.2 = .156
1.3 = .160
1.5 = .187
2 = .250
3 = .375

T	C	G	T	-	2	1.5	1

TOLERANCE

	I.C.	THICKNESS
A =	+/- .001	+/- .001
C =	+/- .001	+/- .001
E =	+/- .001	+/- .001
F =	+/- .0002 to +/- .0004	+/- .001
G =	+/- .001	+/- .005

CHIPBREAKER/HOLE
B = flat tip C'Sink hole
C = ground groove / C'Sink hole
D = flat top / C'Sink hole
H = molded / ANSI style hole
T = molded / ANSI style hole

THICKNESS
0.6 = .040
0.8 = .047
1 = .062
1.5 = .094
2 = .125
2.5 = .156

RADIUS
V5 = .002
X0 = .002
0 = .002
0.5 = .007/.008
1 = .015
2 = .031



Right hand shown

ALLOY STEEL SHANKS (Series ANSI)

EVEREDE PART NUMBER				K	D1	F	D min.	L1	
RIGHT HAND	DS	LEFT HAND	DS	ANGLE	SHANK DIA	DIM	MIN BORE	OAL	INSERTS
S03E SCLDR-1.2	▼	S03E SCLDL-1.2	O	---	.187	.116	.230	2.5	CDHB 1.20.61
S04F SCLDR-1.2	▼	S04F SCLDL-1.2	O	---	.250	.145	.290	3	
S05K SCLCR-2	▼	S05K SCLCL-2	O	13	.312	.219	.415	5	CCGT 21.51
S06M SCLCR-2	▼	S06M SCLCL-2	O	12	.375	.250	.480	6	
S08R SCLCR-2	▼	S08R SCLCL-2	O	12	.500	.312	.600	8	
S08R SCLCR-3	▼	S08R SCLCL-3	O	14	.500	.312	.600	8	CCGT 32.51
S10S SCLCR-2	▼	S10S SCLCL-2	O	8	.625	.406	.770	10	CCGT 21.51
S10S SCLCR-3	▼	S10S SCLCL-3	O	11	.625	.406	.770	10	CCGT 32.51
S12S SCLCR-3	▼	S12S SCLCL-3	O	8	.750	.500	.930	10	
S16T SCLCR-3	▼	S16T SCLCL-3	O	6	1	.640	1.200	12	

ALLOY STEEL SHANKS (Series ANSI) with Coolant Thru

EVEREDE PART NUMBER				K	D1	F	D min.	L1	
RIGHT HAND	DS	LEFT HAND	DS	ANGLE	SHANK DIA	DIM	MIN BORE	OAL	INSERTS
A05K SCLCR-2	▼	A05K SCLCL-2	O	13	.312	.219	.415	5	CCGT 21.51
A06M SCLCR-2	▼	A06M SCLCL-2	O	12	.375	.250	.480	6	
A08R SCLCR-2	▼	A08R SCLCL-2	O	12	.500	.312	.600	8	
A08R SCLCR-3	▼	A08R SCLCL-3	O	14	.500	.312	.600	8	CCGT 32.51
A10S SCLCR-2	▼	A10S SCLCL-2	O	8	.625	.406	.770	10	CCGT 21.51
A10S SCLCR-3	▼	A10S SCLCL-3	O	11	.625	.406	.770	10	CCGT 32.51
A12S SCLCR-3	▼	A12S SCLCL-3	O	8	.750	.500	.930	10	
A16T SCLCR-3	▼	A16T SCLCL-3	O	6	1	.640	1.200	12	

CARBIDE SHANKS (Series ANSI) with Alloy Steel Head

EVEREDE PART NUMBER				K	D1	F	D min.	L1	
RIGHT HAND	DS	LEFT HAND	DS	ANGLE	SHANK DIA	DIM	MIN BORE	OAL	INSERTS
C02.5H SCLDR-1.2	▼	C02.5H SCLDL-1.2	O	---	.156	.092	.180	4	CDHB 1.20.61
C03H SCLDR-1.2	▼	C03H SCLDL-1.2	O	---	.187	.116	.230	4	
C04H SCLDR-1.2	▼	C04H SCLDL-1.2	O	---	.250	.145	.290	4	
C05M SCLCR-2	▼	C05M SCLCL-2	O	13	.312	.219	.415	6	CCGT 21.51
C06M SCLCR-2	▼	C06M SCLCL-2	O	12	.375	.250	.480	6	
C08J SCLCR-2	▼	C08J SCLCL-2	O	12	.500	.312	.600	4.5	
C08R SCLCR-2	▼	C08R SCLCL-2	O	12	.500	.312	.600	8	
C08J SCLCR-3	▼	C08J SCLCL-3	O	14	.500	.312	.600	4.5	CCGT 32.51
C08R SCLCR-3	▼	C08R SCLCL-3	O	14	.500	.312	.600	8	
C10Q SCLCR-2	▼	C10Q SCLCL-2	O	8	.625	.406	.770	7	CCGT 21.51
C10S SCLCR-2	▼	C10S SCLCL-2	O	11	.625	.406	.770	10	
C10Q SCLCR-3	▼	C10Q SCLCL-3	O	11	.625	.406	.770	7	CCGT 32.51
C10S SCLCR-3	▼	C10S SCLCL-3	O	11	.625	.406	.770	10	
C12Q SCLCR-3	▼	C12Q SCLCL-3	O	8	.750	.500	.930	7	
C12S SCLCR-3	▼	C12S SCLCL-3	O	8	.750	.500	.930	10	
C16R SCLCR-3	▼	C16R SCLCL-3	O	6	1	.640	1.200	8	
C16T SCLCR-3	▼	C16T SCLCL-3	O	6	1	.640	1.200	12	

O = EXPRESS DELIVERY
▼ = STOCK

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Bars With No "K" Angle Have No Flats.



Right hand shown

CARBIDE SHANKS (Series ANSI) with Alloy Steel Head Coolant Thru

EVEREDE PART NUMBER				K	D1	F	D min.	L1	
RIGHT HAND	DS	LEFT HAND	DS	ANGLE	SHANK DIA	DIM	MIN BORE	OAL	INSERTS
E02.5H SCLDR-1.2	▼	E02.5H SCLDL-1.2	O	---	.156	.092	.180	4	CDHB 1.20-60.5
E03H SCLDR-1.2	▼	E03H SCLDL-1.2	O	---	.187	.116	.230	4	
E04H SCLDR-1.2	▼	E04H SCLDL-1.2	O	---	.250	.145	.290	4	
E05M SCLCR-2	▼	E05M SCLCL-2	O	13	.312	.219	.415	6	CCGT 21.51
E06M SCLCR-2	▼	E06M SCLCL-2	O	12	.375	.250	.480	6	
E08J SCLCR-2	▼	E08J SCLCL-2	O	14	.500	.312	.600	4.5	
E08R SCLCR-2	▼	E08R SCLCL-2	O	12	.500	.312	.600	8	
E08J SCLCR-3	▼	E08J SCLCL-3	O	14	.500	.312	.600	4.5	CCGT 32.51
E08R SCLCR-3	▼	E08R SCLCL-3	O	14	.500	.312	.600	8	
E10Q SCLCR-2	▼	E10Q SCLCL-2	O	8	.625	.406	.770	7	CCGT 21.51
E10S SCLCR-2	▼	E10S SCLCL-2	O	8	.625	.406	.770	10	
E10Q SCLCR-3	▼	E10Q SCLCL-3	O	11	.625	.406	.770	7	CCGT 32.51
E10S SCLCR-3	▼	E10S SCLCL-3	O	11	.625	.406	.770	10	
E12Q SCLCR-3	▼	E12Q SCLCL-3	O	8	.750	.500	.930	7	
E12S SCLCR-3	▼	E12S SCLCL-3	O	8	.750	.500	.930	10	
E16R SCLCR-3	▼	E16R SCLCL-3	O	6	1	.640	1.200	8	
E16T SCLCR-3	▼	E16T SCLCL-3	O	6	1	.640	1.200	12	

O = EXPRESS DELIVERY
▼ = STOCK

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Bars With No "K" Angle Have No Flats.



Right hand shown

ALLOY STEEL SHANKS (Series ANSI)

EVEREDE PART NUMBER				K	D1	F	D min.	L1	
RIGHT HAND	DS	LEFT HAND	DS	ANGLE	SHANK DIA	DIM	MIN BORE	OAL	INSERTS
S05K SCLPR-2	▼	S05K SCLPL-2	O	13	.312	.219	.415	5	
S06M SCLPR-2	▼	S06M SCLPL-2	O	12	.375	.250	.480	6	CPGT 21.51
S08R SCLPR-2	▼	S08R SCLPL-2	O	12	.500	.312	.600	8	
S08R SCLPR-3	▼	S08R SCLPL-3	O	14	.500	.312	.600	8	CPGT 32.51
S10S SCLPR-2	▼	S10S SCLPL-2	O	8	.625	.406	.770	10	CPGT 21.51
S10S SCLPR-3	▼	S10S SCLPL-3	O	11	.625	.406	.770	10	
S12S SCLPR-3	▼	S12S SCLPL-3	O	8	.750	.500	.930	10	CPGT 32.51
S16T SCLPR-3	▼	S16T SCLPL-3	O	6	1	.640	1.200	12	

ALLOY STEEL SHANKS (Series ANSI) with Coolant Thru

EVEREDE PART NUMBER				K	D1	F	D min.	L1	
RIGHT HAND	DS	LEFT HAND	DS	ANGLE	SHANK DIA	DIM	MIN BORE	OAL	INSERTS
A05K SCLPR-2	▼	A05K SCLPL-2	O	13	.312	.219	.415	5	
A06M SCLPR-2	▼	A06M SCLPL-2	O	12	.375	.250	.480	6	CPGT 21.51
A08R SCLPR-2	▼	A08R SCLPL-2	O	12	.500	.312	.600	8	
A08R SCLPR-3	▼	A08R SCLPL-3	O	14	.500	.312	.600	8	CPGT 32.51
A10S SCLPR-2	▼	A10S SCLPL-2	O	8	.625	.406	.770	10	CPGT 21.51
A10S SCLPR-3	▼	A10S SCLPL-3	O	11	.625	.406	.770	10	
A12S SCLPR-3	▼	A12S SCLPL-3	O	8	.750	.500	.930	10	CPGT 32.51
A16T SCLPR-3	▼	A16T SCLPL-3	O	6	1	.640	1.200	12	

CARBIDE SHANKS (Series ANSI) with Alloy Steel Head

EVEREDE PART NUMBER				K	D1	F	D min.	L1	
RIGHT HAND	DS	LEFT HAND	DS	ANGLE	SHANK DIA	DIM	MIN BORE	OAL	INSERTS
C05M SCLPR-2	▼	C05M SCLPL-2	O	13	.312	.219	.415	6	
C06M SCLPR-2	▼	C06M SCLPL-2	O	12	.375	.250	.480	6	CPGT 21.51
C08J SCLPR-2	▼	C08J SCLPL-2	O	12	.500	.312	.600	4.5	
C08R SCLPR-2	▼	C08R SCLPL-2	O	12	.500	.312	.600	8	
C08J SCLPR-3	▼	C08J SCLPL-3	O	14	.500	.312	.600	4.5	CPGT 32.51
C08R SCLPR-3	▼	C08R SCLPL-3	O	14	.500	.312	.600	8	
C10Q SCLPR-2	▼	C10Q SCLPL-2	O	8	.625	.406	.770	7	CPGT 21.51
C10S SCLPR-2	▼	C10S SCLPL-2	O	8	.625	.406	.770	10	
C10Q SCLPR-3	▼	C10Q SCLPL-3	O	11	.625	.406	.770	7	
C10S SCLPR-3	▼	C10S SCLPL-3	O	11	.625	.406	.770	10	
C12Q SCLPR-3	▼	C12Q SCLPL-3	O	8	.750	.500	.930	7	CPGT 32.51
C12S SCLPR-3	▼	C12S SCLPL-3	O	8	.750	.500	.930	10	
C16R SCLPR-3	▼	C16R SCLPL-3	O	6	1	.640	1.200	8	
C16T SCLPR-3	▼	C16T SCLPL-3	O	6	1	.640	1.200	12	



Right hand shown

CARBIDE SHANKS (Series ANSI) with Alloy Steel Head Coolant Thru

EVEREDE PART NUMBER				K	D1	F	D min.	L1	
RIGHT HAND	DS	LEFT HAND	DS	ANGLE	SHANK DIA	DIM	MIN BORE	OAL	INSERTS
E05M SCLPR-2	▼	E05M SCLPL-2	O	13	.312	.219	.415	6	CPGT 21.51
E06M SCLPR-2	▼	E06M SCLPL-2	O	12	.375	.250	.480	6	
E08J SCLPR-2	▼	E08J SCLPL-2	O	12	.500	.312	.600	4.5	
E08R SCLPR-2	▼	E08R SCLPL-2	O	12	.500	.312	.600	8	
E08J SCLPR-3	▼	E08J SCLPL-3	O	14	.500	.312	.600	4.5	CPGT 32.51
E08R SCLPR-3	▼	E08R SCLPL-3	O	14	.500	.312	.600	8	
E10Q SCLPR-2	▼	E10Q SCLPL-2	O	8	.625	.406	.770	7	CPGT 21.51
E10S SCLPR-2	▼	E10S SCLPL-2	O	8	.625	.406	.770	10	
E10Q SCLPR-3	▼	E10Q SCLPL-3	O	11	.625	.406	.770	7	CPGT 32.51
E10S SCLPR-3	▼	E10S SCLPL-3	O	11	.625	.406	.770	10	
E12Q SCLPR-3	▼	E12Q SCLPL-3	O	8	.750	.500	.930	7	
E12S SCLPR-3	▼	E12S SCLPL-3	O	8	.750	.500	.930	10	
E16R SCLPR-3	▼	E16R SCLPL-3	O	6	1	.640	1.200	8	
E16T SCLPR-3	▼	E16T SCLPL-3	O	6	1	.640	1.200	12	

O = EXPRESS DELIVERY
▼ = STOCK

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Bars With No "K" Angle Have No Flats.



