

5500 Tomken Rd, Unit #2  
Mississauga, ON L4W 2Z4  
www.caliberindustrial.com  
sales@caliberindustrial.com



Mississauga: 905.624.5524  
Toronto: 416.626.7151  
Toll Free: 1.800.465.5743  
Fax: 905.602.8758



## CARBIDE BARS

for Boring, Grooving & Threading



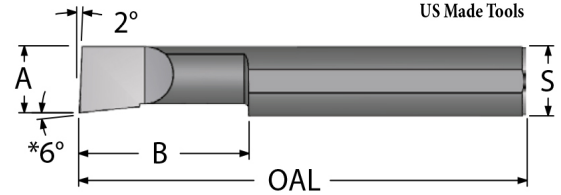
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# BORING BARS - SOLID CARBIDE



- \* Made with premium submicron grade carbide
- \* AlTiN+ coating for higher Surface Feet per Minute
- \* Precision ground flat for guaranteed tool orientation



"A" MIN BORE	"B" MAX DEPTH	"S" SHANK DIA.	OAL	ITEM # UNCOATED	On Hand	Price	ITEM # AlTiN+	On Hand	Price
0.050	0.150	0.125	1.50	132-B050150	○	\$27.03	132-B050150A	○	\$32.58
0.050	0.200	0.125	1.50	132-B050200	○	\$27.03	132-B050200A	●	\$32.58
0.050	0.300	0.125	1.50	132-B050300	○	\$27.03	132-B050300A	○	\$32.58
0.050	0.400	0.125	1.50	132-B050400	○	\$27.03	132-B050400A	●	\$32.58
0.060	0.150	0.125	1.50	132-B060150	○	\$27.03	132-B060150A	○	\$32.58
0.060	0.200	0.125	1.50	132-B060200	○	\$27.03	132-B060200A	●	\$32.58
0.060	0.300	0.125	1.50	132-B060300	○	\$27.03	132-B060300A	○	\$32.58
0.060	0.400	0.125	1.50	132-B060400	○	\$27.03	132-B060400A	●	\$32.58
0.060	0.500	0.125	1.50	132-B060500	○	\$27.03	132-B060500A	○	\$32.58
0.080	0.150	0.125	1.50	132-B080150	○	\$27.03	132-B080150A	○	\$32.58
0.080	0.200	0.125	1.50	132-B080200	○	\$27.03	132-B080200A	●	\$32.58
0.080	0.300	0.125	1.50	132-B080300	○	\$27.03	132-B080300A	○	\$32.58
0.080	0.400	0.125	1.50	132-B080400	○	\$27.03	132-B080400A	●	\$32.58
0.080	0.500	0.125	1.50	132-B080500	●	\$27.03	132-B080500A	○	\$32.58
0.080	0.600	0.125	1.50	132-B080600	○	\$27.03	132-B080600A	○	\$32.58
0.100	0.150	0.125	1.50	132-B100150	○	\$27.03	132-B100150A	○	\$32.58
0.100	0.200	0.125	1.50	132-B100200	○	\$27.03	132-B100200A	●	\$32.58
0.100	0.300	0.125	1.50	132-B100300	○	\$27.03	132-B100300A	○	\$32.58
0.100	0.400	0.125	1.50	132-B100400	○	\$27.03	132-B100400A	○	\$32.58
0.100	0.500	0.125	1.50	132-B100500	●	\$27.03	132-B100500A	○	\$32.58
0.100	0.600	0.125	1.50	132-B100600	○	\$27.03	132-B100600A	●	\$32.58
0.100	0.700	0.125	1.50	132-B100700	○	\$27.03	132-B100700A	○	\$32.58
0.110	0.150	0.125	1.50	132-B110150	○	\$27.03	132-B110150A	○	\$32.58
0.110	0.200	0.125	1.50	132-B110200	○	\$27.03	132-B110200A	○	\$32.58
0.110	0.300	0.125	1.50	132-B110300	●	\$27.03	132-B110300A	○	\$32.58
0.110	0.400	0.125	1.50	132-B110400	○	\$27.03	132-B110400A	●	\$32.58
0.110	0.500	0.125	1.50	132-B110500	○	\$27.03	132-B110500A	○	\$32.58
0.110	0.600	0.125	1.50	132-B110600	○	\$27.03	132-B110600A	○	\$32.58
0.110	0.700	0.125	1.50	132-B110700	○	\$27.03	132-B110700A	○	\$32.58
0.120	0.250	0.1875	2.00	132-B120250	○	\$28.93	132-B120250A	○	\$34.48
0.120	0.350	0.1875	2.00	132-B120350	○	\$28.93	132-B120350A	○	\$34.48
0.120	0.500	0.1875	2.00	132-B120500	●	\$28.93	132-B120500A	○	\$34.48
0.120	0.600	0.1875	2.00	132-B120600	○	\$28.93	132-B120600A	○	\$34.48
0.120	0.700	0.1875	2.00	132-B120700	○	\$28.93	132-B120700A	○	\$34.48
0.120	0.800	0.1875	2.00	132-B120800	○	\$28.93	132-B120800A	○	\$34.48

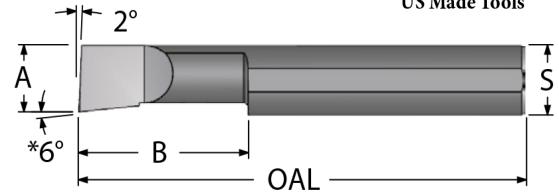
- Stock Caliber
- Factory Stock 5-7 Working Days



# BORING BARS - SOLID CARBIDE



- \* Made with premium submicron grade carbide
- \* AlTiN+ coating for higher Surface Feet per Minute
- \* Precision ground flat for guaranteed tool orientation



"A" MIN BORE	"B" MAX DEPTH	"S" SHANK DIA.	OAL	ITEM # UNCOATED	On Hand	Price	ITEM # AlTiN+	On Hand	Price
0.140	0.250	0.1875	2.00	132-B140250	○	\$28.93	132-B140250A	○	\$34.48
0.140	0.400	0.1875	2.00	132-B140400	○	\$28.93	132-B140400A	●	\$34.48
0.140	0.500	0.1875	2.00	132-B140500	○	\$28.93	132-B140500A	○	\$34.48
0.140	0.600	0.1875	2.00	132-B140600	○	\$28.93	132-B140600A	○	\$34.48
0.140	0.700	0.1875	2.00	132-B140700	○	\$28.93	132-B140700A	○	\$34.48
0.140	0.750	0.1875	2.00	132-B140750	○	\$28.93	132-B140750A	●	\$34.48
0.140	0.800	0.1875	2.00	132-B140800	○	\$28.93	132-B140800A	○	\$34.48
0.160	0.250	0.1875	2.00	132-B160250	○	\$28.93	132-B160250A	○	\$34.48
0.160	0.400	0.1875	2.00	132-B160400	●	\$28.93	132-B160400A	●	\$34.48
0.160	0.500	0.1875	2.00	132-B160500	●	\$28.93	132-B160500A	○	\$34.48
0.160	0.600	0.1875	2.00	132-B160600	○	\$28.93	132-B160600A	○	\$34.48
0.160	0.750	0.1875	2.00	132-B160750	○	\$28.93	132-B160750A	○	\$34.48
0.160	0.900	0.1875	2.00	132-B160900	○	\$28.93	132-B160900A	○	\$34.48
0.160	1.000	0.1875	2.00	132-B1601000	○	\$28.93	132-B1601000A	○	\$34.48
0.180	0.350	0.250	2.50	132-B180350	○	\$31.76	132-B180350A	○	\$38.80
0.180	0.500	0.250	2.50	132-B180500	●	\$31.76	132-B180500A	●	\$38.80
0.180	0.600	0.250	2.50	132-B180600	○	\$31.76	132-B180600A	○	\$38.80
0.180	0.750	0.250	2.50	132-B180750	○	\$31.76	132-B180750A	○	\$38.80
0.180	0.900	0.250	2.50	132-B180900	○	\$31.76	132-B180900A	○	\$38.80
0.180	1.000	0.250	2.50	132-B1801000	○	\$31.76	132-B1801000A	●	\$38.80
0.180	1.100	0.250	2.50	132-B1801100	○	\$31.76	132-B1801100A	○	\$38.80
0.180	1.250	0.250	2.50	132-B1801250	○	\$31.76	132-B1801250A	○	\$38.80
0.180	1.500	0.250	2.50	132-B1801500	○	\$31.76	132-B1801500A	○	\$38.80
0.200	0.400	0.250	2.50	132-B200400	○	\$31.76	132-B200400A	○	\$38.80
0.200	0.500	0.250	2.50	132-B200500	○	\$31.76	132-B200500A	○	\$38.80
0.200	0.600	0.250	2.50	132-B200600	○	\$31.76	132-B200600A	○	\$38.80
0.200	0.700	0.250	2.50	132-B200700	○	\$31.76	132-B200700A	●	\$38.80
0.200	0.800	0.250	2.50	132-B200800	○	\$31.76	132-B200800A	○	\$38.80
0.200	0.900	0.250	2.50	132-B200900	○	\$31.76	132-B200900A	●	\$38.80
0.200	1.000	0.250	2.50	132-B2001000	○	\$31.76	132-B2001000A	○	\$38.80
0.200	1.100	0.250	2.50	132-B2001100	○	\$31.76	132-B2001100A	○	\$38.80
0.200	1.200	0.250	2.50	132-B2001200	○	\$31.76	132-B2001200A	○	\$38.80
0.200	1.300	0.250	2.50	132-B2001300	○	\$31.76	132-B2001300A	○	\$38.80

