

# REDUCED NECK MINI BORING BARS

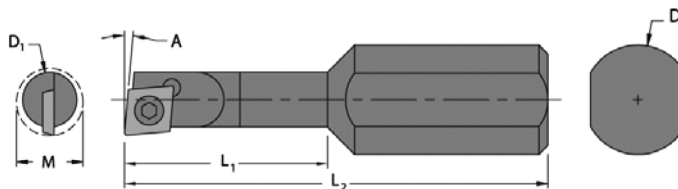
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## REDUCED NECK BORING BARS

Using Diamond Shaped CDCD Inserts



- Minimum bore:
  - .290 - 7° lead angle
  - .208 - 5° lead angle
  - .230 - 5° lead angle
- Uses CDCD type inserts
- Shanks have locating flats for easy set-up
- Available in steel, heavy metal or carbide shanks
- See following page for inserts
- **Made in the USA**



LATHE CHUCKS  
LIVE CENTERS

WISE JAWS  
WISE ACCESSORIES

STRAIGHT SHANK  
COLLET HOLDERS

TAP HOLDERS  
DRILL CHUCKS

CARBIDE INSERTS  
THREADING/GROOVING

CUTTING TOOLS  
MACHINERY

PRECISION TOOLS  
DEBURRING

COOLANT/FLUIDS  
TOOL STORAGE

Min Bore	Shank Dia D2	Boring Depth L1	OAL L2	Steel Shank-4xD		Heavy Metal-6xD		Carbide Shank-8xD		Screws	Wrench
				Part Number	Price	Part Number	Price	Part Number	Price		
.180	0.156	-	4.00	-	-	BBC-3000R	\$135.00	-	-	19501 \$3.00	TX-206 \$6.50
	0.187	0.500	2.50	BBC-1010R	\$72.00	-	-	-	-		
	0.500	0.500	2.50	BBC-1015R	\$72.00	-	-	-	-		
	0.625	0.500	2.50	BBC-1020R	\$72.00	-	-	-	-		
	0.500	1.000	2.50	-	-	BBC-3025R	\$156.00	-	-		
	0.625	1.000	2.50	-	-	BBC-3030R	\$178.00	-	-		
.208	0.187	-	2.50	BBC-1045R	\$72.00	-	-	-	-		
			4.00	-	-	BBC-3050R	\$110.00	BBC-5050R	\$129.00		
	0.375	0.500	2.50	BBC-1060R	\$72.00	-	-	-	-		
	0.500	0.500	2.75	BBC-1065R	\$72.00	-	-	-	-		
	0.625	0.500	2.75	BBC-1070R	\$72.00	-	-	-	-		
	0.375	1.000	2.50	BBC-1075R	\$72.00	-	-	-	-		
	0.500	1.000	2.75	BBC-1080R	\$72.00	-	-	-	-		
	0.625	1.000	2.75	BBC-1085R	\$72.00	-	-	-	-		
	0.500	1.250	4.00	-	-	BBC-3090R	\$203.00	-	-		
	0.625	1.250	4.00	-	-	BBC-3095R	\$203.00	-	-		
.230	0.187	-	2.50	BBC-1110R	\$72.00	-	-	-	-		
			4.00	-	-	BBC-3115R	\$110.00	BBC-5115R	\$129.00		
	0.375	0.500	2.50	BBC-1125R	\$72.00	-	-	-	-		
	0.500	0.500	2.75	BBC-1130R	\$72.00	-	-	-	-		
	0.625	0.500	2.75	BBC-1135R	\$72.00	-	-	-	-		
	0.375	1.000	2.50	BBC-1140R	\$72.00	-	-	-	-		
	0.500	1.000	2.75	BBC-1145R	\$72.00	-	-	-	-		
	0.625	1.000	2.75	BBC-1150R	\$72.00	-	-	-	-		
	0.500	1.500	4.00	-	-	BBC-3155R	\$203.00	-	-		
	0.625	1.500	4.00	-	-	BBC-3160R	\$303.00	-	-		
	0.500	2.000	5.00	-	-	-	-	BBC-5165R	\$191.00		
	0.625	2.000	5.00	-	-	-	-	BBC-5170R	\$199.00		

\*Circle is a registered trademark of Circle Machine Company

## HEX WRENCH SETS



**Full Line Available!**  
Please call for more information.



Type	No. Of Pieces	Hex Wrench Set Includes	Part Number	Price Each
Inch	12	.050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1 / 4, 5/16	BO-12136	\$7.56
Inch	13	.050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1 / 4, 5/16, 3/8"	BO-12137	\$8.61
Metric	9	1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm	BO-12199	\$8.15
Combo Pack	13 & 9	Inch & Metric Set	BO-22199	\$15.88

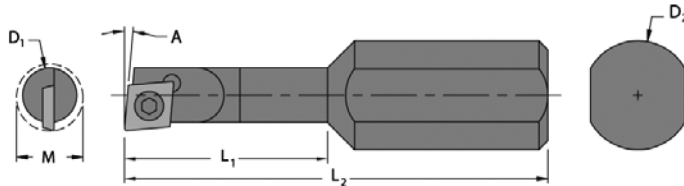
Call Us Or Visit Our Website For Our Complete Selection!