Right hand shown

ALLOY STEEL SHANKS (Series ANSI)

EVEREDE PART NUMBER				K	D1	F	D min.	L1	
RIGHT HAND	DS	LEFT HAND	DS	ANGLE	SHANK DIA	DIM	MIN BORE	OAL	INSERTS
S06M SDUCR-2	▼	S06M SDUCL-2	○	11	.375	.350	.600	6	DCGT 21.51
S08R SDUCR-2	▼	S08R SDUCL-2	○	11	.500	.429	.730	8	
S10S SDUCR-2	▼	S10S SDUCL-2	○	10	.625	.459	.850	10	
S12S SDUCR-3	▼	S12S SDUCL-3	○	10	.750	.554	.980	10	DCGT 32.51
S16T SDUCR-3	▼	S16T SDUCL-3	○	6	1	.750	1.500	12	

ALLOY STEEL SHANKS (Series ANSI) with Coolant Thru

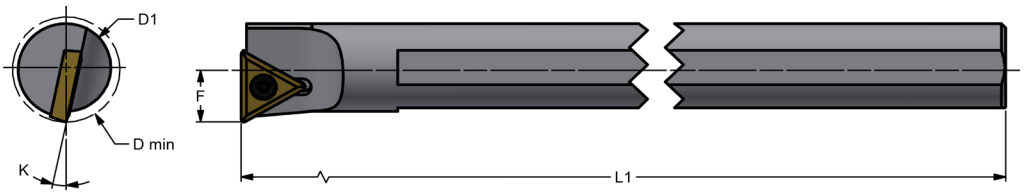
EVEREDE PART NUMBER				K	D1	F	D min.	L1	
RIGHT HAND	DS	LEFT HAND	DS	ANGLE	SHANK DIA	DIM	MIN BORE	OAL	INSERTS
A06M SDUCR-2	▼	A06M SDUCL-2	○	11	.375	.350	.600	6	DCGT 21.51
A08R SDUCR-2	▼	A08R SDUCL-2	○	11	.500	.429	.730	8	
A10S SDUCR-2	▼	A10S SDUCL-2	○	10	.625	.459	.850	10	
A12S SDUCR-3	▼	A12S SDUCL-3	○	10	.750	.554	.980	10	DCGT 32.51
A16T SDUCR-3	▼	A16T SDUCL-3	○	6	1	.750	1.500	12	

CARBIDE SHANKS (Series ANSI) with Alloy Steel Head

EVEREDE PART NUMBER				K	D1	F	D min.	L1	
RIGHT HAND	DS	LEFT HAND	DS	ANGLE	SHANK DIA	DIM	MIN BORE	OAL	INSERTS
C06M SDUCR-2	▼	C06M SDUCL-2	○	11	.375	.350	.600	6	DCGT 21.51
C08R SDUCR-2	▼	C08R SDUCL-2	○	11	.500	.429	.730	8	
C10S SDUCR-2	▼	C10S SDUCL-2	○	10	.625	.459	.850	10	
C12S SDUCR-3	▼	C12S SDUCL-3	○	10	.750	.554	.980	10	DCGT 32.51
C16T SDUCR-3	▼	C16T SDUCL-3	○	6	1	.750	1.500	12	

CARBIDE SHANKS (Series ANSI) with Alloy Steel Head Coolant Thru

EVEREDE PART NUMBER				K	D1	F	D min.	L1	
RIGHT HAND	DS	LEFT HAND	DS	ANGLE	SHANK DIA	DIM	MIN BORE	OAL	INSERTS
E06M SDUCR-2	▼	E06M SDUCL-2	○	11	.375	.350	.600	6	DCGT 21.51
E08R SDUCR-2	▼	E08R SDUCL-2	○	11	.500	.429	.730	8	
E10S SDUCR-2	▼	E10S SDUCL-2	○	10	.625	.459	.850	10	
E12S SDUCR-3	▼	E12S SDUCL-3	○	10	.750	.554	.980	10	DCGT 32.51
E16T SDUCR-3	▼	E16T SDUCL-3	○	6	1	.750	1.500	12	



Right hand shown

ALLOY STEEL SHANKS (Series ANSI)

EVEREDE PART NUMBER				K	D1	F	D min.	L1	
RIGHT HAND	DS	LEFT HAND	DS	ANGLE	SHANK DIA	DIM	MIN BORE	OAL	INSERTS
S03G STFDR-1.3	▼	S03G STFDL-1.3	O	---	.187	.134	.270	3.5	
S04H STFDR-1.3	▼	S04H STFDL-1.3	O	---	.250	.156	.300	4	TDHB 1.30.81
S05H STFDR-1.3	▼	S05H STFDL-1.3	O	---	.312	.187	.360	4	
S06M STFCR-2	▼	S06M STFCL-2	O	12	.375	.250	.480	6	TCGT 21.51
S08R STFCR-2	▼	S08R STFCL-2	O	12	.500	.312	.600	8	
S10S STFCR-2	▼	S10S STFCL-2	O	8	.625	.406	.770	10	TCGT 21.51
S10S STFCR-3	▼	S10S STFCL-3	O	11	.625	.406	.770	10	
S12S STFCR-3	▼	S12S STFCL-3	O	8	.750	.500	.930	10	TCGT 32.51
S16T STFCR-3	▼	S16T STFCL-3	O	6	1	.640	1.200	12	

ALLOY STEEL SHANKS (Series ANSI) with Coolant Thru

EVEREDE PART NUMBER				K	D1	F	D min.	L1	
RIGHT HAND	DS	LEFT HAND	DS	ANGLE	SHANK DIA	DIM	MIN BORE	OAL	INSERTS
A05H STFDR-1.3	▼	A05H STFDL-1.3	O	---	.312	.187	.360	4	TDHB 1.30.81
A06M STFCR-2	▼	A06M STFCL-2	O	12	.375	.250	.480	6	TCGT 21.51
A08R STFCR-2	▼	A08R STFCL-2	O	12	.500	.312	.600	8	
A10S STFCR-2	▼	A10S STFCL-2	O	8	.625	.406	.770	10	TCGT 21.51
A10S STFCR-3	▼	A10S STFCL-3	O	11	.625	.406	.770	10	
A12S STFCR-3	▼	A12S STFCL-3	O	8	.750	.500	.930	10	TCGT 32.51
A16T STFCR-3	▼	A16T STFCL-3	O	6	1	.640	1.200	12	

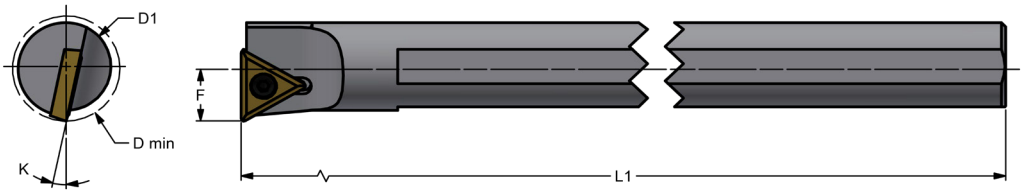
CARBIDE SHANKS (Series ANSI) with Alloy Steel Head

EVEREDE PART NUMBER				K	D1	F	D min.	L1	
RIGHT HAND	DS	LEFT HAND	DS	ANGLE	SHANK DIA	DIM	MIN BORE	OAL	INSERTS
C03H STFDR-1.3	▼	C03H STFDL-1.3	O	---	.187	.134	.270	4	
C04H STFDR-1.3	▼	C04H STFDL-1.3	O	---	.250	.156	.300	4	TDHB 1.30.81
C05H STFDR-1.3	▼	C05H STFDL-1.3	O	---	.312	.187	.360	4	
C06M STFCR-2	▼	C06M STFCL-2	O	12	.375	.250	.480	6	
C08J STFCR-2	▼	C08J STFCL-2	O	12	.500	.312	.600	4.5	TCGT 21.51
C08R STFCR-2	▼	C08R STFCL-2	O	12	.500	.312	.600	8	
C10Q STFCR-2	▼	C10Q STFCL-2	O	8	.625	.406	.770	7	TCGT 21.51
C10S STFCR-2	▼	C10S STFCL-2	O	8	.625	.406	.770	10	
C10Q STFCR-3	▼	C10Q STFCL-3	O	11	.625	.406	.770	7	
C10S STFCR-3	▼	C10S STFCL-3	O	11	.625	.406	.770	10	
C12Q STFCR-3	▼	C12Q STFCL-3	O	8	.750	.500	.930	7	TCGT 32.51
C12S STFCR-3	▼	C12S STFCL-3	O	8	.750	.500	.930	10	
C16R STFCR-3	▼	C16R STFCL-3	O	6	1	.640	1.200	8	
C16T STFCR-3	▼	C16T STFCL-3	O	6	1	.640	1.200	12	

O = EXPRESS DELIVERY
▼ = STOCK

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Bars With No "K" Angle Have No Flats.



Right hand shown

CARBIDE SHANKS (Series ANSI) with Alloy Steel Head Coolant Thru

EVEREDE PART NUMBER				K	D1	F	D min.	L1	
RIGHT HAND	DS	LEFT HAND	DS	ANGLE	SHANK DIA	DIM	MIN BORE	OAL	INSERTS
E03H STFDR-1.3	▼	E03H STFDL-1.3	O	---	.187	.134	.270	4	TDHB 1.30.81
E04H STFDR-1.3	▼	E04H STFDL-1.3	O	---	.250	.156	.300	4	
E05H STFDR-1.3	▼	E05H STFDL-1.3	O	---	.312	.187	.360	4	
E06M STFCR-2	▼	E06M STFCL-2	O	12	.375	.250	.480	6	TCGT 21.51
E08J STFCR-2	▼	E08J STFCL-2	O	12	.500	.312	.600	4.5	
E08R STFCR-2	▼	E08R STFCL-3	O	12	.500	.312	.600	8	
E08J STFCR-3	▼	E08J STFCL-3	O	14	.500	.312	.600	4.5	TCGT 32.51
E08R STFCR-3	▼	E08R STFCL-3	O	14	.500	.312	.600	8	
E10Q STFCR-2	▼	E10Q STFCL-2	O	8	.625	.406	.770	7	TCGT 21.51
E10S STFCR-2	▼	E10S STFCL-2	O	8	.625	.406	.770	10	
E10Q STFCR-3	▼	E10Q STFCL-3	O	11	.625	.406	.770	7	TCGT 32.51
E10S STFCR-3	▼	E10S STFCL-3	O	11	.625	.406	.770	10	
E12Q STFCR-3	▼	E12Q STFCL-3	O	8	.750	.500	.930	7	
E12S STFCR-3	▼	E12S STFCL-3	O	8	.750	.500	.930	10	
E16R STFCR-3	▼	E16R STFCL-3	O	6	1	.640	1.200	8	
E16T STFCR-3	▼	E16T STFCL-3	O	6	1	.640	1.200	12	



Right hand shown

ALLOY STEEL SHANKS (Series ANSI)

EVEREDE PART NUMBER				K	D1	F	D min.	L1	
RIGHT HAND	DS	LEFT HAND	DS	ANGLE	SHANK DIA	DIM	MIN BORE	OAL	INSERTS
S06M STFPR-2	▼	S06M STFPL-2	○	12	.375	.250	.480	6	TPGH 21.51
S08R STFPR-2	▼	S08R STFPL-2	○	12	.500	.312	.600	8	
S08R STFPR-3	▼	S08R STFPL-3	○	14	.500	.312	.600	8	TPGT 32.51
S10S STFPR-2	▼	S10S STFPL-2	○	8	.625	.406	.770	10	TPGH 21.51
S10S STFPR-3	▼	S10S STFPL-3	○	11	.625	.406	.770	10	
S12S STFPR-3	▼	S12S STFPL-3	○	8	.750	.500	.930	10	TPGT 32.51
S16T STFPR-3	▼	S16T STFPL-3	○	6	1	.640	1.200	12	

ALLOY STEEL SHANKS (Series ANSI) with Coolant Thru

EVEREDE PART NUMBER				K	D1	F	D min.	L1	
RIGHT HAND	DS	LEFT HAND	DS	ANGLE	SHANK DIA	DIM	MIN BORE	OAL	INSERTS
A06M STFPR-2	▼	A06M STFPL-2	○	12	.375	.250	.480	6	TPGH 21.51
A08R STFPR-2	▼	A08R STFPL-2	○	12	.500	.312	.600	8	
A08R STFPR-3	▼	A08R STFPL-3	○	14	.500	.312	.600	8	TPGT 32.51
A10S STFPR-2	▼	A10S STFPL-2	○	8	.625	.406	.770	10	TPGH 21.51
A10S STFPR-3	▼	A10S STFPL-3	○	11	.625	.406	.770	10	
A12S STFPR-3	▼	A12S STFPL-3	○	8	.750	.500	.930	10	TPGT 32.51
A16T STFPR-3	▼	A16T STFPL-3	○	6	1	.640	1.200	12	

CARBIDE SHANKS (Series ANSI) with Alloy Steel Head

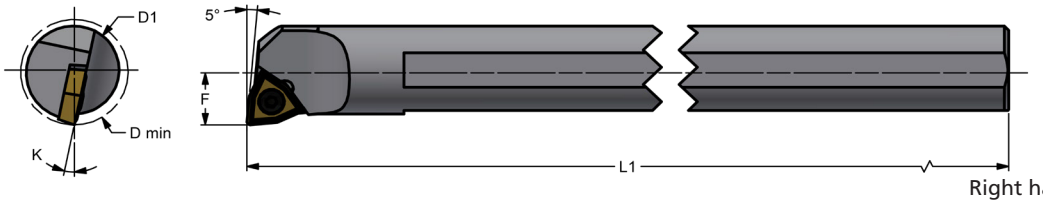
EVEREDE PART NUMBER				K	1	F	D min.	L1	
RIGHT HAND	DS	LEFT HAND	DS	ANGLE	SHANK DIA	DIM	MIN BORE	OAL	INSERTS
C06M STFPR-2	▼	C06M STFPL-2	○	12	.375	.250	.480	6	
C08J STFPR-2	▼	C08J STFPL-2	○	12	.500	.312	.600	4.5	TPGH 21.51
C08R STFPR-2	▼	C08R STFPL-2	○	12	.500	.312	.600	8	
C08J STFPR-3	▼	C08J STFPL-3	○	14	.500	.312	.600	4.5	TPGT 32.51
C08R STFPR-3	▼	C08R STFPL-3	○	14	.500	.312	.600	8	
C10Q STFPR-2	▼	C10Q STFPL-2	○	8	.625	.406	.770	7	TPGH 21.51
C10S STFPR-2	▼	C10S STFPL-2	○	8	.625	.406	.770	10	
C10Q STFPR-3	▼	C10Q STFPL-3	○	11	.625	.406	.770	7	
C10S STFPR-3	▼	C10S STFPL-3	○	11	.625	.406	.770	10	
C12Q STFPR-3	▼	C12Q STFPL-3	○	8	.750	.500	.930	7	TPGT 32.51
C12S STFPR-3	▼	C12S STFPL-3	○	8	.750	.500	.930	10	
C16R STFPR-3	▼	C16R STFPL-3	○	6	1	.640	1.200	8	
C16T STFPR-3	▼	C16T STFPL-3	○	6	1	.640	1.200	12	