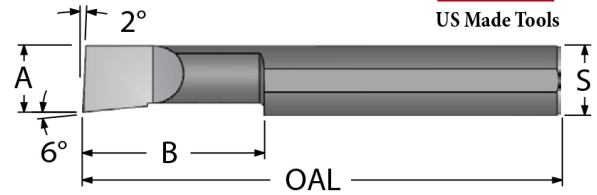
- Stock Caliber
- Factory Stock 5-7 Working Days



# BORING BARS - SOLID CARBIDE



- \* AlTiN+ coating extends tool life
- \* Elliptically ground neck provides maximum strength
- \* Precision ground shank flat guarantees tool orientation



"A" MIN BORE	"B" MAX DEPTH	"S" SHANK DIA.	OAL	ITEM # UNCOATED	On Hand	Price	ITEM # AlTiN+	On Hand	Price
0.230	0.400	0.3125	2.50	132-B230400	○	\$43.51	132-B230400A	○	\$51.91
0.230	0.500	0.3125	2.50	132-B230500	○	\$43.51	132-B230500A	○	\$51.91
0.230	0.600	0.3125	2.50	132-B230600	○	\$43.51	132-B230600A	○	\$51.91
0.230	0.700	0.3125	2.50	132-B230700	○	\$43.51	132-B230700A	○	\$51.91
0.230	0.800	0.3125	2.50	132-B230800	○	\$43.51	132-B230800A	○	\$51.91
0.230	0.900	0.3125	2.50	132-B230900	○	\$43.51	132-B230900A	○	\$51.91
0.230	1.000	0.3125	2.50	132-B2301000	○	\$43.51	132-B2301000A	○	\$51.91
0.230	1.100	0.3125	2.50	132-B2301100	○	\$43.51	132-B2301100A	○	\$51.91
0.230	1.150	0.3125	2.50	132-B2301150	○	\$43.51	132-B2301150A	○	\$51.91
0.230	1.200	0.3125	2.50	132-B2301200	○	\$43.51	132-B2301200A	○	\$51.91
0.230	1.250	0.3125	2.50	132-B2301250	○	\$43.51	132-B2301250A	○	\$51.91
0.230	1.400	0.3125	2.50	132-B2301400	○	\$43.51	132-B2301400A	○	\$51.91
0.230	1.500	0.3125	2.50	132-B2301500	○	\$43.51	132-B2301500A	○	\$51.91
0.230	1.600	0.3125	3.00	132-B2301600	○	\$43.62	132-B2301600A	○	\$51.98
0.290	0.500	0.3125	2.50	132-B290500	○	\$43.51	132-B290500A	○	\$51.91
0.290	0.600	0.3125	2.50	132-B290600	○	\$43.51	132-B290600A	●	\$51.91
0.290	0.750	0.3125	2.50	132-B290750	○	\$43.51	132-B290750A	○	\$51.91
0.290	0.900	0.3125	2.50	132-B290900	○	\$43.51	132-B290900A	○	\$51.91
0.290	1.000	0.3125	2.50	132-B2901000	○	\$43.51	132-B2901000A	●	\$51.91
0.290	1.100	0.3125	2.50	132-B2901100	○	\$43.51	132-B2901100A	○	\$51.91
0.290	1.250	0.3125	2.50	132-B2901250	○	\$43.51	132-B2901250A	○	\$51.91
0.290	1.350	0.3125	2.50	132-B2901350	○	\$43.51	132-B2901350A	●	\$51.91
0.290	1.500	0.3125	2.50	132-B2901500	○	\$43.51	132-B2901500A	○	\$51.91
0.290	1.600	0.3125	3.00	132-B2901600	○	\$43.62	132-B2901600A	○	\$51.98
0.290	1.750	0.3125	3.00	132-B2901750	○	\$43.62	132-B2901750A	○	\$51.98
0.320	0.500	0.375	2.50	132-B320500	○	\$60.52	132-B320500A	○	\$70.31
0.320	0.600	0.375	2.50	132-B320600	○	\$60.52	132-B320600A	●	\$70.31
0.320	0.750	0.375	2.50	132-B320750	●	\$60.52	132-B320750A	○	\$70.31
0.320	0.900	0.375	2.50	132-B320900	○	\$60.52	132-B320900A	○	\$70.31
0.320	1.000	0.375	2.50	132-B3201000	○	\$60.52	132-B3201000A	●	\$70.31
0.320	1.100	0.375	2.50	132-B3201100	○	\$60.52	132-B3201100A	○	\$70.31
0.320	1.250	0.375	2.50	132-B3201250	○	\$60.52	132-B3201250A	○	\$70.31
0.320	1.500	0.375	2.50	132-B3201500	○	\$60.52	132-B3201500A	●	\$70.31
0.320	1.600	0.375	3.00	132-B3201600	○	\$60.63	132-B3201600A	○	\$70.43
0.320	1.800	0.375	3.00	132-B3201800	○	\$60.63	132-B3201800A	○	\$70.43
0.320	2.000	0.375	4.00	132-B3202000	○	\$78.15	132-B3202000A	○	\$90.03
0.320	2.500	0.375	4.00	132-B3202500	○	\$78.15	132-B3202500A	○	\$90.03
0.320	3.000	0.375	4.00	132-B3203000	○	\$78.15	132-B3203000A	○	\$90.03

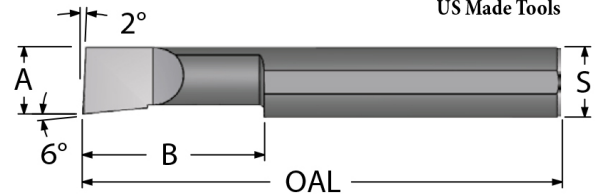
- Stock Caliber
- Factory Stock 5-7 Working Days



# BORING BARS - SOLID CARBIDE



- \* AlTiN+ coating extends tool life
- \* Elliptically ground neck provides maximum strength
- \* Precision ground shank flat guarantees tool orientation



"A" MIN BORE	"B" MAX DEPTH	"S" SHANK DIA.	OAL	ITEM # UNCOATED	On Hand	Price	ITEM # AlTiN+	On Hand	Price
0.360	0.500	0.375	2.50	132-B360500	○	\$60.52	132-B360500A	○	\$70.31
0.360	0.600	0.375	2.50	132-B360600	○	\$60.52	132-B360600A	●	\$70.31
0.360	0.750	0.375	2.50	132-B360750	○	\$60.52	132-B360750A	○	\$70.31
0.360	0.900	0.375	2.50	132-B360900	○	\$60.52	132-B360900A	○	\$70.31
0.360	1.000	0.375	2.50	132-B3601000	○	\$60.52	132-B3601000A	●	\$70.31
0.360	1.150	0.375	2.50	132-B3601150	○	\$60.52	132-B3601150A	○	\$70.31
0.360	1.250	0.375	2.50	132-B3601250	○	\$60.52	132-B3601250A	○	\$70.31
0.360	1.500	0.375	2.50	132-B3601500	○	\$60.52	132-B3601500A	○	\$70.31
0.360	1.600	0.375	3.00	132-B3601600	○	\$60.63	132-B3601600A	●	\$70.43
0.360	1.800	0.375	3.00	132-B3601800	○	\$60.63	132-B3601800A	○	\$70.43
0.360	2.000	0.375	4.00	132-B3602000	○	\$78.15	132-B3602000A	○	\$90.03
0.360	2.500	0.375	4.00	132-B3602500	○	\$78.15	132-B3602500A	○	\$90.03
0.360	3.000	0.375	4.00	132-B3603000	○	\$78.15	132-B3603000A	○	\$90.03
0.490	0.750	0.500	3.00	132-B490750	○	\$85.54	132-B490750A	○	\$97.63
0.490	1.000	0.500	3.00	132-B4901000	○	\$85.54	132-B4901000A	●	\$97.63
0.490	1.250	0.500	3.00	132-B4901250	○	\$85.54	132-B4901250A	○	\$97.63
0.490	1.500	0.500	3.00	132-B4901500	○	\$85.54	132-B4901500A	○	\$97.63
0.490	2.000	0.500	4.00	132-B4902000	○	\$98.40	132-B4902000A	●	\$112.96
0.490	2.500	0.500	4.00	132-B4902500	○	\$98.40	132-B4902500A	○	\$112.96
0.490	2.600	0.500	4.00	132-B4902600	○	\$98.40	132-B4902600A	○	\$112.96
0.490	2.750	0.500	4.00	132-B4902750	○	\$98.40	132-B4902750A	●	\$112.96
0.490	3.000	0.500	6.00	132-B4903000	○	\$129.69	132-B4903000A	○	\$146.95
0.490	3.500	0.500	6.00	132-B4903500	○	\$129.69	132-B4903500A	○	\$146.95
0.490	4.000	0.500	6.00	132-B4904000	○	\$129.69	132-B4904000A	○	\$146.95
0.490	4.500	0.500	6.00	132-B4904500	○	\$129.69	132-B4904500A	○	\$146.95