# REDUCED NECK MINI BORING BARS

## REDUCED NECK BORING BARS Using Diamond Shaped CDCD Inserts



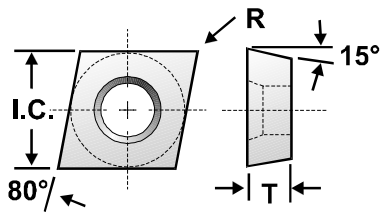
- Lead angle: 5°
- Minimum bore: .290
- Uses CDCD type inserts
- Shanks have locating flats for easy set-up
- Available in steel, heavy metal or carbide shanks
- See bottom of page for inserts
- **Made in the USA**



Min Bore	Shank Dia D2	Boring Depth L1	OAL L2	Steel Shank-4xD		Heavy Metal-6xD		Carbide Shank-8xD		Screws \$3.00	Wrench
				Part Number	Price	Part Number	Price	Part Number	Price		
.290	0.250	-	3.000	BBC-1175R	\$72.00	-	-	-	-	19501	TX-206 \$6.50
			4.000	-	-	BBC-3180R	\$117.00	BBC-5180R	\$129.00		
	0.375	0.500	2.500	BBC-1200R	\$72.00	-	-	-	-		
	0.375	0.750	2.500	BBC-1205R	\$72.00	-	-	-	-		
	0.500		2.750	BBC-1210R	\$72.00	-	-	-	-		
	0.375	1.000	2.500	BBC-1215R	\$72.00	-	-	-	-		
	0.375	1.250	2.500	BBC-1220R	\$72.00	-	-	-	-		
	0.500		2.750	BBC-1225R	\$72.00	-	-	-	-		
	0.500	1.750	4.000	-	-	BBC-3230R	\$203.00	-	-		
	0.625		4.000	-	-	BBC-3235R	\$257.00	-	-		
	0.500	2.500	5.000	-	-	-	-	BBC-5240R	\$191.00		
	0.625		5.000	-	-	-	-	BBC-5245R	\$199.00		

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## CDCD INSERTS



I.C.	T	R	Uncoated CM2 C1/C2	Coated CVM2 C1/C2	Uncoated CS7 C6/C7	Coated CV7 C6/C7	Coated TL120
			\$9.00 ea	\$10.00 ea	\$9.00 ea	\$10.00 ea	\$11.50 ea
.156	.040	.002	US-701	US-711	US-706	US-721	US-731
		.007	US-702	US-712	US-707	US-722	US-732
		.015	US-703	US-713	US-708	US-723	US-733

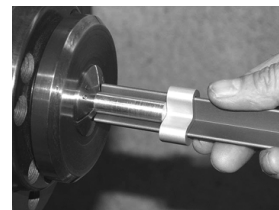
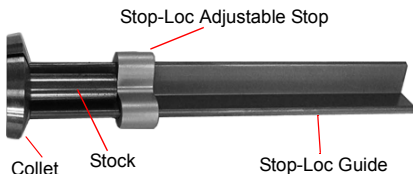
## GRADE SELECTION CHART

Grade	Coating	Material	Operation
CM2	Uncoated	Non Ferrous Alloys, High Strength Steel Alloys	Finish
CVM2	TiN Coated	Non Ferrous materials, Stainless Steels	Semi-finish, Finish
CS7	UnCoated	Carbon Steels, Alloy Steels, Tool Steels	Semi-finish
CV7	TiN Coated	Steels, Stainless Steels	Semi Finish, Finish
TL120	TiAlN Coated	High Temp Alloys, Stainless Steels	Semi Finish, Finish

## CHUCK/COLLET STOP

### Handheld Lathe & Mill Vise Tool

- Adjustable Precision-Gage lengths up to 5-1/2" long holding +/- .005
- Save Money! No more fixed length dedicated shop-made front collet stops for each job
- Versatile-For use on CNC or manual lathes whether you are running a bar manually or using a bar puller
- Consistency-Unique design incorporates self-centering, unobstructed viewing and contrasting colors to give user confidence
- Dimensions: 6" L x 3/4" H x 3/4" W
- **Made in USA**



**Stop-Loc**  
Pat.Pend.



Graduations	Part Number	Price
Inch	STOPLOC	\$16.00
Inch/Metric	STOPLOC-THSMM	\$18.00
Metric	STOPLOC-MM	\$18.00

Call Us Today For All Of Your Machine Tool Needs!