Right hand shown

CARBIDE SHANKS (Series ANSI) with Alloy Steel Head Coolant Thru

EVEREDE PART NUMBER				K	d1	F	D min.	L1	
RIGHT HAND	DS	LEFT HAND	DS	ANGLE	SHANK DIA	DIM	MIN BORE	OAL	INSERTS
E06M STFPR-2	▼	E06M STFPL-2	O	12	.375	.250	.480	6	TPGH 21.51
E08J STFPR-2	▼	E08J STFPL-2	O	12	.500	.312	.600	4.5	
E08R STFPR-2	▼	E08R STFPL-2	O	12	.500	.312	.600	8	
E08J STFPR-3	▼	E08J STFPL-3	O	14	.500	.312	.600	4.5	TPGT 32.51
E08R STFPR-3	▼	E08R STFPL-3	O	14	.500	.312	.600	8	
E10Q STFPR-2	▼	E10Q STFPL-2	O	8	.625	.406	.770	7	TPGH 21.51
E10S STFPR-2	▼	E10S STFPL-2	O	8	.625	.406	.770	10	
E10Q STFPR-3	▼	E10Q STFPL-3	O	11	.625	.406	.770	7	TPGT 32.51
E10S STFPR-3	▼	E10S STFPL-3	O	11	.625	.406	.770	10	
E12Q STFPR-3	▼	E12Q STFPL-3	O	8	.750	.500	.930	7	
E12S STFPR-3	▼	E12S STFPL-3	O	8	.750	.500	.930	10	
E16R STFPR-3	▼	E16R STFPL-3	O	6	1	.640	1.200	8	
E16T STFPR-3	▼	E16T STFPL-3	O	6	1	.640	1.200	12	



Right hand shown

ALLOY STEEL SHANKS (Series ANSI)

EVEREDE PART NUMBER				K	D1	F	D min.	L1	
RIGHT HAND	DS	LEFT HAND	DS	ANGLE	SHANK DIA	DIM	MIN BORE	OAL	INSERTS
S03E SWLCR-1.2	▼	S03E SWLCL-1.2	○	20	.187	.115	.230	2.5	WCGT 1.211
S04H SWLCR-1.2	▼	S04H SWLCL-1.2	○	17	.250	.145	.290	4	
S05K SWLCR-1.5	▼	S05K SWLCL-1.5	○	17	.312	.180	.360	5	WCGT 1.51.51
S06M SWLCR-2	▼	S06M SWLCL-2	○	12	.375	.250	.480	6	WCGT 21.51
S08R SWLCR-2	▼	S08R SWLCL-2	○	12	.500	.312	.600	8	
S08R SWLCR-3	▼	S08R SWLCL-3	○	14	.500	.312	.600	8	WCGT 32.51
S10S SWLCR-2	▼	S10S SWLCL-2	○	11	.625	.406	.770	10	WCGT 21.51
S10S SWLCR-3	▼	S10S SWLCL-3	○	11	.625	.406	.770	10	WCGT 32.51
S12S SWLCR-3	▼	S12S SWLCL-3	○	8	.750	.500	.930	10	
S16T SWLCR-3	▼	S16T SWLCL-3	○	6	1	.640	1.200	12	

ALLOY STEEL SHANKS (Series ANSI) with Coolant Thru

EVEREDE PART NUMBER				K	D1	F	D min.	L1	
RIGHT HAND	DS	LEFT HAND	DS	ANGLE	SHANK DIA	DIM	MIN BORE	OAL	INSERTS
A05K SWLCR-1.5	▼	A05K SWLCL-1.5	○	17	.312	.180	.360	5	WCGT 1.51.51
A06M SWLCR-2	▼	A06M SWLCL-2	○	12	.375	.250	.480	6	WCGT 21.51
A08R SWLCR-2	▼	A08R SWLCL-2	○	12	.500	.312	.600	8	
A08R SWLCR-3	▼	A08R SWLCL-3	○	14	.500	.312	.600	8	WCGT 32.51
A10S SWLCR-2	▼	A10S SWLCL-2	○	11	.625	.406	.770	10	WCGT 21.51
A10S SWLCR-3	▼	A10S SWLCL-3	○	11	.625	.406	.770	10	WCGT 32.51
A12S SWLCR-3	▼	A12S SWLCL-3	○	8	.750	.500	.930	10	
A16T SWLCR-3	▼	A16T SWLCL-3	○	6	1	.640	1.200	12	

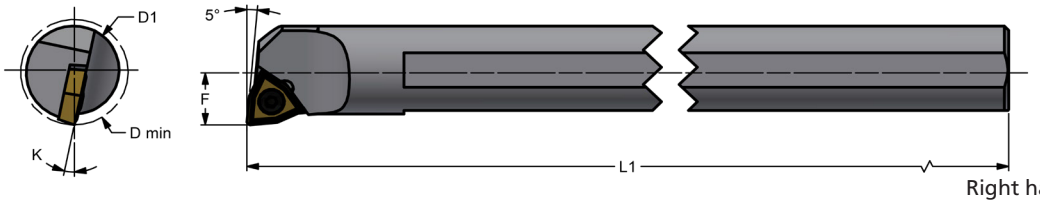
CARBIDE SHANKS (Series ANSI) with Alloy Steel Head

EVEREDE PART NUMBER				K	D1	F	D min.	L1	
RIGHT HAND	DS	LEFT HAND	DS	ANGLE	SHANK DIA	DIM	MIN BORE	OAL	INSERTS
C03H SWLCR-1.2	▼	C03H SWLCL-1.2	○	20	.187	.115	.230	4	WCGT 1.211
C04H SWLCR-1.2	▼	C04H SWLCL-1.2	○	17	.250	.145	.290	4	
C05M SWLCR-1.5	▼	C05M SWLCL-1.5	○	17	.312	.180	.360	6	WCGT 1.51.51
C06M SWLCR-2	▼	C06M SWLCL-2	○	12	.375	.250	.480	6	WCGT 21.51
C08J SWLCR-2	▼	C08J SWLCL-2	○	12	.500	.312	.600	4.5	
C08R SWLCR-2	▼	C08R SWLCL-2	○	12	.500	.312	.600	8	
C08J SWLCR-3	▼	C08J SWLCL-3	○	12	.500	.312	.600	4.5	WCGT 32.51
C08R SWLCR-3	▼	C08R SWLCL-3	○	12	.500	.312	.600	8	
C10Q SWLCR-2	▼	C10Q SWLCL-2	○	11	.625	.406	.770	7	WCGT 21.51
C10S SWLCR-2	▼	C10S SWLCL-2	○	11	.625	.406	.770	10	
C10Q SWLCR-3	▼	C10Q SWLCL-3	○	11	.625	.406	.770	7	WCGT 32.51
C10S SWLCR-3	▼	C10S SWLCL-3	○	11	.625	.406	.770	10	
C12Q SWLCR-3	▼	C12Q SWLCL-3	○	8	.750	.500	.930	7	
C12S SWLCR-3	▼	C12S SWLCL-3	○	8	.750	.500	.930	10	
C16R SWLCR-3	▼	C16R SWLCL-3	○	6	1	.640	1.200	8	
C16T SWLCR-3	▼	C16T SWLCL-3	○	6	1	.640	1.200	12	

○ = EXPRESS DELIVERY
▼ = STOCK

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Bars With No "K" Angle Have No Flats.



Right hand shown

CARBIDE SHANKS (Series ANSI) with Alloy Steel Head Coolant Thru

EVEREDE PART NUMBER				K	D1	F	D min.	L1	
RIGHT HAND	DS	LEFT HAND	DS	ANGLE	SHANK DIA	DIM	MIN BORE	OAL	INSERTS
E03H SWLCR-1.2	▼	E03H SWLCL-1.2	O	20	.187	.115	.230	4	WCGT 1.211
E04H SWLCR-1.2	▼	E04H SWLCL-1.2	O	17	.250	.145	.290	4	
E05M SWLCR-1.5	▼	E05M SWLCL-1.5	O	17	.312	.180	.360	6	WCGT-1.51.51
E06M SWLCR-2	▼	E06M SWLCL-2	O	12	.375	.250	.480	6	WCGT 21.51
E08J SWLCR-2	▼	E08J SWLCL-2	O	12	.500	.312	.600	4.5	
E08R SWLCR-2	▼	E08R SWLCL-2	O	12	.500	.312	.600	8	
E08J SWLCR-3	▼	E08J SWLCL-3	O	12	.500	.312	.600	4.5	WCGT 32.51
E08R SWLCR-3	▼	E08R SWLCL-3	O	12	.500	.312	.600	8	
E10Q SWLCR-2	▼	E10Q SWLCL-2	O	11	.625	.406	.770	7	WCGT 21.51
E10S SWLCR-2	▼	E10S SWLCL-2	O	11	.625	.406	.770	10	
E10Q SWLCR-3	▼	E10Q SWLCL-3	O	11	.625	.406	.770	7	WCGT 32.51
E10S SWLCR-3	▼	E10S SWLCL-3	O	11	.625	.406	.770	10	
E12Q SWLCR-3	▼	E12Q SWLCL-3	O	8	.750	.500	.930	7	
E12S SWLCR-3	▼	E12S SWLCL-3	O	8	.750	.500	.930	10	
E16R SWLCR-3	▼	E16R SWLCL-3	O	6	1	.640	1.200	8	
E16T SWLCR-3	▼	E16T SWLCL-3	O	6	1	.640	1.200	12	

O = EXPRESS DELIVERY
▼ = STOCK

Inserts p. 5 | Screws p. 57 | Wrenches p. 57 | Tech Pages p. 6-13

Bars With No “K” Angle Have No Flats.

C A 1 2 1 5 L C H - FØ

1. 2. 3. 4. 5.

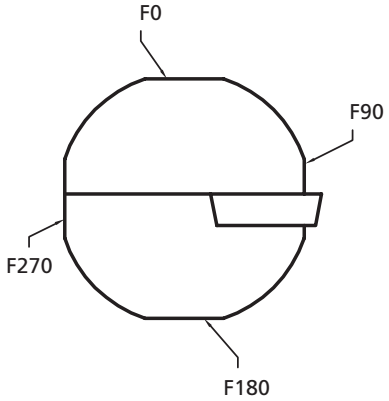
1. S = Steel
   C = Carbide
   H = Heavy Metal

2. A Series uses CD.. type inserts
   B Series uses TD.. type inserts
   C Series uses TP..2 type inserts
   D Series uses TP..3 type inserts
   E Series uses WCGT0
   F Series uses WCGT1
   G Series uses WCGT2
   H Series uses WCGT3

3. Add L to part number for left hand bar. Express delivery.

4. Add CH to part number for coolant hole. Coolant hole is available in all sizes of carbide bars and in steel bars beginning at 3/8". Heavy metal bars are available with coolant hole as *specials only*. Oversize shank carbide bars are available with coolant hole as *specials only.* Steel coolant and left hand bars are express delivery.

5. Straight shank boring bars in **Series A through D** may be used in collet holders and do not have flats. Flats may be ordered using the following identification*:



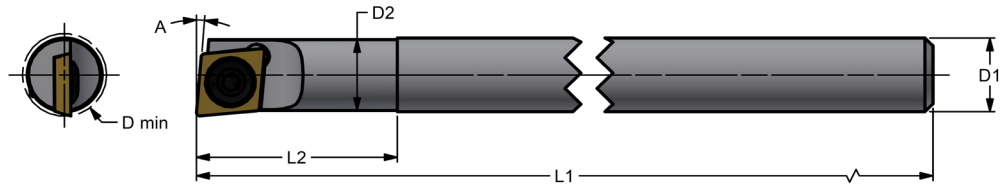
Front view of bar.

* Multiple flats may be ordered by combining identifications (e.g., F0F180). Flats are 2 day delivery.

NOTE: Use LEFT hand ground chipbreaker insert with RIGHT hand boring bars.
Use RIGHT hand ground chipbreaker insert with LEFT hand boring bars.

NOTE: METRIC SHANK BORING BARS ARE AVAILABLE, UPON REQUEST.

SERIES A
MINIMUM BORE
0.180 TO 0.356"



• All bars have 5° positive axial rake. • 5° angle bars for facing and through hole boring. • 0° angle for through hole boring and boring to shoulder.

ALLOY STEEL SHANKS (Series A)

EVEREDE PART NUMBER	A	D1	D2	D min.	L1	
	ANGLE	SHANK DIA	BAR DIA	MIN BORE	OAL	INSERTS
SA1000*	7	.187	.165	.180	2.500	CDCD or CDCC or CDCH
SA1005	5	.187	.180	.208	2.500	
SA1010	5	.187	.187	.230	2.500	
SA1015	0	.187	.187	.244	2.500	
SA1100	5	.250	.250	.290	3.000	
SA1105	0	.250	.250	.300	3.000	See Inserts page 2

* (L2)Bar Dia length is .500 *

CARBIDE SHANKS (Series A) with Alloy Steel Head

EVEREDE PART NUMBER	A	D1	D2	D min.	L1	
	ANGLE	BAR DIA	SHANK DIA	MIN BORE	OAL	INSERTS
CA1200	7	.165	.156	.180	4.000	CDCD or CDCC or CDCH
CA1205	5	.180	.187	.208	4.000	
CA1210	5	.180	.187	.208	6.000	
CA1215	5	.187	.187	.230	4.000	
CA1220	0	.187	.187	.244	4.000	
CA1225	5	.187	.187	.230	6.000	
CA1230	0	.187	.187	.244	6.000	
CA1300	5	.250	.250	.290	4.000	
CA1305	0	.250	.250	.300	4.000	
CA1310	5	.250	.250	.290	6.000	
CA1315	0	.250	.250	.300	6.000	
CA1330	5	.312	.312	.356	6.000	
CA1335	0	.312	.312	.356	6.000	See Inserts page 2

HEAVY METAL SHANKS (Series A)

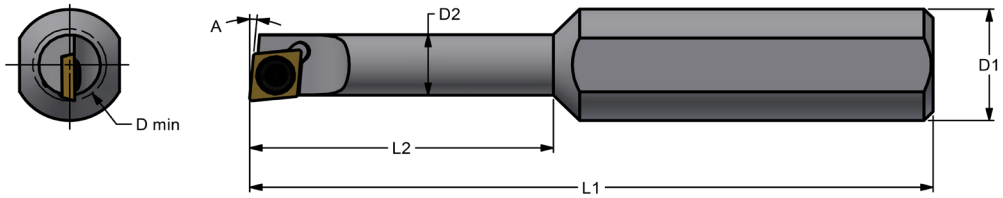
EVEREDE PART NUMBER	A	D1	D2	D min.	L1	
	ANGLE	BAR DIA	SHANK DIA	MIN BORE	OAL	INSERTS
HA1205	5	.180	.187	.208	4.000	CDCD or CDCC or CDCH
HA1215	5	.187	.187	.230	4.000	
HA1220	0	.187	.187	.244	4.000	
HA1300	5	.250	.250	.290	4.000	
HA1305	0	.250	.250	.300	4.000	
HA1310	5	.250	.250	.290	6.000	
HA1315	0	.250	.250	.300	6.000	See Inserts page 2

- Most bars are available left handed. Please add letter "L" after part number.
- Most bars are available coolant thru. Please add letter "CH" after part number.