- Stock Caliber
- Factory Stock 5-7 Working Days

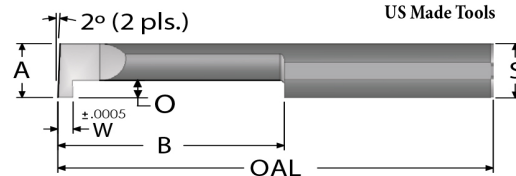


# GROOVE TOOLS - RETAINING RING - SOLID CARBIDE



US Made Tools

- \* AlTiN+ coating for higher Surface Feet per Minute
- \* Shank diameter is precision ground
- \* Made with premium submicron grade carbide



"A" MIN BORE	"W" TOOL WIDTH	"B" MAX DEPTH	"O" OFF SET	"S" SHANK DIA.	OAL	ITEM # UNCOATED	On Hand	Price	ITEM # AlTiN+	On Hand	Price
0.060	0.0320	0.187	0.020	0.125	1.50	132-GT031-3	○	\$35.05	132-GT031-3A	○	\$42.46
0.060	0.0320	0.250	0.020	0.125	1.50	132-GT031-4	●	\$35.05	132-GT031-4A	○	\$42.46
0.060	0.0320	0.375	0.020	0.125	1.50	132-GT031-6	○	\$35.05	132-GT031-6A	○	\$42.46
0.090	0.0460	0.250	0.030	0.125	1.50	132-GT045-4	○	\$35.05	132-GT045-4A	○	\$42.46
0.090	0.0460	0.375	0.030	0.125	1.50	132-GT045-6	●	\$35.05	132-GT045-6A	○	\$42.46
0.090	0.0460	0.500	0.030	0.125	1.50	132-GT045-8	○	\$35.05	132-GT045-8A	○	\$42.46
0.120	0.0620	0.250	0.040	0.125	1.50	132-GT061-4	○	\$35.05	132-GT061-4A	○	\$42.46
0.120	0.0620	0.375	0.040	0.125	1.50	132-GT061-6	●	\$35.05	132-GT061-6A	○	\$42.46
0.120	0.0620	0.500	0.040	0.125	1.50	132-GT061-8	○	\$35.05	132-GT061-8A	○	\$42.46
0.120	0.0620	0.625	0.040	0.125	1.50	132-GT061-10	○	\$35.05	132-GT061-10A	○	\$42.46
0.187	0.0175	0.250	0.050	0.1875	2.00	132-GT017K-4	●	\$36.98	132-GT017K-4A	○	\$45.26
0.187	0.0175	0.375	0.050	0.1875	2.00	132-GT017K-6	●	\$36.98	132-GT017K-6A	○	\$45.26
0.187	0.0175	0.500	0.050	0.1875	2.00	132-GT017K-8	○	\$36.98	132-GT017K-8A	○	\$45.26
0.187	0.0175	0.625	0.050	0.1875	2.00	132-GT017K-10	○	\$36.98	132-GT017K-10A	○	\$45.26
0.187	0.0255	0.250	0.050	0.1875	2.00	132-GT025K-4	○	\$36.98	132-GT025K-4A	○	\$45.26
0.187	0.0255	0.375	0.050	0.1875	2.00	132-GT025K-6	●	\$36.98	132-GT025K-6A	○	\$45.26
0.187	0.0255	0.500	0.050	0.1875	2.00	132-GT025K-8	○	\$36.98	132-GT025K-8A	○	\$45.26
0.187	0.0255	0.625	0.050	0.1875	2.00	132-GT025K-10	○	\$36.98	132-GT025K-10A	○	\$45.26
0.187	0.0305	0.250	0.050	0.1875	2.00	132-GT030K-4	○	\$36.98	132-GT030K-4A	○	\$45.26
0.187	0.0305	0.375	0.050	0.1875	2.00	132-GT030K-6	●	\$36.98	132-GT030K-6A	○	\$45.26
0.187	0.0305	0.500	0.050	0.1875	2.00	132-GT030K-8	○	\$36.98	132-GT030K-8A	○	\$45.26
0.187	0.0305	0.625	0.050	0.1875	2.00	132-GT030K-10	○	\$36.98	132-GT030K-10A	○	\$45.26
0.187	0.0630	0.250	0.050	0.1875	2.00	132-GT062K-4	○	\$36.98	132-GT062K-4A	○	\$45.26
0.187	0.0630	0.375	0.050	0.1875	2.00	132-GT062K-6	●	\$36.98	132-GT062K-6A	○	\$45.26
0.187	0.0630	0.500	0.050	0.1875	2.00	132-GT062K-8	○	\$36.98	132-GT062K-8A	○	\$45.26
0.187	0.0630	0.625	0.050	0.1875	2.00	132-GT062K-10	○	\$36.98	132-GT062K-10A	○	\$45.26
0.250	0.0175	0.250	0.060	0.250	2.50	132-GT017Q-4	○	\$39.12	132-GT017Q-4A	○	\$48.45
0.250	0.0175	0.375	0.060	0.250	2.50	132-GT017Q-6	●	\$39.12	132-GT017Q-6A	○	\$48.45
0.250	0.0175	0.500	0.060	0.250	2.50	132-GT017Q-8	○	\$39.12	132-GT017Q-8A	○	\$48.45
0.250	0.0175	0.625	0.060	0.250	2.50	132-GT017Q-10	○	\$39.12	132-GT017Q-10A	○	\$48.45
0.250	0.0255	0.250	0.060	0.250	2.50	132-GT025Q-4	○	\$39.12	132-GT025Q-4A	○	\$48.45
0.250	0.0255	0.375	0.060	0.250	2.50	132-GT025Q-6	●	\$39.12	132-GT025Q-6A	○	\$48.45
0.250	0.0255	0.500	0.060	0.250	2.50	132-GT025Q-8	○	\$39.12	132-GT025Q-8A	○	\$48.45
0.250	0.0255	0.625	0.060	0.250	2.50	132-GT025Q-10	●	\$39.12	132-GT025Q-10A	○	\$48.45
0.250	0.0305	0.250	0.060	0.250	2.50	132-GT030Q-4	○	\$39.12	132-GT030Q-4A	○	\$48.45
0.250	0.0305	0.375	0.060	0.250	2.50	132-GT030Q-6	●	\$39.12	132-GT030Q-6A	○	\$48.45
0.250	0.0305	0.500	0.060	0.250	2.50	132-GT030Q-8	○	\$39.12	132-GT030Q-8A	○	\$48.45
0.250	0.0305	0.625	0.060	0.250	2.50	132-GT030Q-10	○	\$39.12	132-GT030Q-10A	○	\$48.45
0.250	0.0630	0.250	0.060	0.250	2.50	132-GT062Q-4	○	\$39.12	132-GT062Q-4A	○	\$48.45
0.250	0.0630	0.375	0.060	0.250	2.50	132-GT062Q-6	○	\$39.12	132-GT062Q-6A	○	\$48.45
0.250	0.0630	0.500	0.060	0.250	2.50	132-GT062Q-8	○	\$39.12	132-GT062Q-8A	○	\$48.45
0.250	0.0630	0.625	0.060	0.250	2.50	132-GT062Q-10	○	\$39.12	132-GT062Q-10A	○	\$48.45
0.250	0.0930	0.250	0.060	0.250	2.50	132-GT092Q-4	○	\$39.12	132-GT092Q-4A	○	\$48.45
0.250	0.0930	0.375	0.060	0.250	2.50	132-GT092Q-6	●	\$39.12	132-GT092Q-6A	○	\$48.45
0.250	0.0930	0.500	0.060	0.250	2.50	132-GT092Q-8	○	\$39.12	132-GT092Q-8A	○	\$48.45
0.250	0.0930	0.625	0.060	0.250	2.50	132-GT092Q-10	○	\$39.12	132-GT092Q-10A	○	\$48.45