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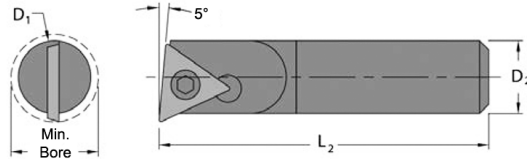
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## REDUCED NECK BORING BARS

Using Triangle Shaped TDAB Inserts



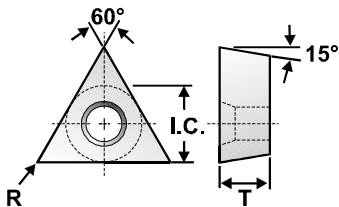
- Minimum bore: .270 to .360
- Uses TDAB type inserts
- Shanks have locating flats for easy set-up
- Available in steel, heavy metal or carbide shanks
- See bottom of page for inserts
- Made in the USA



Min Bore	B Shank Dia	A Boring Depth	C OAL	Steel Shank-4xD		Heavy Metal-6xD		Carbide Shank-8xD		Screws \$3.00	Wrench
				Part Number	Price	Part Number	Price	Part Number	Price		
.270	0.187	-	3.500	BBC-1300R	\$72.00	-	-	-	-	19502	TX-206 \$6.50
			4.000	-	-	BBC-3305R	\$110.00	-	-		
	0.500	0.500	3.000	BBC-1315R	\$72.00	-	-	-	-		
			3.000	BBC-1320R	\$72.00	-	-	-	-		
	0.500	1.00	4.000	BBC-1330R	\$72.00	-	-	-	-		
			4.000	BBC-1335R	\$72.00	-	-	-	-		
	0.500	1.625	4.000	-	-	BBC-3340R	\$203.00	-	-		
			4.000	-	-	BBC-3345R	\$203.00	-	-		
	0.500	2.250	5.000	-	-	-	-	BBC-5350R	\$191.00		
			5.000	-	-	-	-	BBC-5355R	\$199.00		
.300	0.250	-	4.000	BBC-1360R	\$72.00	BBC-3360R	\$117.00	-	-		
			3.000	BBC-1370R	\$72.00	-	-	-	-		
	0.500	0.750	4.000	BBC-1375R	\$72.00	-	-	-	-		
			3.000	BBC-1380R	\$72.00	-	-	-	-		
	0.625	1.250	4.000	BBC-1385R	\$72.00	-	-	-	-		
			4.000	-	-	BBC-3390R	\$203.00	-	-		
	0.500	1.875	4.000	-	-	BBC-3395R	\$203.00	-	-		
			5.000	-	-	-	-	BBC-5400R	\$191.00		
	0.625	2.500	5.000	-	-	-	-	BBC-5405R	\$199.00		
			5.000	-	-	-	-	BBC-5415R	\$188.00		
.360	0.312	-	4.000	BBC-1410R	\$72.00	BBC-3410R	\$135.00	BBC-5415R	\$188.00		
			3.000	BBC-1420R	\$72.00	-	-	-	-		
	0.500	1.000	3.000	BBC-1425R	\$72.00	-	-	-	-		
			3.000	BBC-1430R	\$72.00	-	-	-	-		
	0.625	1.500	4.000	BBC-1435R	\$72.00	-	-	-	-		
			5.000	-	-	BBC-3440R	\$199.00	-	-		
	0.500	2.250	5.000	-	-	BBC-3445R	\$235.00	-	-		
			5.000	-	-	-	-	BBC-5450R	\$191.00		
	0.625	3.125	5.000	-	-	-	-	BBC-5455R	\$199.00		
			5.000	-	-	-	-	BBC-5455R	\$199.00		

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## TDAB TYPE INSERTS



I.C.	T	R	Uncoated CM2 C1/C2	Coated CVM2 C1/C2	Uncoated CS7 C6/C7	Coated CV7 C6/C7	Coated TL120
			\$9.00 ea	\$10.00 ea	\$9.00 ea	\$10.00 ea	\$11.50 ea
.160	.047	.002	US-751	US-761	US-756	US-771	US-781
		.007	US-752	US-762	US-757	US-772	US-782
		.015	US-753	US-763	US-758	US-773	US-783

## GRADE SELECTION CHART

Grade	Coating	Material	Operation
CM2	Uncoated	Non Ferrous Alloys, High Strength Steel Alloys	Finish
CVM2	TiN Coated	Non Ferrous materials, Stainless Steels	Semi-finish, Finish
CS7	UnCoated	Carbon Steels, Alloy Steels, Tool Steels	Semi-finish
CV7	TiN Coated	Steels, Stainless Steels	Semi Finish, Finish
TL120	TiAlN Coated	High Temp Alloys, Stainless Steels	Semi Finish, Finish

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LIVE CENTERS

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VICE ACCESSORIES

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