Inserts p. 2 | Screws p. 57 | Wrenches p. 57 | Tech Pages 6-13

- **All bars can be ordered with flats.**
- **See "BORING BAR ORDERING INFORMATION" pg. 28 for details.**

SERIES A
MINIMUM BORE
0.208 TO 0.300"



• All bars have 5° positive axial rake. • 5° angle bars for facing and through hole boring. • 0° angle for through hole boring and boring to shoulder.

ALLOY STEEL SHANKS (Series A)

EVEREDE PART NUMBER	A	D1	D2	D min	L1	L2	
	ANGLE	SHANK DIA	BAR DIA	MIN BORE	OAL	BAR LENGTH	INSERTS
SA1400	5	.375	.180	.208	2.250	0.500	CDCD or CDCC or CDCH
SA1405	5	.375	.180	.208	2.250	1.000	
SA1410	5	.375	.203	.230	2.250	0.500	
SA1415	0	.375	.203	.244	2.250	0.500	
SA1420	5	.375	.203	.230	2.250	1.000	
SA1425	0	.375	.203	.244	2.250	1.000	
SA1430	5	.375	.250	.290	2.500	0.750	
SA1435	0	.375	.250	.300	2.500	0.750	
SA1440	5	.375	.250	.290	2.500	1.250	
SA1445	0	.375	.250	.300	2.500	1.250	
SA1600	5	.500	.180	.208	2.500	0.500	
SA1605	5	.500	.180	.208	2.500	1.000	
SA1610	5	.500	.203	.230	2.500	0.500	
SA1615	0	.500	.203	.244	2.500	0.500	
SA1620	5	.500	.203	.230	2.500	1.000	
SA1625	0	.500	.203	.244	2.500	1.000	
SA1630	5	.500	.250	.290	2.750	0.750	
SA1635	0	.500	.250	.300	0.750	0.750	
SA1640	5	.500	.250	.290	1.250	1.250	
SA1645	0	.500	.250	.300	1.250	1.250	

See Inserts page 2

CARBIDE BARS (Series A) with Alloy Steel Head and Shank

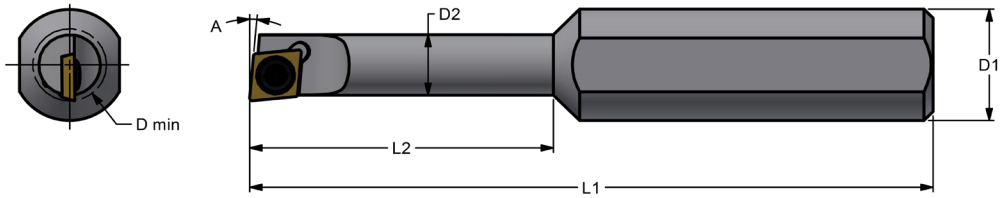
EVEREDE PART NUMBER	A	D1	D2	D min	L1	L2	
	ANGLE	BAR DIA	SHANK DIA	MIN BORE	OAL	BAR LENGTH	INSERTS
CA1700	5	.180	.500	.208	2.375	0.875	CDCD or CDCC or CDCH
CA1705	5	.180	.500	.208	3.375	1.875	
CA1710	5	.203	.500	.230	2.500	1.000	
CA1715	0	.203	.500	.244	2.500	1.000	
CA1720	5	.203	.500	.230	3.500	2.000	
CA1725	0	.203	.500	.244	3.500	2.000	
CA1730	5	.250	.500	.290	2.750	1.250	
CA1735	0	.250	.500	.300	2.750	1.250	
CA1740	5	.250	.500	.290	4.000	2.500	
CA1745	0	.250	.500	.300	4.000	2.500	

See Inserts page 2

- Most bars are available left handed. Please add letter "L" after part number.
- Most bars are available coolant thru. Please add letter "CH" after part number.

Inserts p. 2 | Screws p. 57 | Wrenches p. 57 | Tech Pages. 6-13

- Oversize shank carbide bars are NOT available with coolant hole.
- See "BORING BAR ORDERING INFORMATION" pg. 28 for details.



SERIES A
MINIMUM BORE
0.208 TO 0.300"

• All bars have 5° positive axial rake. • 5° angle bars for facing and through hole boring. • 0° angle for through hole boring and boring to shoulder.

CARBIDE BARS (Series A) with Alloy Steel Head and Shank

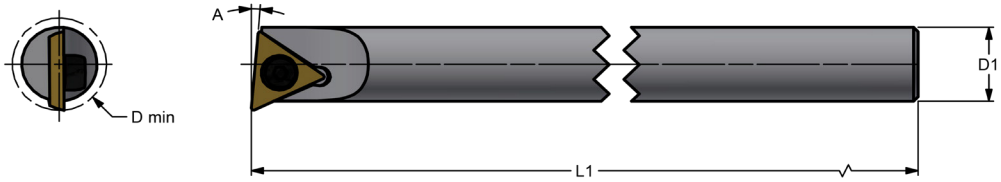
EVEREDE PART NUMBER	A	D1	D2	D min.	L1	L2	
	ANGLE	BAR DIA	SHANK DIA	MIN BORE	OAL	BAR LENGTH	INSERTS
CA1500	5	.180	.625	.208	3.875	0.875	CDCD or CDCC or CDCH
CA1505	5	.180	.625	.208	4.875	1.875	
CA1510	5	.203	.625	.230	4.000	1.000	
CA1515	0	.203	.625	.244	4.000	1.000	
CA1520	5	.203	.625	.230	5.000	2.000	
CA1525	0	.203	.625	.244	5.000	2.000	
CA1530	5	.250	.625	.290	4.000	1.250	
CA1535	0	.250	.625	.300	4.000	1.250	
CA1540	5	.250	.625	.290	5.250	2.500	
CA1545	0	.250	.625	.300	5.250	2.500	See Inserts page 2

- Most bars are available left handed. Please add letter "L" after part number.
- Most bars are available coolant thru. Please add letter "CH" after part number.

Inserts p. 2 | Screws p. 57 | Wrenches p. 57 | Tech Pages. 6-13

- Oversize shank carbide bars are NOT available with coolant hole.
- See "BORING BAR ORDERING INFORMATION" pg. 28 for details.

SERIES B
MINIMUM BORE
0.270 TO 0.360"



• All bars have 5° positive axial rake. • 5° angle bars for facing and through hole boring. • 0° angle for through hole boring and boring to shoulder.

ALLOY STEEL SHANKS (Series B)

EVEREDE PART NUMBER	A	D1	D2	D min.	L1	
	ANGLE	SHANK DIA	BAR DIA	MIN BORE	OAL	INSERTS
SB1800	5	.187	-	.270	3.500	TDAB or TDAC
SB1805	0	.187	-	.270	3.500	
SB2000	5	.250	-	.300	4.000	
SB2005	0	.250	-	.300	4.000	
SB2100	5	.312	-	.360	4.000	
SB2105	0	.312	-	.360	4.000	See Inserts page 3

CARBIDE SHANKS (Series B) with Alloy Steel Head

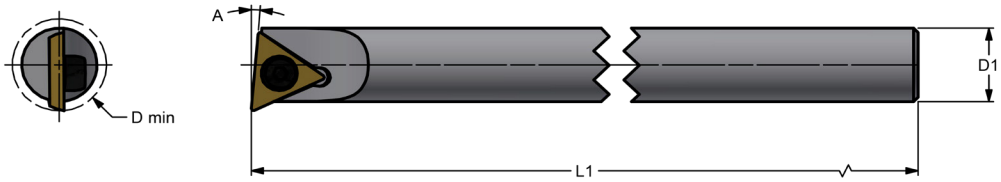
EVEREDE PART NUMBER	A	D1	D2	D min.	L1	
	ANGLE	SHANK DIA	BAR DIA	MIN BORE	OAL	INSERTS
CB1900	5	.187	-	.270	4.000	TDAB or TDAC
CB1905	0	.187	-	.270	4.000	
CB1910	5	.187	-	.270	6.000	
CB1915	0	.187	-	.270	6.000	
CB2200	5	.250	-	.300	4.000	
CB2205	0	.250	-	.300	4.000	
CB2210	5	.250	-	.300	6.000	
CB2215	0	.250	-	.300	6.000	
CB2300	5	.312	-	.360	4.000	
CB2305	0	.312	-	.360	4.000	
CB2310	5	.312	-	.360	6.000	
CB2315	0	.312	-	.360	6.000	See Inserts page 3

- Most bars are available left handed. Please add letter "L" after part number.
- Most bars are available coolant thru. Please add letter "CH" after part number.

Inserts p. 3 | Screws p. 57 | Wrenches p. 57 | Tech Pages. 6-13

- All bars can be ordered with flats.
- See "BORING BAR ORDERING INFORMATION" pg. 28 for details.

SERIES B
MINIMUM BORE
0.270 TO 0.360"



• All bars have 5° positive axial rake. • 5° angle bars for facing and through hole boring. • 0° angle for through hole boring and boring to shoulder.

HEAVY METAL SHANKS (Series B)

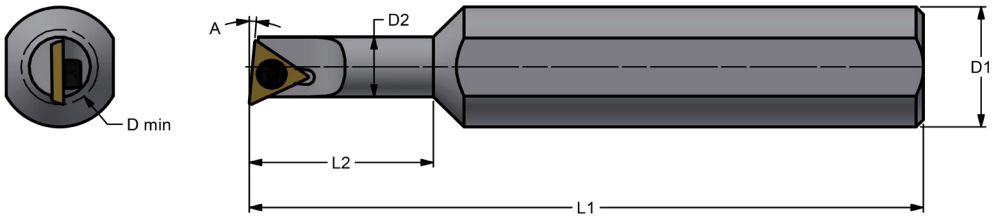
EVEREDE PART NUMBER	A	D1	D2	D min.	L1	
	ANGLE	SHANK DIA	BAR DIA	MIN BORE	OAL	INSERTS
HB1900	5	.187	-	.270	4.000	TDAB or TDAC
HB1905	0	.187	-	.270	4.000	
HB1910	5	.187	-	.270	6.000	
HB1915	0	.187	-	.270	6.000	
HB2200	5	.250	-	.300	4.000	
HB2205	0	.250	-	.300	4.000	
HB2210	5	.250	-	.300	6.000	
HB2215	0	.250	-	.300	6.000	
HB2300	5	.312	-	.360	4.000	
HB2305	0	.312	-	.360	4.000	
HB2310	5	.312	-	.360	6.000	
HB2315	0	.312	-	.360	6.000	See Inserts page 3

- Most bars are available left handed. Please add letter "L" after part number.
- Most bars are available coolant thru. Please add letter "CH" after part number.

Inserts p. 3 | Screws p. 57 | Wrenches p. 57 | Tech Pages. 6-13

- All bars can be ordered with flats.
- See "BORING BAR ORDERING INFORMATION" pg. 28 for details.

SERIES B
MINIMUM BORE
0.270 TO 0.360"



• All bars have 5° positive axial rake. • 5° angle bars for facing and through hole boring. • 0° angle for through hole boring and boring to shoulder.

ALLOY STEEL SHANKS (Series B)

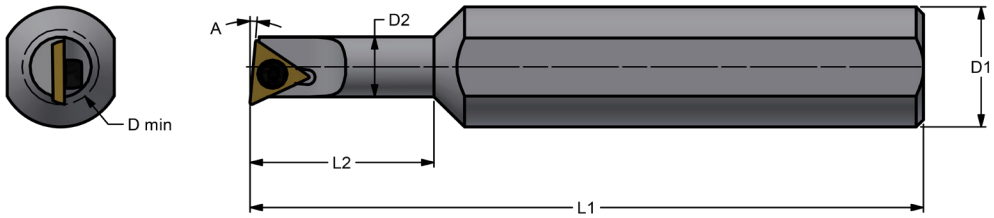
EVEREDE PART NUMBER	A	D1	D2	D min.	L1	L2	
	ANGLE	SHANK DIA	BAR DIA	MIN BORE	OAL	BAR LENGTH	INSERTS
SB2400	5	.500	.203	.270	2.500	.500	
SB2405	0	.500	.203	.270	2.500	.500	
SB2410	5	.500	.203	.270	2.500	1.000	
SB2415	0	.500	.203	.270	2.500	1.000	
SB2420	5	.500	.250	.300	2.750	.750	
SB2425	0	.500	.250	.300	2.750	.750	
SB2430	5	.500	.250	.300	2.750	1.250	
SB2435	0	.500	.250	.300	2.750	1.250	
SB2440	5	.500	.312	.360	3.000	1.000	
SB2445	0	.500	.312	.360	3.000	1.000	
SB2450	5	.500	.312	.360	3.000	1.500	
SB2455	0	.500	.312	.360	3.000	1.500	TDAB or TDAC
SB2500	5	.625	.203	.270	4.000	.500	
SB2505	0	.625	.203	.270	4.000	.500	
SB2510	5	.625	.203	.270	4.000	1.000	
SB2515	0	.625	.203	.270	4.000	1.000	
SB2520	5	.625	.250	.300	4.000	.750	
SB2525	0	.625	.250	.300	4.000	.750	
SB2530	5	.625	.250	.300	4.000	1.250	
SB2535	0	.625	.250	.300	4.000	1.250	
SB2540	5	.625	.312	.360	4.000	1.000	
SB2545	0	.625	.312	.360	4.000	1.000	
SB2550	5	.625	.312	.360	4.000	1.500	
SB2555	0	.625	.312	.360	4.000	1.500	See Inserts page 3

- Most bars are available left handed. Please add letter "L" after part number.
- Most bars are available coolant thru. Please add letter "CH" after part number.

Inserts p. 3 | Screws p. 57 | Wrenches p. 57 | Tech Pages. 6-13

- See "BORING BAR ORDERING INFORMATION" pg. 28 for details.

SERIES B
MINIMUM BORE
0.270 TO 0.360"



• All bars have 5° positive axial rake. • 5° angle bars for facing and through hole boring. • 0° angle for through hole boring and boring to shoulder.