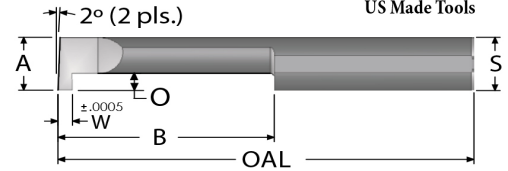
- Stock Caliber
- Factory Stock 5-7 Working Days



# GROOVE TOOLS - RETAINING RING - SOLID CARBIDE



- \* AlTiN+ coating extends tool life
- \* Polished flute face for optimum performance
- \* Precision ground shank flat for guaranteed tool orientation



"A" MIN BORE	"W" TOOL WIDTH	"B" MAX DEPTH	"O" OFF SET	"S" SHANK DIA.	OAL	ITEM # UNCOATED	On Hand	Price	ITEM # AlTiN+	On Hand	Price
0.312	0.0335	0.250	0.110	0.3125	2.50	132-GT033-4	○	\$48.71	132-GT033-4A	○	\$58.96
0.312	0.0335	0.375	0.110	0.3125	2.50	132-GT033-6	●	\$48.71	132-GT033-6A	○	\$58.96
0.312	0.0335	0.500	0.110	0.3125	2.50	132-GT033-8	○	\$48.71	132-GT033-8A	○	\$58.96
0.312	0.0335	0.750	0.110	0.3125	2.50	132-GT033-12	○	\$48.71	132-GT033-12A	○	\$58.96
0.312	0.0385	0.250	0.110	0.3125	2.50	132-GT038-4	○	\$48.71	132-GT038-4A	○	\$58.96
0.312	0.0385	0.375	0.110	0.3125	2.50	132-GT038-6	●	\$48.71	132-GT038-6A	○	\$58.96
0.312	0.0385	0.500	0.110	0.3125	2.50	132-GT038-8	○	\$48.71	132-GT038-8A	○	\$58.96
0.312	0.0385	0.750	0.110	0.3125	2.50	132-GT038-12	○	\$48.71	132-GT038-12A	○	\$58.96
0.312	0.0630	0.375	0.110	0.3125	2.50	132-GT063-6	○	\$48.71	132-GT063-6A	○	\$58.96
0.312	0.0630	0.500	0.110	0.3125	2.50	132-GT063-8	●	\$48.71	132-GT063-8A	○	\$58.96
0.312	0.0630	0.750	0.110	0.3125	2.50	132-GT063-12	○	\$48.71	132-GT063-12A	○	\$58.96
0.312	0.0630	1.000	0.110	0.3125	2.50	132-GT063-16	○	\$48.71	132-GT063-16A	○	\$58.96
0.312	0.1250	0.375	0.110	0.3125	2.50	132-GT124-6	○	\$48.71	132-GT124-6A	○	\$58.96
0.312	0.1250	0.500	0.110	0.3125	2.50	132-GT124-8	●	\$48.71	132-GT124-8A	○	\$58.96
0.312	0.1250	0.750	0.110	0.3125	2.50	132-GT124-12	○	\$48.71	132-GT124-12A	○	\$58.96
0.312	0.1250	0.500	0.110	0.3125	2.50	132-GT124-16	○	\$48.71	132-GT124-16A	○	\$58.96
0.375	0.040	0.250	0.110	0.375	2.50	132-GT039-4	○	\$64.45	132-GT039-4A	○	\$75.60
0.375	0.040	0.375	0.110	0.375	2.50	132-GT039-6	○	\$64.45	132-GT039-6A	○	\$75.60
0.375	0.040	0.500	0.110	0.375	2.50	132-GT039-8	○	\$64.45	132-GT039-8A	○	\$75.60
0.375	0.040	0.750	0.110	0.375	2.50	132-GT039-12	●	\$64.45	132-GT039-12A	○	\$75.60
0.375	0.040	1.000	0.110	0.375	2.50	132-GT039-16	○	\$64.45	132-GT039-16A	○	\$75.60
0.375	0.040	1.250	0.110	0.375	2.50	132-GT039-20	○	\$64.45	132-GT039-20A	○	\$75.60
0.375	0.047	0.250	0.110	0.375	2.50	132-GT046-4	○	\$64.45	132-GT046-4A	○	\$75.60
0.375	0.047	0.375	0.110	0.375	2.50	132-GT046-6	○	\$64.45	132-GT046-6A	●	\$75.60
0.375	0.047	0.500	0.110	0.375	2.50	132-GT046-8	○	\$64.45	132-GT046-8A	○	\$75.60
0.375	0.047	0.750	0.110	0.375	2.50	132-GT046-12	●	\$64.45	132-GT046-12A	○	\$75.60
0.375	0.047	1.000	0.110	0.375	2.50	132-GT046-16	○	\$64.45	132-GT046-16A	○	\$75.60
0.375	0.047	1.250	0.110	0.375	2.50	132-GT046-20	○	\$64.45	132-GT046-20A	○	\$75.60
0.375	0.056	0.250	0.110	0.375	2.50	132-GT055-4	○	\$64.45	132-GT055-4A	○	\$75.60
0.375	0.056	0.375	0.110	0.375	2.50	132-GT055-6	○	\$64.45	132-GT055-6A	●	\$75.60
0.375	0.056	0.500	0.110	0.375	2.50	132-GT055-8	○	\$64.45	132-GT055-8A	○	\$75.60
0.375	0.056	0.750	0.110	0.375	2.50	132-GT055-12	●	\$64.45	132-GT055-12A	○	\$75.60
0.375	0.056	1.000	0.110	0.375	2.50	132-GT055-16	○	\$64.45	132-GT055-16A	○	\$75.60
0.375	0.056	1.250	0.110	0.375	2.50	132-GT055-20	○	\$64.45	132-GT055-20A	○	\$75.60
0.375	0.063	0.250	0.110	0.375	2.50	132-GT062-4	○	\$64.45	132-GT062-4A	○	\$75.60
0.375	0.063	0.375	0.110	0.375	2.50	132-GT062-6	○	\$64.45	132-GT062-6A	●	\$75.60
0.375	0.063	0.500	0.110	0.375	2.50	132-GT062-8	○	\$64.45	132-GT062-8A	○	\$75.60
0.375	0.063	0.750	0.110	0.375	2.50	132-GT062-12	●	\$64.45	132-GT062-12A	○	\$75.60
0.375	0.063	1.000	0.110	0.375	2.50	132-GT062-16	○	\$64.45	132-GT062-16A	○	\$75.60
0.375	0.063	1.250	0.110	0.375	2.50	132-GT062-20	○	\$64.45	132-GT062-20A	○	\$75.60
0.375	0.070	0.250	0.110	0.375	2.50	132-GT069-4	○	\$64.45	132-GT069-4A	○	\$75.60
0.375	0.070	0.375	0.110	0.375	2.50	132-GT069-6	○	\$64.45	132-GT069-6A	●	\$75.60
0.375	0.070	0.500	0.110	0.375	2.50	132-GT069-8	○	\$64.45	132-GT069-8A	○	\$75.60
0.375	0.070	0.750	0.110	0.375	2.50	132-GT069-12	●	\$64.45	132-GT069-12A	○	\$75.60
0.375	0.070	1.000	0.110	0.375	2.50	132-GT069-16	○	\$64.45	132-GT069-16A	○	\$75.60
0.375	0.070	1.250	0.110	0.375	2.50	132-GT069-20	○	\$64.45	132-GT069-20A	○	\$75.60

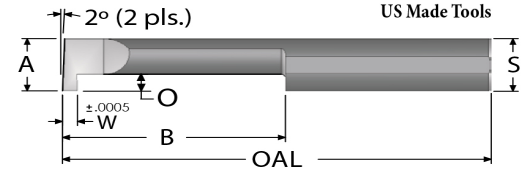
- Stock Caliber
- Factory Stock 5-7 Working Days



# GROOVE TOOLS - RETAINING RING - SOLID CARBIDE



- \* AlTiN+ coating for higher Surface Feet per Minute
- \* Shank diameter is precision ground
- \* Polished flute face for optimum performance
- \* Made with premium submicron grade carbide