CARBIDE BARS (Series B) with Alloy Steel Head and Shank

EVEREDE PART NUMBER	A	D1	D2	M	L1	L2	
	ANGLE	BAR DIA	SHANK DIA	MIN BORE	OAL	BAR LENGTH	INSERTS
CB2460	5	.203	.500	.270	2.500	1.000	TDAB or TDAC
CB2461	0	.203	.500	.270	2.500	1.000	
CB2462	5	.203	.500	.270	3.500	2.000	
CB2463	0	.203	.500	.270	3.500	2.000	
CB2464	5	.250	.500	.300	2.750	1.250	
CB2465	0	.250	.500	.300	2.750	1.250	
CB2466	5	.250	.500	.300	4.000	2.500	
CB2467	0	.250	.500	.300	4.000	2.500	
CB2468	5	.312	.500	.360	3.000	1.500	
CB2469	0	.312	.500	.360	3.000	1.500	
CB2470	5	.312	.500	.360	4.625	3.125	
CB2471	0	.312	.500	.360	4.625	3.125	
CB2600	5	.203	.625	.270	4.000	1.000	
CB2605	0	.203	.625	.270	4.000	1.000	
CB2610	5	.203	.625	.270	5.000	2.000	
CB2615	0	.203	.625	.270	5.000	2.000	
CB2620	5	.250	.625	.300	4.000	1.250	
CB2625	0	.250	.625	.300	4.000	1.250	
CB2630	5	.250	.625	.300	5.250	2.500	
CB2635	0	.250	.625	.300	5.250	2.500	
CB2640	5	.312	.625	.360	4.000	1.500	
CB2645	0	.312	.625	.360	4.000	1.500	
CB2650	5	.312	.625	.360	5.625	3.125	
CB2655	0	.312	.625	.360	5.625	3.125	

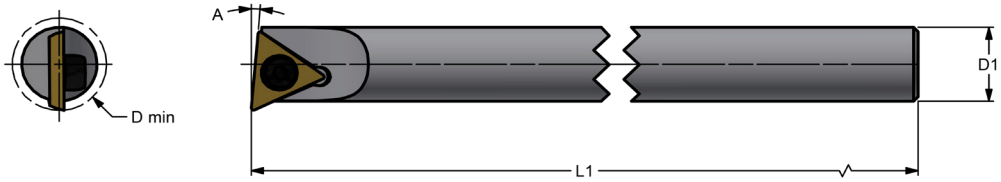
See Inserts page 3

- Most bars are available left handed. Please add letter "L" after part number.
- Most bars are available coolant thru. Please add letter "CH" after part number.

Inserts p. 3 | Screws p. 57 | Wrenches p. 57 | Tech Pages 6-13

- Oversize shank carbide bars are NOT available with coolant hole.
- See "BORING BAR ORDERING INFORMATION" pg. 28 for details.

SERIES C
MINIMUM BORE
0.438 TO 0.563"



• All bars have 5° positive axial rake. • 5° angle bars for facing and through hole boring. • 0° angle for through hole boring and boring to shoulder.

ALLOY STEEL SHANKS (Series C)

EVEREDE PART NUMBER	A	D1	D2	D min.	L1	
	ANGLE	SHANK DIA	BAR DIA	MIN BORE	OAL	INSERTS
SC2700	5°	.375	-	.438	5.000	TPGB-2 or TPGH-2 or TPGC-2
SC2705	0°	.375	-	.438	5.000	
SC2800	5°	.500	-	.563	6.000	
SC2805	0°	.500	-	.563	6.000	

See Inserts page 3

CARBIDE SHANKS (Series C) with Alloy Steel Head

EVEREDE PART NUMBER	A	D1	D2	D min.	L1	
	ANGLE	SHANK DIA	BAR DIA	MIN BORE	OAL	INSERTS
CC2900	5°	.375	-	.438	6.000	TPGB-2 or TPGH-2 or TPGC-2
CC2905	0°	.375	-	.438	6.000	
CC2910	5°	.375	-	.438	10.000	
CC2915	0°	.375	-	.438	10.000	
CC3000	5°	.500	-	.563	8.000	
CC3005	0°	.500	-	.563	8.000	
CC3010	5°	.500	-	.563	10.000	
CC3015	0°	.500	-	.563	10.000	

See Inserts page 3

HEAVY METAL SHANKS (Series C)

EVEREDE PART NUMBER	A	D1	D2	D min.	L1	
	ANGLE	SHANK DIA	BAR DIA	MIN BORE	OAL	INSERTS
HC2900	5°	.375	-	.438	6.000	TPGB-2 or TPGH-2 or TPGC-2
HC2905	0°	.375	-	.438	6.000	
HC2910	5°	.375	-	.438	10.000	
HC2915	0°	.375	-	.438	10.000	
HC3000	5°	.500	-	.563	6.000	
HC3005	0°	.500	-	.563	6.000	
HC3010	5°	.500	-	.563	10.000	
HC3015	0°	.500	-	.563	10.000	

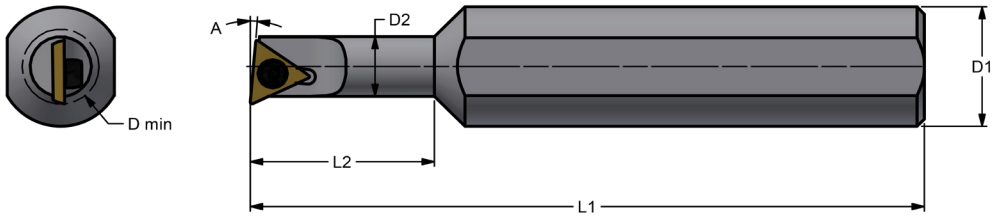
See Inserts page 3

- Most bars are available left handed. Please add letter "L" after part number.
- Most bars are available coolant thru. Please add letter "CH" after part number.

Inserts p. 3 | Screws p. 57 | Wrenches p. 57 | Tech Pages. 6-13

- All bars can be ordered with flats.
- See "BORING BAR ORDERING INFORMATION" pg. 28 for details.

SERIES C
MINIMUM BORE
0.438 TO 0.688"



• All bars have 5° positive axial rake. • 5° angle bars for facing and through hole boring. • 0° angle for through hole boring and boring to shoulder.

ALLOY STEEL SHANKS (Series C)

EVEREDE PART NUMBER	A	D1	D2	D min.	L2	L1	
	ANGLE	SHANK DIA	BAR DIA	MIN BORE	BAR LENGTH	OAL	INSERTS
SC3020	5°	.500	.375	.438	1.125	4.000	TPGB-2 or TPGH-2 or TPGC-2
SC3025	0°	.500	.375	.438	1.125	4.000	
SC3030	5°	.500	.375	.438	1.875	4.000	
SC3035	0°	.500	.375	.438	1.875	4.000	
SC3040	5°	.625	.375	.438	1.125	3.750	
SC3045	0°	.625	.375	.438	1.125	3.750	
SC3050	5°	.625	.375	.438	1.875	3.750	
SC3055	0°	.625	.375	.438	1.875	3.750	
SC3060	5°	.625	.500	.563	1.500	4.250	
SC3065	0°	.625	.500	.563	1.500	4.250	
SC3070	5°	.625	.500	.563	2.500	4.250	
SC3075	0°	.625	.500	.563	2.500	4.250	
SC3080	5°	.750	.375	.438	1.500	4.000	
SC3085	0°	.750	.375	.438	1.500	4.000	
SC3090	5°	.750	.625	.688	2.500	4.500	
SC3095	0°	.750	.625	.688	2.500	4.500	

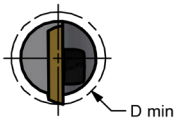
See Inserts page 3

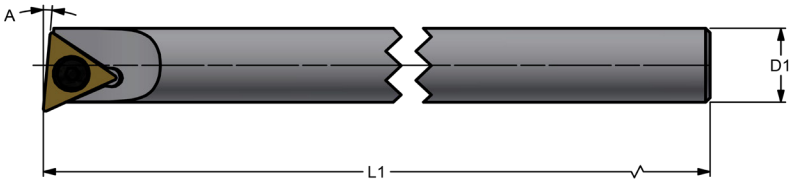
- Most bars are available left handed. Please add letter "L" after part number.
- Most bars are available coolant thru. Please add letter "CH" after part number.

Inserts p. 3 | Screws p. 57 | Wrenches p. 57 | Tech Pages. 6-13

- See "BORING BAR ORDERING INFORMATION" pg. 28 for details.

SERIES D
MINIMUM BORE
0.625 TO 1.344"





• All bars have 5° positive axial rake. • 5° angle bars for facing and through hole boring. • 0° angle for through hole boring and boring to shoulder.

ALLOY STEEL SHANKS (Series D)

EVEREDE PART NUMBER	A	D1	D2	D min.	L1	
	ANGLE	SHANK DIA	BAR DIA	MIN BORE	OAL	INSERTS
SD3100	5	.500	-	.625	2.500	TPGB-3 or TPGH-3 or TPGC-3
SD3105	0	.500	-	.625	2.500	
SD3400	5	.500	-	.625	6.000	
SD3405	0	.500	-	.625	6.000	
SD3110	5	.625	-	.719	4.000	
SD3115	0	.625	-	.719	4.000	
SD3500	5	.625	-	.719	7.000	
SD3505	0	.625	-	.719	7.000	
SD3200	5	.750	-	.844	4.000	
SD3205	0	.750	-	.844	4.000	
SD3600	5	.750	-	.844	8.000	
SD3605	0	.750	-	.844	8.000	
SD3300	5	1.000	-	1.094	5.000	
SD3305	0	1.000	-	1.094	5.000	
SD3700	5	1.000	-	1.094	10.000	
SD3705	0	1.000	-	1.094	10.000	
SD3800	5	1.250	-	1.344	12.000	
SD3805	0	1.250	-	1.344	12.000	

See Inserts page 4

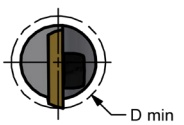
- Most bars are available left handed. Please add letter "L" after part number.
- Most bars are available coolant thru. Please add letter "CH" after part number.

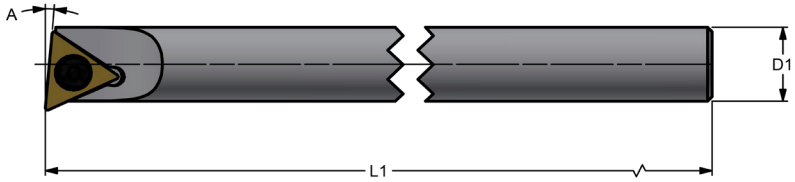
Inserts p. 4 | Screws p. 57 | Wrenches p. 57 | Tech Pages. 6-13

- All bars can be ordered with flats.
- See "BORING BAR ORDERING INFORMATION" pg. 29 for details.

SERIES D

MINIMUM BORE
0.719 TO 1.094"





• All bars have 5° positive axial rake. • 5° angle bars for facing and through hole boring. • 0° angle for through hole boring and boring to shoulder.

CARBIDE SHANKS (Series D) with Alloy Steel Head

EVEREDE PART NUMBER	A	D1	D2	D min.	L1	
	ANGLE	SHANK DIA	BAR DIA	MIN BORE	OAL	INSERTS
CD3900	5	.625	-	.719	6.000	TPGB-3 or TPGH-3 or TPGC-3
CD3905	0	.625	-	.719	6.000	
CD3910	5	.625	-	.719	10.000	
CD3915	0	.625	-	.719	10.000	
CD4000	5	.750	-	.844	6.000	
CD4005	0	.750	-	.844	6.000	
CD4010	5	.750	-	.844	10.000	
CD4015	0	.750	-	.844	10.000	
CD4100	5	1.000	-	1.094	6.000	
CD4105	0	1.000	-	1.094	6.000	
CD4110	5	1.000	-	1.094	12.000	
CD4115	0	1.000	-	1.094	12.000	

See Inserts page 4

HEAVY METAL SHANKS (Series D)

EVEREDE PART NUMBER	A	D1	D2	D min.	L1	
	ANGLE	SHANK DIA	BAR DIA	MIN BORE	OAL	INSERTS
HD3900	5	.625	-	.719	6.000	TPGB-3 or TPGH-3 or TPGC-3
HD3905	0	.625	-	.719	6.000	
HD3910	5	.625	-	.719	10.000	
HD3915	0	.625	-	.719	10.000	
HD4000	5	.750	-	.844	6.000	
HD4005	0	.750	-	.844	6.000	
HD4010	5	.750	-	.844	10.000	
HD4015	0	.750	-	.844	10.000	
HD4100*	5	1.000	-	1.094	6.000	
HD4105*	0	1.000	-	1.094	6.000	
HD4110*	5	1.000	-	1.094	12.000	
HD4115*	0	1.000	-	1.094	12.000	

See Inserts page 4

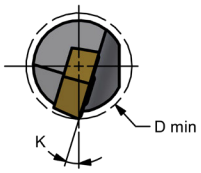
*Quote upon request.

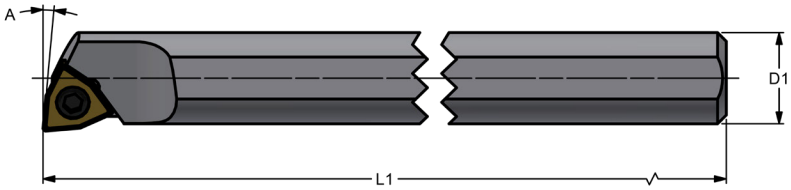
- Most bars are available left handed. Please add letter "L" after part number.
- Most bars are available coolant thru. Please add letter "CH" after part number.

Inserts p. 4 | Screws p. 57 | Wrenches p. 57 | Tech Pages. 6-13

- All bars can be ordered with flats.
- See "BORING BAR ORDERING INFORMATION" pg. 28 for details.

SERIES E
MINIMUM BORE
0.230 TO 0.300"





• Bars come with flat as shown. • 5° angle bars for facing and through hole boring. • 0° angle for through hole boring and boring to shoulder.

ALLOY STEEL SHANKS (Series E)

EVEREDE PART NUMBER	A ANGLE	K ANGLE	D1 SHANK DIA	D min. MIN BORE	L1 OAL	INSERTS
SE5010	5°	20°	.187	.230	2.500	WCGT-0
SE5015	0°	20°	.187	.244	2.500	
SE6000	5°	17°	.250	.300	4.000	
SE6005	0°	17°	.250	.300	4.000	

See Inserts page 5

CARBIDE SHANKS (Series E) with Alloy Steel Head

EVEREDE PART NUMBER	A ANGLE	K ANGLE	D1 SHANK DIA	D min. MIN BORE	L1 OAL	INSERTS
CE5215	5°	20°	.187	.230	4.000	WCGT-0
CE5220	0°	20°	.187	.244	4.000	
CE5225	5°	20°	.187	.230	6.000	
CE5230	0°	20°	.187	.244	6.000	
CE5300	5°	17°	.250	.290	4.000	
CE5305	0°	17°	.250	.300	4.000	
CE5310	5°	17°	.250	.290	6.000	
CE5315	0°	17°	.250	.300	6.000	

See Inserts page 5

HEAVY METAL SHANKS (Series E)

EVEREDE PART NUMBER	A ANGLE	K ANGLE	D1 SHANK DIA	D min. MIN BORE	L1 OAL	INSERTS
HE5215	5°	20°	.187	.230	4.000	WCGT-0
HE5220	0°	20°	.187	.244	4.000	
HE5300	5°	17°	.250	.290	4.000	
HE5305	0°	17°	.250	.300	4.000	
HE5310	5°	17°	.250	.290	6.000	
HE5315	0°	17°	.250	.300	6.000	

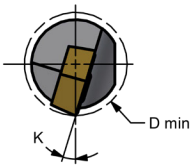
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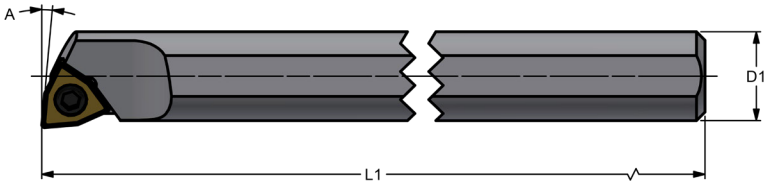
- Most bars are available left handed. Please add letter "L" after part number.
- Most bars are available coolant thru. Please add letter "CH" after part number.

Inserts p. 5 | Screws p. 57 | Wrenches p. 57 | Tech Pages. 6-13

- See "BORING BAR ORDERING INFORMATION" pg. 28 for details.

SERIES F
MINIMUM BORE
0.360"





• Bars come with flat as shown. • 5° angle bars for facing and through hole boring. • 0° angle for through hole boring and boring to shoulder.

ALLOY STEEL SHANKS (Series F)

EVEREDE PART NUMBER	A ANGLE	K ANGLE	D1 SHANK DIA	D min. MIN BORE	L1 OAL	INSERTS
SF6100	5°	17°	.312	.360	4.000	WCGT-1
SF6105	0°	17°	.312	.360	4.000	See Inserts page 5

CARBIDE SHANKS (Series F) with Alloy Steel Head

EVEREDE PART NUMBER	A ANGLE	K ANGLE	D1 SHANK DIA	D min. MIN BORE	L1 OAL	INSERTS
CF6300	5°	17°	.312	.360	4.000	WCGT-1
CF6305	0°	17°	.312	.360	4.000	
CF6310	5°	17°	.312	.360	6.000	
CF6315	0°	17°	.312	.360	6.000	See Inserts page 5

HEAVY METAL SHANKS (Series F)

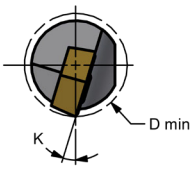
EVEREDE PART NUMBER	A ANGLE	K ANGLE	D1 SHANK DIA	D min. MIN BORE	L1 OAL	INSERTS
HF6300	5°	17°	.312	.360	4.000	WCGT-1
HF6305	0°	17°	.312	.360	4.000	
HF6310	5°	17°	.312	.360	6.000	
HF6315	0°	17°	.312	.360	6.000	See Inserts page 5

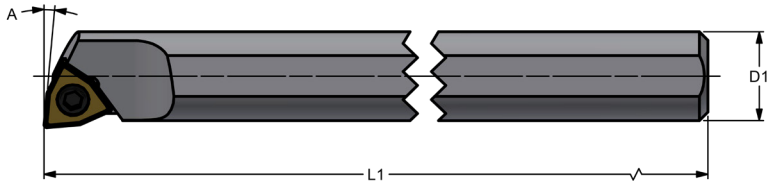
- Most bars are available left handed. Please add letter "L" after part number.
- Most bars are available coolant thru. Please add letter "CH" after part number.

Inserts p. 5 | Screws p. 57 | Wrenches p. 57 | Tech Pages. 6-13

- See "BORING BAR ORDERING INFORMATION" pg. 28 for details.

SERIES G
MINIMUM BORE
0.438 TO 0.563"





• Bars come with flat as shown. • 5° angle bars for facing and through hole boring. • 0° angle for through hole boring and boring to shoulder.

ALLOY STEEL SHANKS (Series G)

EVEREDE PART NUMBER	A ANGLE	K ANGLE	D1 SHANK DIA	D min. MIN BORE	L1 OAL	INSERTS
SG6700	5°	12°	.375	.438	5.000	WCGT-2
SG6705	0°	12°	.375	.438	5.000	
SG6800	5°	10°	.500	.563	6.000	
SG6805	0°	10°	.500	.563	6.000	

See Inserts page 5

CARBIDE SHANKS (Series G) with Alloy Steel Head

EVEREDE PART NUMBER	A ANGLE	K ANGLE	D1 SHANK DIA	D min. MIN BORE	L1 OAL	INSERTS
CG6900	5°	12°	.375	.438	6.000	WCGT-2
CG6905	0°	12°	.375	.438	6.000	
CG6910	5°	12°	.375	.438	10.000	
CG6915	0°	12°	.375	.438	10.000	
CG7000	5°	10°	.500	.563	6.000	
CG7005	0°	10°	.500	.563	6.000	
CG7010	5°	10°	.500	.563	10.000	
CG7015	0°	10°	.500	.563	10.000	

See Inserts page 5

HEAVY METAL SHANKS (Series G)

EVEREDE PART NUMBER	A ANGLE	K ANGLE	D1 SHANK DIA	D min. MIN BORE	L1 OAL	INSERTS
HG6900	5°	12°	.375	0.438	6.000	WCGT-2
HG6905	0°	12°	.375	0.438	6.000	
HG6910	5°	12°	.375	0.438	10.000	
HG6915	0°	12°	.375	0.438	10.000	
HG7000	5°	10°	.500	0.563	6.000	
HG7005	0°	10°	.500	0.563	6.000	
HG7010	5°	10°	.500	0.563	10.000	
HG7015	0°	10°	.500	0.563	10.000	

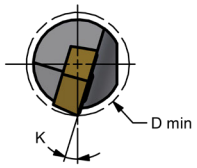
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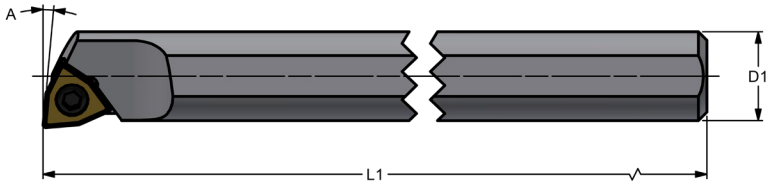
- Most bars are available left handed. Please add letter "L" after part number.
- Most bars are available coolant thru. Please add letter "CH" after part number.

Inserts p. 5 | Screws p. 57 | Wrenches p. 57 | Tech Pages. 6-13

- See "BORING BAR ORDERING INFORMATION" pg. 28 for details.

SERIES H
MINIMUM BORE
0.625 TO 1.094"





• Bars come with flat as shown. • 5° angle bars for facing and through hole boring. • 0° angle for through hole boring and boring to shoulder.

ALLOY STEEL SHANKS (Series H)

EVEREDE PART NUMBER	A ANGLE	K ANGLE	D2 BAR DIA	D min. MIN BORE	L1 OAL	INSERTS
SH7100	5°	14°	.500	.625	2.500	WCGT-3
SH7105	0°	14°	.500	.625	2.500	
SH7400	5°	14°	.500	.625	6.000	
SH7405	0°	14°	.500	.625	6.000	
SH7110	5°	12°	.625	.719	4.000	
SH7115	0°	12°	.625	.719	4.000	
SH7500	5°	12°	.625	.719	7.000	
SH7505	0°	12°	.625	.719	7.000	
SH7200	5°	10°	.750	.844	4.000	
SH7205	0°	10°	.750	.844	4.000	
SH7600	5°	10°	.750	.844	8.000	
SH7605	0°	10°	.750	.844	8.000	
SH7300	5°	8°	1.000	1.094	5.000	
SH7305	0°	8°	1.000	1.094	5.000	
SH7700	5°	8°	1.000	1.094	10.000	
SH7705	0°	8°	1.000	1.094	10.000	
SH7800	5°	6°	1.250	1.344	12.000	
SH7805	0°	6°	1.250	1.344	12.000	

See Inserts page 5

CARBIDE SHANKS (Series H) with Alloy Steel Head

EVEREDE PART NUMBER	A ANGLE	K ANGLE	D2 SHANK DIA	D min. MIN BORE	L1 OAL	INSERTS
CH7900	5°	12°	.625	.719	6.000	WCGT-3
CH7905	0°	12°	.625	.719	6.000	
CH7910	5°	12°	.625	.719	10.000	
CH7915	0°	12°	.625	.719	10.000	
CH8000	5°	10°	.750	.844	6.000	
CH8005	0°	10°	.750	.844	6.000	
CH8010	5°	10°	.750	.844	10.000	
CH8015	0°	10°	.750	.844	10.000	
CH8100	5°	8°	1.000	1.094	6.000	
CH8105	0°	8°	1.000	1.094	6.000	
CH8110	5°	8°	1.000	1.094	12.000	
CH8115	0°	8°	1.000	1.094	12.000	

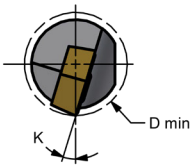
See Inserts page 5

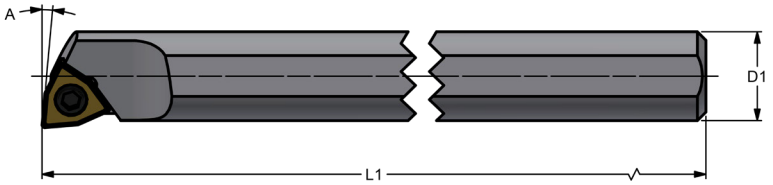
- Most bars are available left handed. Please add letter "L" after part number.
- Most bars are available coolant thru. Please add letter "CH" after part number.

Inserts p. 5 | Screws p. 57 | Wrenches p. 57 | Tech Pages. 6-13

- See "BORING BAR ORDERING INFORMATION" pg. 28 for details.

SERIES H
MINIMUM BORE
0.719 TO 1.094"





• Bars come with flat as shown. • 5° angle bars for facing and through hole boring. • 0° angle for through hole boring and boring to shoulder.

HEAVY METAL SHANKS (Series H)

EVEREDE PART NUMBER	A	K	D1	D min.	L1	
	ANGLE	ANGLE	SHANK DIA	MIN BORE	OAL	INSERTS
HH7900	5°	12°	.625	0.719	6.000	WCGT-3
HH7905	0°	12°	.625	0.719	6.000	
HH7910	5°	12°	.625	0.719	10.000	
HH7915	0°	12°	.625	0.719	10.000	
HH8000	5°	10°	.750	0.844	6.000	
HH8005	0°	10°	.750	0.844	6.000	
HH8010	5°	10°	.750	0.844	10.000	
HH8015	0°	10°	.750	0.844	10.000	
HH8100	5°	8°	1.000	1.094	6.000	
HH8105	0°	8°	1.000	1.094	6.000	
HH8110	5°	8°	1.000	1.094	12.000	
HH8115	0°	8°	1.000	1.094	12.000	

See Inserts page 5

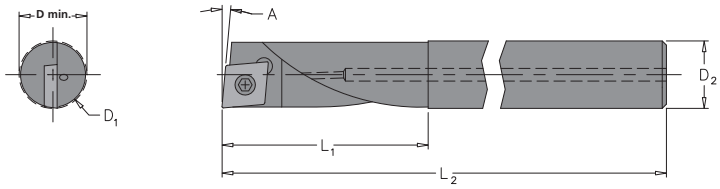
- Most bars are available left handed. Please add letter "L" after part number.
- Most bars are available coolant thru. Please add letter "CH" after part number.

Inserts p. 5 | Screws p. 57 | Wrenches p. 57 | Tech Pages. 6-13

- See "BORING BAR ORDERING INFORMATION" pg. 28 for details.

SPIRAL FLUTED
SERIES FL
MINIMUM BORE
0.312 TO 1.000"

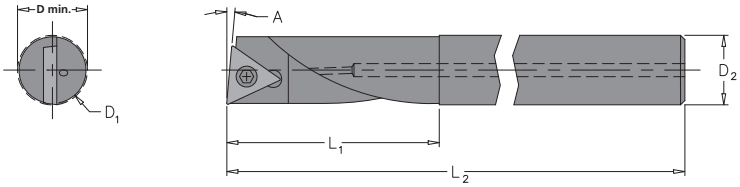
OUTGOING PRODUCT
Available while supplies last



Closely related min bore/bar diameter.
Enhanced chip evacuation.
Better rigidity. Better tool life.
Coolant through standard.

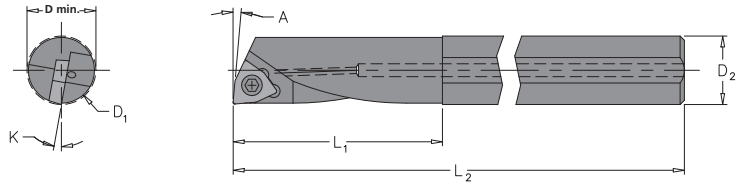
SOLID HEAVY METAL SHANKS (Series FL)

EVEREDE PART NUMBER	A/K	D1	D2	D min.	L1	L2	
	LEAD	BAR DIA	SHANK	MIN BORE	FLUTE LENGTH	OAL	INSERTS
HA1160CH-FL	5°	.230	.250	.260	1.000	3.000	CDCC or CDCD or CDCH See Inserts page 2



Closely related min bore/bar diameter.
Enhanced chip evacuation.
Better rigidity. Better tool life.
Coolant through standard.

EVEREDE PART NUMBER	A/K	D1	D2	D min.	L1	L2	
	LEAD	BAR DIA	SHANK	MIN BORE	FLUTE LENGTH	OAL	INSERTS
HB1250CH-FL	5°	.292	.312	.312	1.250	3.000	TDAB or TDAC See Inserts page 3
HB1260CH-FL	5°	.355	.375	.375	1.500	4.000	
HC1350CH-FL	5°	.480	.500	.500	2.000	4.000	TPGB-2 or TPGC-2 or TPGH-2 See Inserts page 3
HC1360CH-FL	5°	.605	.625	.625	2.500	6.000	

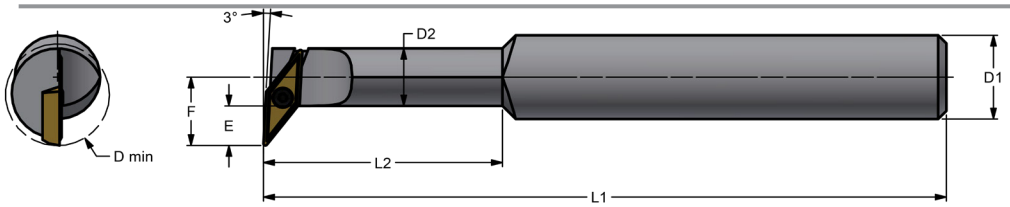


Closely related min bore/bar diameter.
Enhanced chip evacuation.
Better rigidity. Better tool life.
Coolant through standard.