"A" MIN BORE	"W" TOOL WIDTH	"B" MAX DEPTH	"O" OFF SET	"S" SHANK DIA.	OAL	ITEM # UNCOATED	On Hand	Price	ITEM # AlTiN+	On Hand	Price
0.375	0.088	0.250	0.110	0.375	2.50	132-GT087-4	○	\$64.45	132-GT087-4A	○	\$75.60
0.375	0.088	0.375	0.110	0.375	2.50	132-GT087-6	○	\$64.45	132-GT087-6A	●	\$75.60
0.375	0.088	0.500	0.110	0.375	2.50	132-GT087-8	○	\$64.45	132-GT087-8A	○	\$75.60
0.375	0.088	0.750	0.110	0.375	2.50	132-GT087-12	●	\$64.45	132-GT087-12A	○	\$75.60
0.375	0.088	1.000	0.110	0.375	2.50	132-GT087-16	○	\$64.45	132-GT087-16A	○	\$75.60
0.375	0.088	1.250	0.110	0.375	2.50	132-GT087-20	○	\$64.45	132-GT087-20A	○	\$75.60
0.375	0.127	0.375	0.110	0.375	2.50	132-GT126-6	○	\$64.45	132-GT126-6A	●	\$75.60
0.375	0.127	0.500	0.110	0.375	2.50	132-GT126-8	○	\$64.45	132-GT126-8A	○	\$75.60
0.375	0.127	0.750	0.110	0.375	2.50	132-GT126-12	●	\$64.45	132-GT126-12A	○	\$75.60
0.375	0.127	1.000	0.110	0.375	2.50	132-GT126-16	○	\$64.45	132-GT126-16A	○	\$75.60
0.375	0.127	1.250	0.110	0.375	2.50	132-GT126-20	○	\$64.45	132-GT126-20A	○	\$75.60
0.375	0.158	0.375	0.110	0.375	2.50	132-GT157-6	○	\$64.45	132-GT157-6A	●	\$75.60
0.375	0.158	0.500	0.110	0.375	2.50	132-GT157-8	○	\$64.45	132-GT157-8A	○	\$75.60
0.375	0.158	0.750	0.110	0.375	2.50	132-GT157-12	●	\$64.45	132-GT157-12A	○	\$75.60
0.375	0.158	1.000	0.110	0.375	2.50	132-GT157-16	○	\$64.45	132-GT157-16A	○	\$75.60
0.375	0.158	1.250	0.110	0.375	2.50	132-GT157-20	○	\$64.45	132-GT157-20A	○	\$75.60
0.500	0.094	0.500	0.160	0.500	3.00	132-GT093-8	○	\$90.76	132-GT093-8A	○	\$107.51
0.500	0.094	0.750	0.160	0.500	3.00	132-GT093-12	●	\$90.76	132-GT093-12A	○	\$107.51
0.500	0.094	1.000	0.160	0.500	3.00	132-GT093-16	○	\$90.76	132-GT093-16A	○	\$107.51
0.500	0.094	1.250	0.160	0.500	3.00	132-GT093-20	○	\$90.76	132-GT093-20A	○	\$107.51
0.500	0.094	1.500	0.160	0.500	3.00	132-GT093-24	○	\$90.76	132-GT093-24A	○	\$107.51
0.500	0.126	0.500	0.160	0.500	3.00	132-GT125-8	○	\$90.76	132-GT125-8A	○	\$107.51
0.500	0.126	0.750	0.160	0.500	3.00	132-GT125-12	○	\$90.76	132-GT125-12A	○	\$107.51
0.500	0.126	1.000	0.160	0.500	3.00	132-GT125-16	○	\$90.76	132-GT125-16A	○	\$107.51
0.500	0.126	1.250	0.160	0.500	3.00	132-GT125-20	○	\$90.76	132-GT125-20A	○	\$107.51
0.500	0.126	1.500	0.160	0.500	3.00	132-GT125-24	○	\$90.76	132-GT125-24A	○	\$107.51
0.500	0.157	0.500	0.160	0.500	3.00	132-GT156-8	○	\$90.76	132-GT156-8A	○	\$107.51
0.500	0.157	0.750	0.160	0.500	3.00	132-GT156-12	○	\$90.76	132-GT156-12A	●	\$107.51
0.500	0.157	1.000	0.160	0.500	3.00	132-GT156-16	○	\$90.76	132-GT156-16A	○	\$107.51
0.500	0.157	1.250	0.160	0.500	3.00	132-GT156-20	○	\$90.76	132-GT156-20A	○	\$107.51
0.500	0.157	1.500	0.160	0.500	3.00	132-GT156-24	○	\$90.76	132-GT156-24A	○	\$107.51
0.500	0.188	0.500	0.160	0.500	3.00	132-GT187-8	○	\$90.76	132-GT187-8A	○	\$107.51
0.500	0.188	0.750	0.160	0.500	3.00	132-GT187-12	●	\$90.76	132-GT187-12A	●	\$107.51
0.500	0.188	1.000	0.160	0.500	3.00	132-GT187-16	○	\$90.76	132-GT187-16A	○	\$107.51
0.500	0.188	1.250	0.160	0.500	3.00	132-GT187-20	○	\$90.76	132-GT187-20A	○	\$107.51
0.500	0.188	1.500	0.160	0.500	3.00	132-GT187-24	○	\$90.76	132-GT187-24A	○	\$107.51
0.500	0.251	0.500	0.160	0.500	3.00	132-GT250-8	○	\$90.76	132-GT250-8A	○	\$107.51
0.500	0.251	0.750	0.160	0.500	3.00	132-GT250-12	○	\$90.76	132-GT250-12A	●	\$107.51
0.500	0.251	1.000	0.160	0.500	3.00	132-GT250-16	○	\$90.76	132-GT250-16A	○	\$107.51
0.500	0.251	1.250	0.160	0.500	3.00	132-GT250-20	○	\$90.76	132-GT250-20A	○	\$107.51
0.500	0.251	1.500	0.160	0.500	3.00	132-GT250-24	○	\$90.76	132-GT250-24A	○	\$107.51

- Stock Caliber
- Factory Stock 5-7 Working Days

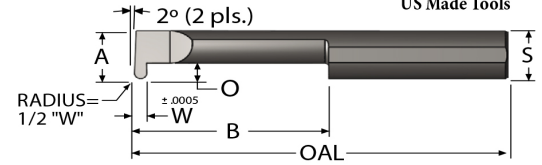




**GROOVE TOOLS - FULL RADIUS - SOLID CARBIDE**



- \* AlTiN+ coating for higher Surface Feet per Minute
- \* Elliptically ground for maximum strength
- \* Polished flute face for optimum performance