EVEREDE PART NUMBER	A/K	D1	D2	D min.	L1	L2	
	LEAD	BAR DIA	SHANK	MIN BORE	FLUTE LENGTH	OAL	INSERTS
HE5050CH-FL*	5°	.200	.250	.220	.880	3.000	WCGT-0 See Inserts page 5
HE5060CH-FL*	5°	.230	.250	.250	1.000	3.000	
HE5070CH-FL*	5°	.292	.312	.312	1.250	3.000	
HG6050CH-FL*	5°	.355	.375	.375	1.500	4.000	WCGT-2 See Inserts page 5
HH7050CH-FL*	5°	.605	.625	.625	2.500	6.000	WCGT-3 See Inserts page 5

Inserts pgs. 2-5 | Screws p. 57 | Wrenches p. 57 | Tech Pages. 6-13

* Bars have flats as standard.



SERIES PB
MINIMUM BORE
0.520 TO 1.100 "

• Left-hand bars use left-hand inserts. • Right-hand bars use right-hand inserts. • Right hand bars are shown.

ALLOY STEEL SHANKS (Series PB)

EVEREDE PART NUMBER	D1 SHANK	D2 BAR DIA	D min. MIN BORE	L1 OAL	L2 BAR LENGTH	E INSERT OVERHANG	F CENTER OFFSET	INSERTS
SPB2100R	.625	.438	.760	5.000	1.750	.292	.511	VPGT-2
SPB2110R	.750	.563	.880	5.000	2.250	.292	.573	
SPB2120R	1.000	.688	1.100	5.000	2.750	.292	.636	

See Inserts page 4

Screw #19035 Wrench #19552

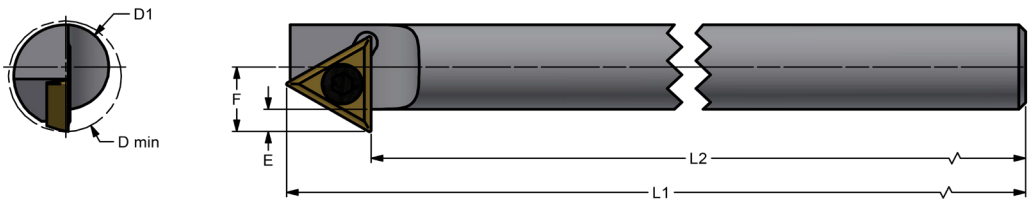
· For Left-handed bars, replace "R" at end of part number with "L".

Inserts pgs. 4-5 | Screws p. 57 | Wrenches p. 57 | Tech Pages. 6-13

REVERSE BORING BARS

SERIES RCH

MINIMUM BORE
0.394 TO 0.909"



ALLOY STEEL SHANKS (Series RCH)

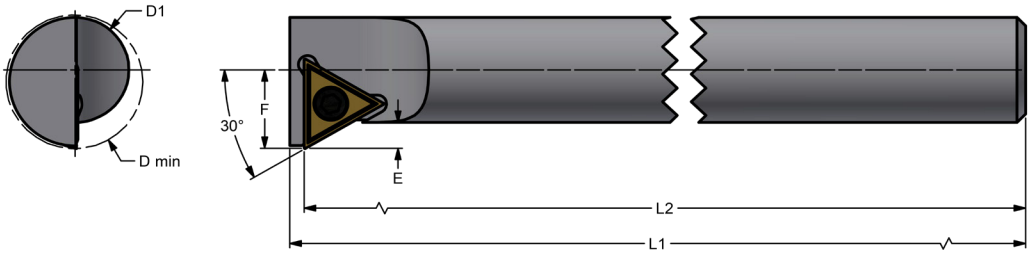
EVEREDE PART NUMBER	D1 SHANK DIAMETER	D min. MINIMUM BORE	L1 OAL	L2 LENGTH	E INSERT OVERHANG	F CENTER OFFSET	INSERTS
SRCH1000	.312	.394	3.720	3.500	.062	.223	TDAB See Inserts page 3
SRCH1010	.375	.492	4.850	4.500	.092	.287	TPGB2 & TPGH2 See Inserts page 3
SRCH1020	.500	.645	5.350	5.000	.125	.380	
SRCH1030	.625	.909	5.540	5.000	.264	.581	TPGH3 & TPGB3 See Inserts pages 4

REVERSE CHAMFER BARS

SERIES RCH

30° ANGLE

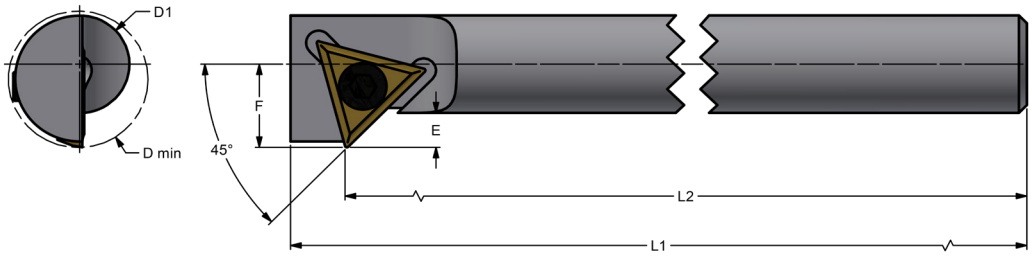
MINIMUM BORE
0.407 TO 1.205"



ALLOY STEEL SHANKS (Series RCH)

EVEREDE PART NUMBER	D1 SHANK DIAMETER	D min. MINIMUM BORE	L1 OAL	L2 LENGTH	E INSERT OVERHANG	F CENTER OFFSET	INSERTS
SRCH1100	.312	.407	3.600	3.500	.075	.236	TDAB See Inserts page 3
SRCH1110	.375	.525	5.100	5.000	.125	.320	TPGB2 & TPGH2 See Inserts page 3
SRCH1120	.500	.645	6.100	6.000	.125	.380	
SRCH1130	.625	.827	7.100	7.000	.182	.499	TPGH3 & TPGB3 See Inserts pages 4
SRCH1140	.750	.955	8.100	8.000	.182	.562	
SRCH1150	1.000	1.205	10.100	10.000	.182	.687	

REVERSE CHAMFER BARS

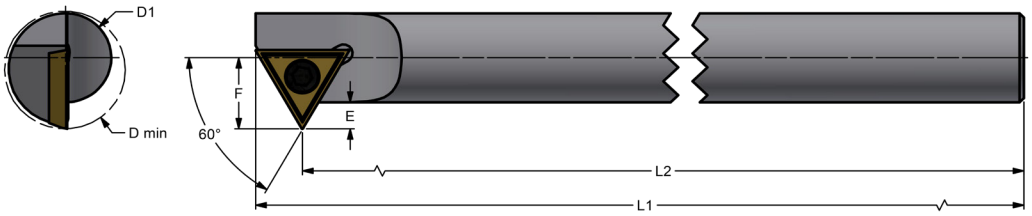


SERIES RCH
45° ANGLE
MINIMUM BORE
0.525 TO 1.205"

ALLOY STEEL SHANKS (Series RCH)

EVEREDE PART NUMBER	D1 SHANK DIAMETER	D min. MINIMUM BORE	L1 OAL	L2 LENGTH	E INSERT OVERHANG	F CENTER OFFSET	INSERTS
SRCH1200	.312	.407	3.620	3.500	.075	.236	TDAB See Inserts page 3
SRCH1210	.375	.525	5.250	5.000	.125	.320	TPGB2 & TPGH2 See Inserts page 3
SRCH1220	.500	.827	6.200	6.000	.125	.380	
SRCH1230	.625	.909	7.760	7.000	.182	.499	TPGH3 & TPGB3 See Inserts pages 4
SRCH1240	.750	.955	6.250	8.000	.182	.562	
SRCH1250	1.000	1.205	10.260	10.000	.182	.687	

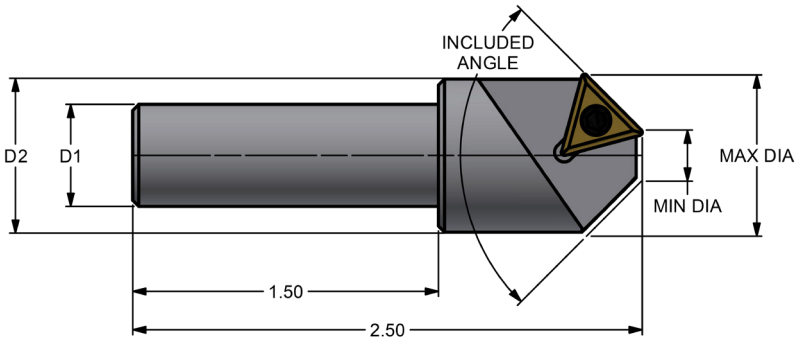
REVERSE CHAMFER BARS



SERIES RCH
60° ANGLE
MINIMUM BORE
0.407 TO 1.205"

ALLOY STEEL SHANKS (Series RCH)

EVEREDE PART NUMBER	D1 SHANK DIAMETER	D min. MINIMUM BORE	L1 OAL	L2 LENGTH	E INSERT OVERHANG	F CENTER OFFSET	INSERTS
SRCH1300	.312	.407	3.630	3.500	.075	.236	TDAB See Inserts page 3
SRCH1310	.375	.525	5.210	5.000	.125	.320	TPGB2 & TPGH2 See Inserts page 3
SRCH1320	.500	.645	6.210	6.000	.125	.380	
SRCH1330	.625	.827	7.320	7.000	.182	.499	TPGH3 & TPGB3 See Inserts pages 4
SRCH1340	.750	.955	8.320	8.000	.182	.562	
SRCH1350	1.000	1.205	10.320	10.000	.182	.687	



• Inserts sold seperately. • For use in variable speed machines.

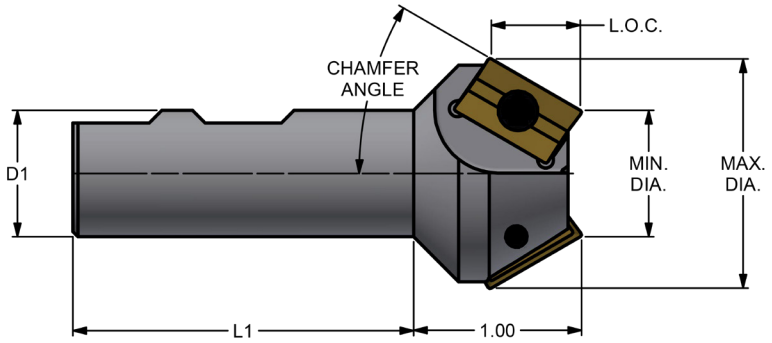
COUNTERSINKS WITH STRAIGHT SHANKS (Series IND)

EVEREDE PART NUMBER	INCLUDED ANGLE	D2 BODY DIAMETER	D1 SHANK DIAMETER	MAXIMUM DIAMETER	MINIMUM DIAMETER	INSERT
IND-15-6-125	60°	1/2	3/8	.463	.125	TPGH-215 See Inserts page 3
IND-16-8-125	82°	5/8	3/8	.583		
IND-16-9-125	90°	5/8	3/8	.621		
IND-17-1-125	100°	3/4	1/2	.719		
IND-18-2-125	120°	7/8	1/2	.741		
IND-18-3-125	130°	7/8	1/2	.771		
IND-16-6-250	60°	5/8	3/8	.588	.250	
IND-17-8-250	82°	3/4	1/2	.708		
IND-17-9-250	90°	3/4	1/2	.746		
IND-18-1-250	100°	7/8	1/2	.844		
IND-19-2-250	120°	1	1/2	.866		
IND-19-3-250	130°	1	1/2	.896		
IND-17-6-375	60°	3/4	1/2	.713	.375	
IND-18-8-375	82°	7/8	1/2	.833		
IND-18-9-375	90°	7/8	1/2	.871		
IND-19-1-375	100°	1	1/2	.969		
IND-11.1-2-375	120°	1-1/8	1/2	.991		
IND-11.1-3-375	130°	1-1/8	1/2	1.021		
IND-18-6-500	60°	7/8	1/2	.838	.500	
IND-19-8-500	82°	1	1/2	.958		
IND-11.1-9-500	90°	1-1/8	1/2	.996		
IND-11.1-1-500	100°	1-1/8	1/2	1.094		
IND-11.2-2-500	120°	1-1/4	1/2	1.116		
IND-11.2-3-500	130°	1-1/4	1/2	1.145		

· Metric sizes available.
· Sets are available. See page 14.

Inserts p. 3 | Screws p. 57 | Wrenches p. 57 | Tech Pages. 6-13

· Special angles available. See custom tooling at www.everede.net



Inserts sold separately.

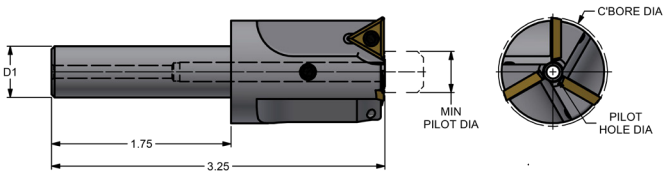
CHAMFERMILLS WITH WELDON SHANKS (Series CHM)

EVEREDE PART NUMBER	MIN DIA	MAX DIA	D1 SHANK DIA	L1	CHAMMFER 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		

· Metric sizes available.
· Sets are available. See page 57.

Inserts p. 2 | Screws p. 57 | Wrenches p. 57 | Tech Pages. 6-13

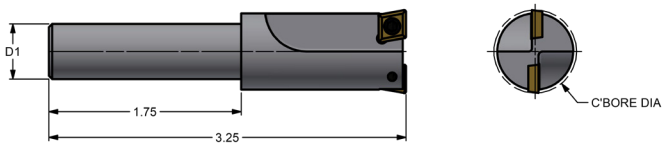
· Special angles available. See custom tooling at www.everede.net



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)

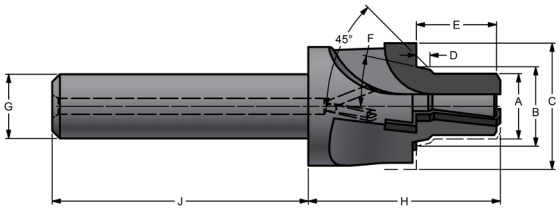
EVEREDE PART NUMBER	COUNTERBORE DIAMETER	D1 "SHANK DIAMETER"	MIN PILOT DIAMETER	PILOT HOLE DIAMETER	INSERT
INCB-1.000-188S	1	1/2	.214	3/16	TPGH-215 See Inserts page 3
INCB-1.062-188S	1-1/16	1/2	.276	3/16	
INCB-1.125-188S	1-1/8	1/2	.337	3/16	
INCB-1.188-188S	1-3/16	1/2	.402	3/16	
INCB-1.250-312S	1-1/4	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)

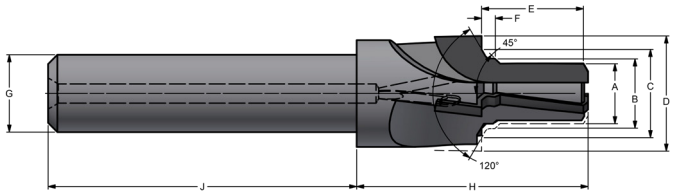
EVEREDE PART NUMBER	COUNTERBORE DIAMETER	MINIMUM CUT DIAMETER	INSERT
INCB-625S	5/8	.148	CCGT-21.51 See Inserts page 2
INCB-688S	11/16	.211	
INCB-750S	3/4	.273	
INCB-812S	13/16	.335	
INCB-875S	7/8	.398	
INCB-938S	15/16	.461	



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

MATERIAL APPLICATIONS RECOMMENDATIONS FOR INDEXABLE PORT CONTOUR CUTTERS

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.

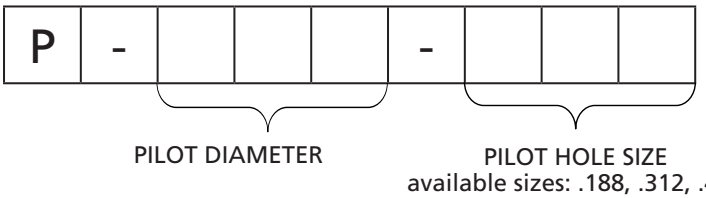
Inserts pgs. 2-5 | Screws p. 57 | Wrenches p. 57 | Tech Pages. 6-13

HARDWARE

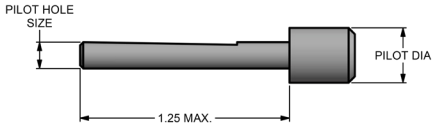
HOLDER SERIES	INSERT	TORX SCREW	SCREW DESCRIPTION	TORX WRENCH
A FL	CDCD CDCC CDCH	19501 Screw	1-72 OVAL X .090 LG.-T6	19551 Wrench
B FL RCH	TDAB TDAC	19503 Screw	2-56 OVAL X .110 LG. -T7	19552 Wrench
C FL	TPGB-2 TPGC-2	19504 Screw	4-40 OVAL X .250 LG. -T8	19553 Wrench
C	TPGH-2	19506 Screw	4-40 X .250 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.0. 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

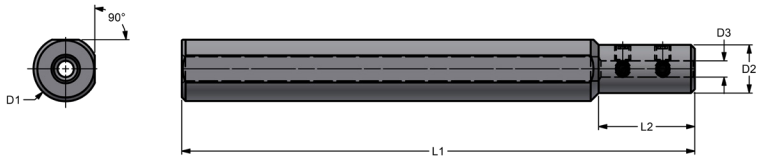
PILOT



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.

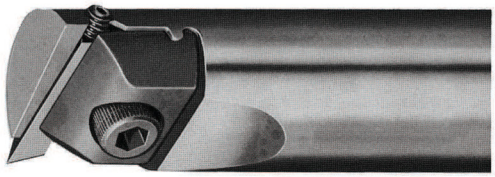


EVEREDE® Lathe Boring Bars without adjusting screws are especially designed for Engine Lathes

LATHE BARS

TOOL BIT SIZE	BAR DIAMETER	LENGTH	BAR PART NO.
5/32	11/32 x 2*	6	220
	3/8	7	225
	7/16	7 5/8	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



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

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 ℄ 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.	REFERENCE: BORING BAR HOLDER NO.
200	11/32, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 7/8, 1	3300	3030
200-A	11/32, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 1	3300-A	3030
200-B	11/32, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4	3200-B	3020
		3300-A	3030
200-C	3/8, 1/2, 5/8, 3/4, 1	3300-C	3030
200-D	11/32, 7/16, 9/16, 5/8, 1	3300-D	3030
200-E	7/16, 9/16, 5/8, 1	3300-E	3030
200-F	3/8, 1/2, 5/8, 3/4	3200-F	3020
		3300-C	3030

PRODUCTION BAR SETS

SET NO.	BAR DIAMETERS INCLUDED	REFERENCE: BUSHING SET NO.	REFERENCE: 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
300-B	5/16, 3/8M, 7/16, 1/2, 9/16, 5/8, 3/4	3200-A	3070
		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
300-F	3/8M, 1/2, 5/8, 3/4	3200-F	3070
		3300-C	3080

MIDGET BORING BAR SET

All Shank Dia. 3/8"



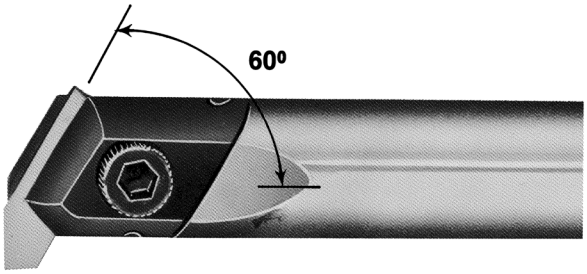
TOOL BIT SIZE	SET NO.	BAR DIA.	BAR LENGTH	OAL	BAR PART NO.
7/64	100	7/32	1 7/16	6	105
		17/64	1 5/8	6	110
		5/16	1 3/4	6	115
		3/8M	—	6	125

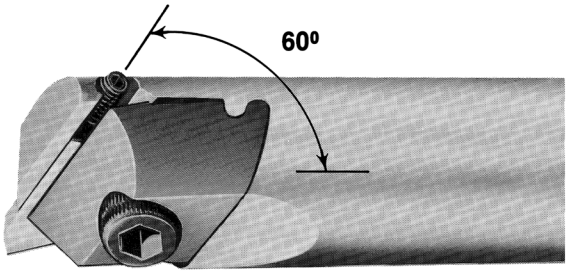
100 SET INCLUDES 9210 BOX

REF: TOOL ANGLE 75° TO ℄ 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

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
	1	12	1565
5/16	1 1/8 *	15	1570
	1 1/4 *	17	1575
	1 3/8 *	19	1580
	1 1/2 *	22	1585

* Obsolete Items

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

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
	1	12	1665
5/16	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.

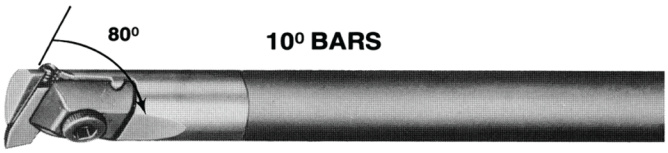
Solid Carbide Boring Bars

1500 - 1600 Series Nos.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

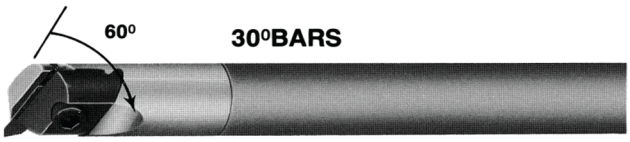
Boring bars with solid carbide shanks have a modulus of elasticity three times stiffer than a steel bar, eliminating taper in bored holes due to deflection of the boring bar.

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



10° BARS

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.



30°BARS

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 ℄ of Bar

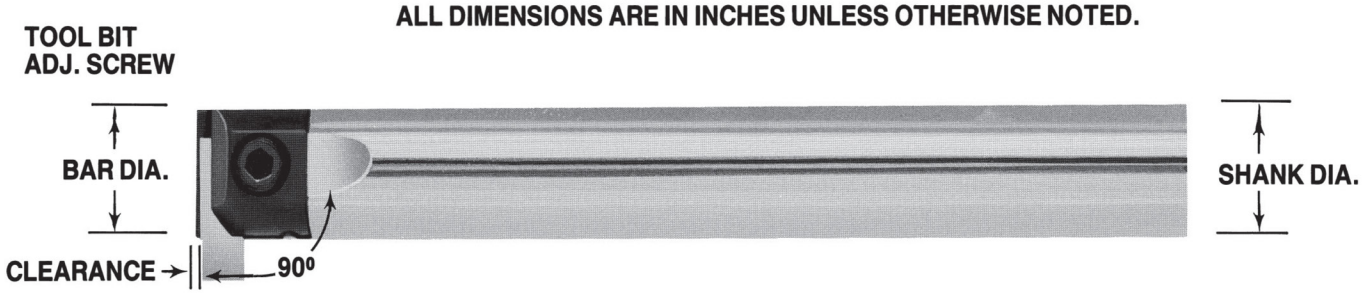
***REF: Tool Angle 60° to ℄ of Bar

✻ 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
7/64	1305	3/8	7/32	1 7/16	6	3/32	NO	20005*	5/16	25020	7/16
	1310	3/8	17/64	1 5/8	6	3/32	NO	20010*	3/8	25020	7/16
	1315	3/8	5/16	1 3/4	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
5/32	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
1/4	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	1 1/8

* Obsolete Items

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

TOOL BIT SPECIALS: SEND US YOUR REQUIREMENTS

PRICES & DELIVERY FURNISHED ON REQUEST



SNAP RING | RAD. GROOVE | STEP GROOVE | O-RING & CHAMF. | DOVETAIL

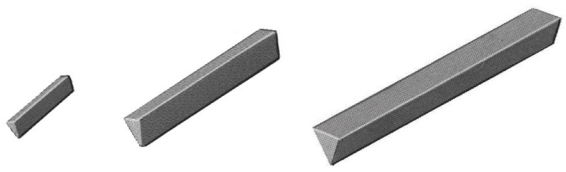
SINGLE or DOUBLE END: TYPICAL TOOL BIT SHAPES THAT CAN BE FURNISHED

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

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

		LATHE BARS				PRODUCTION BARS			
		HIGH SPEED STEEL		SOLID CARBIDE*		HIGH SPEED STEEL		SOLID CARBIDE*	
TOOL BIT SIZE	FOR BORING BAR DIAMETERS	LENGTH	TOOL BIT PART NO.	LENGTH	TOOL BIT PART NO.	LENGTH	TOOL BIT PART NO.	LENGTH	TOOL BIT PART NO.
7/64	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
5/32	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	3	20180	—	—	—	—	—	—
	Lathe Ext. Bar	5	20190	—	—	—	—	—	—
1/4	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
5/16	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
7/16	1 3/4	2 1/4	20430	2	25427				
	460 Bar	2 1/4	20430	2	25427				
	475 Bar	3	20445	3	25447				

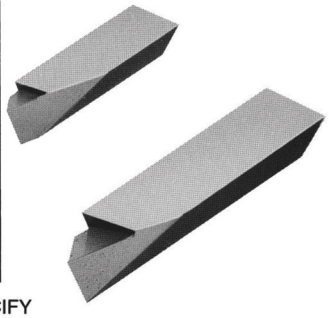
* Obsolete Items



PLEASE ORDER BY TOOL BIT NUMBER

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

		HIGH SPEED STEEL		SOLID CARBIDE*	
TOOL BIT SIZE	FOR BORING BAR DIAMETERS	LENGTH	TOOL BIT PART NO.	LENGTH	TOOL BIT PART NO.
7/64	7/32 Thru 3/8 Midget	1/2	20021	7/16	25021
5/32	11/32 Thru 9/16	9/16	20111	1/2	25111
1/4	5/8 Thru 1	15/16	20211	7/8	25211
5/16	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 1½″ diameter inclusive.

Reduce insert inventory. Just 4 sizes are necessary to provide cutting edges for all boring bar diameters in this 7/32″ to 1½″ 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.

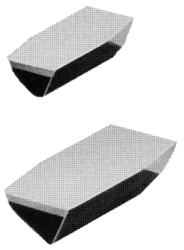
Increase productivity. Now you can economically bore at high-velocity speeds. Both ends of the tool bits are pre-sharpened.

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

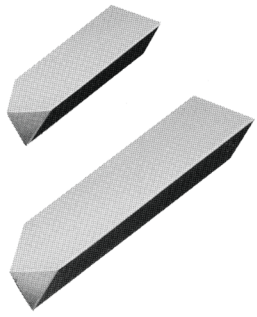
TOOL BIT SIZE	FOR BORING BAR DIAMETERS	10° & 15° BAR TOOL BIT LENGTH	10° & 15° BAR TOOL BIT PART NO.
7/64 ▼	7/32, 17/64, 5/16, & 3/8 M	1/4	25005
5/32 ▼	11/32, 3/8, 7/16, 1/2, & 9/16	5/16	25115
1/4 * ▼	5/8, 3/4, 7/8, 15/16, & 1	1/2	25235
5/16 * ▼	1 1/8, 1 1/4, 1 3/8, & 1 1/2	9/16	25345



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	20012	15/32	25012
5/32 ▼	3/8, 7/16, 1/2 & 9/16 DIA.	9/16	20112	15/32	25112
1/4 ▼	5/8, 3/4, 7/8 & 1 DIA.	15/16	20212	7/8	25212
5/16 ▼	1 1/8 1 1/4, 1 3/8 & 1 1/2 DIA.	1 1/16	20312	1 3/8	25312



*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)

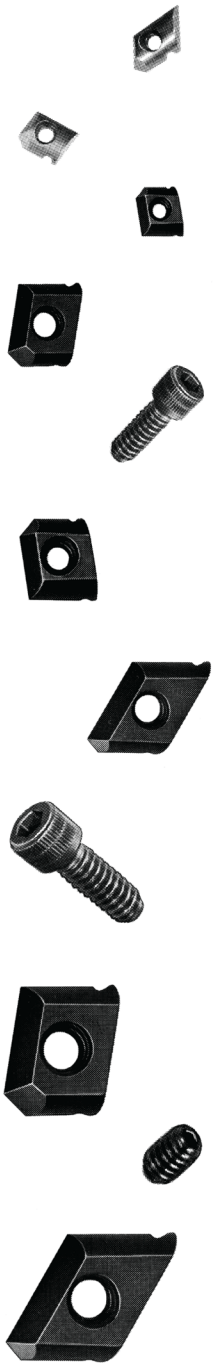
GRADE C2 ⟷ GENERAL PURPOSE — TOUGHNESS — PRECISION BORING — WEAR — GRADE C4

To Machine:
Steel & Steel Alloys or Other Ferrous Metals
Ferritic & Martensitic Stainless Steel (Type 400 - Magnetic)

GRADE C6 ⟷ GENERAL PURPOSE — TOUGHNESS — PRECISION BORING — WEAR — GRADE C8

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

TOOL ANGLE* ℄ BAR					FOR PRODUCTION TYPE BARS ONLY
BORING BAR DIAMETER	**CAPS OR CLAMPS FOR MIDGET & 10⁰ & 15⁰ BARS**	**CAPS OR CLAMPS FOR 30⁰ BARS**	**CAPS OR CLAMPS FOR 90⁰ BARS**	**SOC. HD. CAP SCR. OR CLAMP SCREW**	**TOOL BIT ADJUSTMENT SCREW**
	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 75⁰ to ℄ of Bar
10⁰ & 15⁰ BARS (Lathe, Offset, Jig and Prod.) — Clamp Bit at 80⁰ to ℄ of Bar
30⁰ BARS (Lathe and Jig) — Clamp Bit at 60⁰ to ℄ of Bar
90⁰ BARS — Clamp Bit at 90⁰ to ℄ 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

EVEREDE TOOL COMPANY

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