"A" MIN BORE	"W" TOOL WIDTH	"B" MAX DEPTH	"O" OFF SET	"S" SHANK DIA.	OAL	ITEM # UNCOATED	On Hand	Price	ITEM # AlTiN+	On Hand	Price
0.187	0.0175	0.250	0.050	0.1875	2.00	132-GFR017K-4	○	\$44.36	132-GFR017K-4A	○	\$52.67
0.187	0.0175	0.375	0.050	0.1875	2.00	132-GFR017K-6	○	\$44.36	132-GFR017K-6A	○	\$52.67
0.187	0.0175	0.500	0.050	0.1875	2.00	132-GFR017K-8	○	\$44.36	132-GFR017K-8A	●	\$52.67
0.187	0.0175	0.625	0.050	0.1875	2.00	132-GFR017K-10	○	\$44.36	132-GFR017K-10A	○	\$52.67
0.187	0.0255	0.250	0.050	0.1875	2.00	132-GFR025K-4	○	\$44.36	132-GFR025K-4A	○	\$52.67
0.187	0.0255	0.375	0.050	0.1875	2.00	132-GFR025K-6	○	\$44.36	132-GFR025K-6A	○	\$52.67
0.187	0.0255	0.500	0.050	0.1875	2.00	132-GFR025K-8	○	\$44.36	132-GFR025K-8A	●	\$52.67
0.187	0.0255	0.625	0.050	0.1875	2.00	132-GFR025K-10	○	\$44.36	132-GFR025K-10A	○	\$52.67
0.187	0.0305	0.250	0.050	0.1875	2.00	132-GFR030K-4	○	\$44.36	132-GFR030K-4A	○	\$52.67
0.187	0.0305	0.375	0.050	0.1875	2.00	132-GFR030K-6	○	\$44.36	132-GFR030K-6A	○	\$52.67
0.187	0.0305	0.500	0.050	0.1875	2.00	132-GFR030K-8	○	\$44.36	132-GFR030K-8A	●	\$52.67
0.187	0.0305	0.625	0.050	0.1875	2.00	132-GFR030K-10	○	\$44.36	132-GFR030K-10A	○	\$52.67
0.250	0.0175	0.250	0.060	0.250	2.50	132-GFR017Q-4	○	\$44.92	132-GFR017Q-4A	○	\$54.21
0.250	0.0175	0.375	0.060	0.250	2.50	132-GFR017Q-6	○	\$44.92	132-GFR017Q-6A	○	\$54.21
0.250	0.0175	0.500	0.060	0.250	2.50	132-GFR017Q-8	○	\$44.92	132-GFR017Q-8A	●	\$54.21
0.250	0.0175	0.625	0.060	0.250	2.50	132-GFR017Q-10	○	\$44.92	132-GFR017Q-10A	○	\$54.21
0.250	0.0255	0.250	0.060	0.250	2.50	132-GFR025Q-4	○	\$44.92	132-GFR025Q-4A	○	\$54.21
0.250	0.0255	0.375	0.060	0.250	2.50	132-GFR025Q-6	○	\$44.92	132-GFR025Q-6A	○	\$54.21
0.250	0.0255	0.500	0.060	0.250	2.50	132-GFR025Q-8	○	\$44.92	132-GFR025Q-8A	●	\$54.21
0.250	0.0255	0.625	0.060	0.250	2.50	132-GFR025Q-10	○	\$44.92	132-GFR025Q-10A	○	\$54.21
0.250	0.0305	0.250	0.060	0.250	2.50	132-GFR030Q-4	○	\$44.92	132-GFR030Q-4A	○	\$54.21
0.250	0.0305	0.375	0.060	0.250	2.50	132-GFR030Q-6	○	\$44.92	132-GFR030Q-6A	○	\$54.21
0.250	0.0305	0.500	0.060	0.250	2.50	132-GFR030Q-8	○	\$44.92	132-GFR030Q-8A	●	\$54.21
0.250	0.0305	0.625	0.060	0.250	2.50	132-GFR030Q-10	○	\$44.92	132-GFR030Q-10A	○	\$54.21
0.312	0.0335	0.250	0.110	0.3125	2.50	132-GFR033-4	○	\$56.11	132-GFR033-4A	○	\$66.32
0.312	0.0335	0.375	0.110	0.3125	2.50	132-GFR033-6	○	\$56.11	132-GFR033-6A	○	\$66.32
0.312	0.0335	0.500	0.110	0.3125	2.50	132-GFR033-8	○	\$56.11	132-GFR033-8A	●	\$66.32
0.312	0.0335	0.750	0.110	0.3125	2.50	132-GFR033-12	○	\$56.11	132-GFR033-12A	○	\$66.32
0.312	0.0385	0.250	0.110	0.3125	2.50	132-GFR038-4	○	\$56.11	132-GFR038-4A	○	\$66.32
0.312	0.0385	0.375	0.110	0.3125	2.50	132-GFR038-6	○	\$56.11	132-GFR038-6A	○	\$66.32
0.312	0.0385	0.500	0.110	0.3125	2.50	132-GFR038-8	○	\$56.11	132-GFR038-8A	●	\$66.32
0.312	0.0385	0.750	0.110	0.3125	2.50	132-GFR038-12	○	\$56.11	132-GFR038-12A	○	\$66.32
0.375	0.040	0.250	0.110	0.375	2.50	132-GFR039-4	○	\$71.91	132-GFR039-4A	○	\$83.13
0.375	0.040	0.375	0.110	0.375	2.50	132-GFR039-6	○	\$71.91	132-GFR039-6A	○	\$83.13
0.375	0.040	0.500	0.110	0.375	2.50	132-GFR039-8	○	\$71.91	132-GFR039-8A	●	\$83.13
0.375	0.040	0.750	0.110	0.375	2.50	132-GFR039-12	○	\$71.91	132-GFR039-12A	○	\$83.13
0.375	0.040	1.000	0.110	0.375	2.50	132-GFR039-16	○	\$71.91	132-GFR039-16A	○	\$83.13
0.375	0.040	1.250	0.110	0.375	2.50	132-GFR039-20	○	\$71.91	132-GFR039-20A	○	\$83.13
0.375	0.047	0.250	0.110	0.375	2.50	132-GFR046-4	○	\$71.91	132-GFR046-4A	○	\$83.13
0.375	0.047	0.375	0.110	0.375	2.50	132-GFR046-6	○	\$71.91	132-GFR046-6A	○	\$83.13
0.375	0.047	0.500	0.110	0.375	2.50	132-GFR046-8	○	\$71.91	132-GFR046-8A	●	\$83.13
0.375	0.047	0.750	0.110	0.375	2.50	132-GFR046-12	○	\$71.91	132-GFR046-12A	○	\$83.13
0.375	0.047	1.000	0.110	0.375	2.50	132-GFR046-16	○	\$71.91	132-GFR046-16A	○	\$83.13
0.375	0.047	1.250	0.110	0.375	2.50	132-GFR046-20	○	\$71.91	132-GFR046-20A	○	\$83.13
0.375	0.056	0.250	0.110	0.375	2.50	132-GFR055-4	○	\$71.91	132-GFR055-4A	○	\$83.13
0.375	0.056	0.375	0.110	0.375	2.50	132-GFR055-6	○	\$71.91	132-GFR055-6A	○	\$83.13
0.375	0.056	0.500	0.110	0.375	2.50	132-GFR055-8	○	\$71.91	132-GFR055-8A	○	\$83.13
0.375	0.056	0.750	0.110	0.375	2.50	132-GFR055-12	○	\$71.91	132-GFR055-12A	○	\$83.13
0.375	0.056	1.000	0.110	0.375	2.50	132-GFR055-16	○	\$71.91	132-GFR055-16A	○	\$83.13
0.375	0.056	1.250	0.110	0.375	2.50	132-GFR055-20	○	\$71.91	132-GFR055-20A	○	\$83.13

- Stock Caliber
- Factory Stock 5-7 Working Days

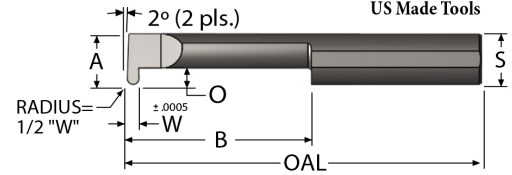


# GROOVE TOOLS - FULL RADIUS - SOLID CARBIDE



US Made Tools

- \* AlTiN+ coating extends tool life
- \* Made with premium submicron grade carbide
- \* Precision ground shank flat for guaranteed tool orientation



"A" MIN BORE	"W" TOOL WIDTH	"B" MAX DEPTH	"O" OFF SET	"S" SHANK DIA.	OAL	ITEM # UNCOATED	On Hand	Price	ITEM # AlTiN+	On Hand	Price
0.375	0.063	0.250	0.110	0.375	2.50	132-GFR062-4	○	\$71.91	132-GFR062-4A	○	\$83.13
0.375	0.063	0.375	0.110	0.375	2.50	132-GFR062-6	○	\$71.91	132-GFR062-6A	○	\$83.13
0.375	0.063	0.500	0.110	0.375	2.50	132-GFR062-8	○	\$71.91	132-GFR062-8A	○	\$83.13
0.375	0.063	0.750	0.110	0.375	2.50	132-GFR062-12	○	\$71.91	132-GFR062-12A	○	\$83.13
0.375	0.063	1.000	0.110	0.375	2.50	132-GFR062-16	○	\$71.91	132-GFR062-16A	○	\$83.13
0.375	0.063	1.250	0.110	0.375	2.50	132-GFR062-20	○	\$71.91	132-GFR062-20A	○	\$83.13
0.375	0.070	0.250	0.110	0.375	2.50	132-GFR069-4	○	\$71.91	132-GFR069-4A	○	\$83.13
0.375	0.070	0.375	0.110	0.375	2.50	132-GFR069-6	○	\$71.91	132-GFR069-6A	○	\$83.13
0.375	0.070	0.500	0.110	0.375	2.50	132-GFR069-8	○	\$71.91	132-GFR069-8A	●	\$83.13
0.375	0.070	0.750	0.110	0.375	2.50	132-GFR069-12	○	\$71.91	132-GFR069-12A	○	\$83.13
0.375	0.070	1.000	0.110	0.375	2.50	132-GFR069-16	○	\$71.91	132-GFR069-16A	○	\$83.13
0.375	0.070	1.250	0.110	0.375	2.50	132-GFR069-20	○	\$71.91	132-GFR069-20A	○	\$83.13
0.375	0.088	0.250	0.110	0.375	2.50	132-GFR087-4	○	\$71.91	132-GFR087-4A	○	\$83.13
0.375	0.088	0.375	0.110	0.375	2.50	132-GFR087-6	○	\$71.91	132-GFR087-6A	○	\$83.13
0.375	0.088	0.500	0.110	0.375	2.50	132-GFR087-8	○	\$71.91	132-GFR087-8A	●	\$83.13
0.375	0.088	0.750	0.110	0.375	2.50	132-GFR087-12	○	\$71.91	132-GFR087-12A	○	\$83.13
0.375	0.088	1.000	0.110	0.375	2.50	132-GFR087-16	○	\$71.91	132-GFR087-16A	○	\$83.13
0.375	0.088	1.250	0.110	0.375	2.50	132-GFR087-20	○	\$71.91	132-GFR087-20A	○	\$83.13
0.375	0.125	0.500	0.110	0.375	2.50	132-GFR124-8	○	\$71.91	132-GFR124-8A	○	\$83.13
0.375	0.125	0.750	0.110	0.375	2.50	132-GFR124-12	○	\$71.91	132-GFR124-12A	●	\$83.13
0.375	0.125	1.000	0.110	0.375	2.50	132-GFR124-16	○	\$71.91	132-GFR124-16A	○	\$83.13
0.375	0.125	1.250	0.110	0.375	2.50	132-GFR124-20	○	\$71.91	132-GFR124-20A	○	\$83.13
0.500	0.094	0.500	0.160	0.500	3.00	132-GFR093-8	○	\$99.40	132-GFR093-8A	○	\$116.13
0.500	0.094	0.750	0.160	0.500	3.00	132-GFR093-12	○	\$99.40	132-GFR093-12A	●	\$116.13
0.500	0.094	1.000	0.160	0.500	3.00	132-GFR093-16	○	\$99.40	132-GFR093-16A	○	\$116.13
0.500	0.094	1.250	0.160	0.500	3.00	132-GFR093-20	○	\$99.40	132-GFR093-20A	○	\$116.13
0.500	0.094	1.500	0.160	0.500	3.00	132-GFR093-24	○	\$99.40	132-GFR093-24A	○	\$116.13
0.500	0.126	0.500	0.160	0.500	3.00	132-GFR125-8	○	\$99.40	132-GFR125-8A	○	\$116.13
0.500	0.126	0.750	0.160	0.500	3.00	132-GFR125-12	○	\$99.40	132-GFR125-12A	●	\$116.13
0.500	0.126	1.000	0.160	0.500	3.00	132-GFR125-16	○	\$99.40	132-GFR125-16A	○	\$116.13
0.500	0.126	1.250	0.160	0.500	3.00	132-GFR125-20	○	\$99.40	132-GFR125-20A	○	\$116.13
0.500	0.126	1.500	0.160	0.500	3.00	132-GFR125-24	○	\$99.40	132-GFR125-24A	○	\$116.13
0.500	0.157	0.500	0.160	0.500	3.00	132-GFR156-8	○	\$99.40	132-GFR156-8A	○	\$116.13
0.500	0.157	0.750	0.160	0.500	3.00	132-GFR156-12	○	\$99.40	132-GFR156-12A	●	\$116.13
0.500	0.157	1.000	0.160	0.500	3.00	132-GFR156-16	○	\$99.40	132-GFR156-16A	○	\$116.13
0.500	0.157	1.250	0.160	0.500	3.00	132-GFR156-20	○	\$99.40	132-GFR156-20A	●	\$116.13
0.500	0.157	1.500	0.160	0.500	3.00	132-GFR156-24	○	\$99.40	132-GFR156-24A	○	\$116.13
0.500	0.188	0.500	0.160	0.500	3.00	132-GFR187-8	○	\$99.40	132-GFR187-8A	○	\$116.13
0.500	0.188	0.750	0.160	0.500	3.00	132-GFR187-12	○	\$99.40	132-GFR187-12A	●	\$116.13
0.500	0.188	1.000	0.160	0.500	3.00	132-GFR187-16	○	\$99.40	132-GFR187-16A	○	\$116.13
0.500	0.188	1.250	0.160	0.500	3.00	132-GFR187-20	○	\$99.40	132-GFR187-20A	●	\$116.13
0.500	0.188	1.500	0.160	0.500	3.00	132-GFR187-24	○	\$99.40	132-GFR187-24A	○	\$116.13
0.500	0.251	0.500	0.160	0.500	3.00	132-GFR250-8	○	\$99.40	132-GFR250-8A	○	\$116.13
0.500	0.251	0.750	0.160	0.500	3.00	132-GFR250-12	○	\$99.40	132-GFR250-12A	●	\$116.13
0.500	0.251	1.000	0.160	0.500	3.00	132-GFR250-16	○	\$99.40	132-GFR250-16A	○	\$116.13
0.500	0.251	1.250	0.160	0.500	3.00	132-GFR250-20	○	\$99.40	132-GFR250-20A	●	\$116.13
0.500	0.251	1.500	0.160	0.500	3.00	132-GFR250-24	○	\$99.40	132-GFR250-24A	○	\$116.13

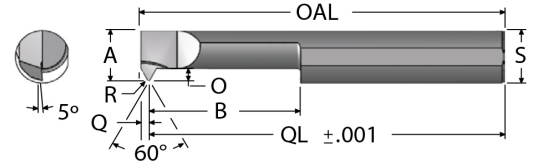
- Stock Caliber
- Factory Stock 5-7 Working Days



**THREADING TOOLS QUALIFIED - SOLID CARBIDE**



- \* 60° thread form for cutting UN, ISO, and NPT threads
- \* Positive rake improves surface finish and reduces burrs
- \* AlTiN+ coating provides better surface finish



"A" MIN BORE	"B" MAX DEPTH	"O" MIN OFFSET	"Q" LENGTH ±.001	"R" TOOL RADIUS	"QL" LENGTH ±.001	RECOM- MENDED TPI*	"S" SHANK DIA.	OAL	ITEM # UNCOATED	On Hand	Price	ITEM # AITiN+	On Hand	Price
0.060	0.150	0.020	0.014	0.0012	1.486	40 to 80	0.125	1.50	132-TTQ060150	○	\$48.18	132-TTQ060150A	○	\$55.63
0.060	0.200	0.020	0.014	0.0012	1.486	40 to 80	0.125	1.50	132-TTQ060200	○	\$48.18	132-TTQ060200A	●	\$55.63
0.060	0.250	0.020	0.014	0.0012	1.486	40 to 80	0.125	1.50	132-TTQ060250	○	\$48.18	132-TTQ060250A	○	\$55.63
0.060	0.300	0.020	0.014	0.0012	1.486	40 to 80	0.125	1.50	132-TTQ060300	○	\$48.18	132-TTQ060300A	●	\$55.63
0.075	0.200	0.020	0.014	0.0013	1.486	36 to 72	0.125	1.50	132-TTQ075200	○	\$48.18	132-TTQ075200A	○	\$55.63
0.075	0.300	0.020	0.014	0.0013	1.486	36 to 72	0.125	1.50	132-TTQ075300	○	\$48.18	132-TTQ075300A	○	\$55.63
0.075	0.400	0.020	0.014	0.0013	1.486	36 to 72	0.125	1.50	132-TTQ075400	○	\$48.18	132-TTQ075400A	○	\$55.63
0.090	0.200	0.025	0.017	0.0015	1.483	32 to 64	0.125	1.50	132-TTQ090200	○	\$48.18	132-TTQ090200A	○	\$55.63
0.090	0.300	0.025	0.017	0.0015	1.483	32 to 64	0.125	1.50	132-TTQ090300	○	\$48.18	132-TTQ090300A	●	\$55.63
0.090	0.400	0.025	0.017	0.0015	1.483	32 to 64	0.125	1.50	132-TTQ090400	○	\$48.18	132-TTQ090400A	○	\$55.63
0.090	0.500	0.025	0.017	0.0015	1.483	32 to 64	0.125	1.50	132-TTQ090500	○	\$48.18	132-TTQ090500A	●	\$55.63
0.120	0.250	0.030	0.021	0.0017	1.979	24 to 56	0.1875	2.00	132-TTQ120250	○	\$53.24	132-TTQ120250A	○	\$61.53
0.120	0.400	0.030	0.021	0.0017	1.979	24 to 56	0.1875	2.00	132-TTQ120400	○	\$53.24	132-TTQ120400A	○	\$61.53
0.120	0.600	0.030	0.021	0.0017	1.979	24 to 56	0.1875	2.00	132-TTQ120600	○	\$53.24	132-TTQ120600A	○	\$61.53
0.120	0.750	0.030	0.021	0.0017	1.979	24 to 56	0.1875	2.00	132-TTQ120750	○	\$53.24	132-TTQ120750A	●	\$61.53
0.150	0.350	0.035	0.023	0.0017	1.977	20 to 56	0.1875	2.00	132-TTQ150350	○	\$53.24	132-TTQ150350A	○	\$61.53
0.150	0.500	0.035	0.023	0.0017	1.977	20 to 56	0.1875	2.00	132-TTQ150500	○	\$53.24	132-TTQ150500A	○	\$61.53
0.150	0.750	0.035	0.023	0.0017	1.977	20 to 56	0.1875	2.00	132-TTQ150750	○	\$53.24	132-TTQ150750A	○	\$61.53
0.180	0.350	0.040	0.027	0.0017	2.473	18 to 56	0.250	2.50	132-TTQ180350	○	\$58.90	132-TTQ180350A	○	\$68.13
0.180	0.500	0.040	0.027	0.0017	2.473	18 to 56	0.250	2.50	132-TTQ180500	○	\$58.90	132-TTQ180500A	●	\$68.13
0.180	0.750	0.040	0.027	0.0017	2.473	18 to 56	0.250	2.50	132-TTQ180750	○	\$58.90	132-TTQ180750A	○	\$68.13
0.180	1.000	0.040	0.027	0.0017	2.473	18 to 56	0.250	2.50	132-TTQ1801000	○	\$58.90	132-TTQ1801000A	●	\$68.13
0.200	0.400	0.045	0.029	0.0024	2.471	16 to 40	0.250	2.50	132-TTQ200400	○	\$58.90	132-TTQ200400A	○	\$68.13
0.200	0.600	0.045	0.029	0.0024	2.471	16 to 40	0.250	2.50	132-TTQ200600	○	\$58.90	132-TTQ200600A	○	\$68.13
0.200	0.800	0.045	0.029	0.0024	2.471	16 to 40	0.250	2.50	132-TTQ200800	○	\$58.90	132-TTQ200800A	○	\$68.13
0.200	1.000	0.045	0.029	0.0024	2.471	16 to 40	0.250	2.50	132-TTQ2001000	○	\$58.90	132-TTQ2001000A	●	\$68.13
0.230	0.600	0.055	0.038	0.0024	2.462	14 to 40	0.3125	2.50	132-TTQ230600	○	\$68.24	132-TTQ230600A	●	\$78.45
0.230	0.750	0.055	0.038	0.0024	2.462	14 to 40	0.3125	2.50	132-TTQ230750	○	\$68.24	132-TTQ230750A	○	\$78.45
0.230	1.000	0.055	0.038	0.0024	2.462	14 to 40	0.3125	2.50	132-TTQ2301000	○	\$68.24	132-TTQ2301000A	●	\$78.45
0.230	1.250	0.055	0.038	0.0024	2.462	14 to 40	0.3125	2.50	132-TTQ2301250	○	\$68.24	132-TTQ2301250A	○	\$78.45
0.290	0.500	0.070	0.047	0.0024	2.453	12 to 40	0.3125	2.50	132-TTQ290500	○	\$68.24	132-TTQ290500A	○	\$78.45
0.290	0.750	0.070	0.047	0.0024	2.453	12 to 40	0.3125	2.50	132-TTQ290750	○	\$68.24	132-TTQ290750A	●	\$78.45
0.290	1.000	0.070	0.047	0.0024	2.453	12 to 40	0.3125	2.50	132-TTQ2901000	○	\$68.24	132-TTQ2901000A	○	\$78.45
0.290	1.250	0.070	0.047	0.0024	2.453	12 to 40	0.3125	2.50	132-TTQ2901250	○	\$68.24	132-TTQ2901250A	●	\$78.45
0.290	1.500	0.070	0.047	0.0024	2.453	12 to 40	0.3125	2.50	132-TTQ2901500	○	\$68.24	132-TTQ2901500A	○	\$78.45
0.320	0.500	0.075	0.049	0.0030	2.451	10 to 32	0.375	2.50	132-TTQ320500	○	\$90.18	132-TTQ320500A	○	\$101.39
0.320	0.750	0.075	0.049	0.0030	2.451	10 to 32	0.375	2.50	132-TTQ320750	○	\$90.18	132-TTQ320750A	○	\$101.39
0.320	1.000	0.075	0.049	0.0030	2.451	10 to 32	0.375	2.50	132-TTQ3201000	○	\$90.18	132-TTQ3201000A	○	\$101.39
0.320	1.250	0.075	0.049	0.0030	2.451	10 to 32	0.375	2.50	132-TTQ3201250	○	\$90.18	132-TTQ3201250A	○	\$101.39
0.320	1.500	0.075	0.049	0.0030	2.451	10 to 32	0.375	2.50	132-TTQ3201500	○	\$90.18	132-TTQ3201500A	○	\$101.39
0.360	0.500	0.080	0.057	0.0040	2.443	8 to 24	0.375	2.50	132-TTQ360500	○	\$90.18	132-TTQ360500A	○	\$101.39
0.360	0.750	0.080	0.057	0.0040	2.443	8 to 24	0.375	2.50	132-TTQ360750	○	\$90.18	132-TTQ360750A	○	\$101.39
0.360	1.000	0.080	0.057	0.0040	2.443	8 to 24	0.375	2.50	132-TTQ3601000	○	\$90.18	132-TTQ3601000A	○	\$101.39
0.360	1.250	0.080	0.057	0.0040	2.443	8 to 24	0.375	2.50	132-TTQ3601250	○	\$90.18	132-TTQ3601250A	○	\$101.39
0.360	1.500	0.080	0.057	0.0040	2.443	8 to 24	0.375	2.50	132-TTQ3601500	○	\$90.18	132-TTQ3601500A	○	\$101.39

\*TPI = Threads Per Inch

● Stock Caliber

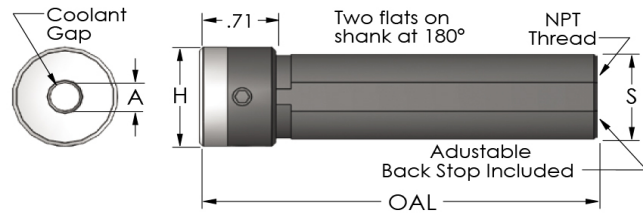
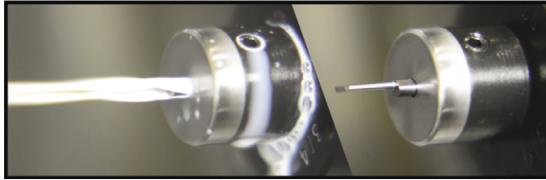
○ Factory Stock 5-7 Working Days



## COOLANT RING TECHNOLOGY CRT HOLDERS (INCH)



US Made Tools



- \* Made with heat-treated steel
- \* Use with SCT qualified tools for quicker tool changes
- \* Features two lock-down screws for max rigidity
- \* Coolant flow surrounds the tool for maximum cooling

"A" INSIDE DIA.	"S" SHANK DIA.	"H" HEAD DIA.	NPT THREAD	OAL	ITEM #	On Hand	Price
0.1250	0.500	0.625	1/8-27NPT	2.84	132-CRT500-125	○	\$179.74
0.1875	0.500	0.625	1/8-27NPT	2.84	132-CRT500-187	●	\$179.74
0.2500	0.500	0.625	1/8-27NPT	2.84	132-CRT500-250	●	\$179.74
0.1250	0.625	0.750	1/4-18NPT	3.34	132-CRT625-125	●	\$179.74
0.1875	0.625	0.750	1/4-18NPT	3.34	132-CRT625-187	●	\$179.74
0.2500	0.625	0.750	1/4-18NPT	3.34	132-CRT625-250	●	\$179.74
0.3125	0.625	0.750	1/4-18NPT	3.34	132-CRT625-312	○	\$179.74
0.1250	0.750	0.865	3/8-18NPT	3.34	132-CRT750-125	●	\$179.74
0.1875	0.750	0.865	3/8-18NPT	3.34	132-CRT750-187	○	\$179.74
0.2500	0.750	0.865	3/8-18NPT	3.34	132-CRT750-250	○	\$179.74
0.3125	0.750	0.865	3/8-18NPT	3.34	132-CRT750-312	●	\$179.74
0.3750	0.750	0.865	3/8-18NPT	3.34	132-CRT750-375	●	\$179.74
0.1250	1.000	1.115	1/2-14NPT	3.34	132-CRT1000-125	○	\$179.74
0.1875	1.000	1.115	1/2-14NPT	3.34	132-CRT1000-187	○	\$179.74
0.2500	1.000	1.115	1/2-14NPT	3.34	132-CRT1000-250	○	\$179.74
0.3125	1.000	1.115	1/2-14NPT	3.34	132-CRT1000-312	○	\$179.74
0.3750	1.000	1.115	1/2-14NPT	3.34	132-CRT1000-375	○	\$179.74
0.5000	1.000	1.1150	1/2-14NPT	3.34	132-CRT1000-500	○	\$179.74

- Stock Caliber
- Factory Stock 5-7 Working Days

DISTRIBUTED BY:



5500 Tomken Rd, Unit #2  
Mississauga, ON L4W 2Z4  
www.caliberindustrial.com  
sales@caliberindustrial.com

MISSISSAUGA: 905.624.5524  
TORONTO: 416.626.7151  
TOLL FREE: 1.800.465.5743  
FAX: 905.602.8758

**\* Special Available Until Further Notice \***