

BRT-C27



BRT-TOOLS



eagleindustrial.ca

RE-TOOL YOUR METAL SHOP



FOR EVERYDAY MACHINING



100%
CANADIAN
owned & operated



SMITH
industrial supply



GRATTEC

manufactured by NOGA

interchangeable with Shaviv

GT Countersink

For deburring and countersinking.
Most useful for deep holes.

Includes:

- Blade Holder *EL0300GT*. Holds all "C" Countersinks.
- H.S.S. Ø 20mm, *GT-C20*, HSS Countersink.
- Universal Handle *EL1000GT*.



Part No.
EL1300GT

Sale Price
\$45.49

GT "B" Set

Most universal set. Accepts all "B" types blades.

Includes:

- Blade Holder *EL0100GT* which telescopes from 6-125mm. Holds all "B" (Ø2.6mm) blades
- One each *GT-B10* and *GT-B20* HSS blade inside the Handle.
- Universal Handle *EL1000GT* which can store spare blades.



Part No.
EL1100GT

Sale Price
\$18.99

GT "E" Set

Similar to the GT "B" set but takes the heavy-duty "E" (Ø3.2mm) blades.

Includes:

- Blade Holder *EL0200GT* which telescopes from 6-125mm. Holds all "E" (3.2mm) blades
- One each *GT-E100*, *GT-E200*, *GT-E300* blade.
- Universal Handle *EL1000GT* which can store spare blades.



Part No.
EL1200GT

Sale Price
\$23.01

GT Internal Scraper

For deburring cross holes.

Includes:

- Blade Holder *EL0500GT*. An M3 set screw is holding the blade.
- 45° HSS scraper *GT-D66* blade.
- Universal Handle *EL1000GT*.



Part No.
EL1501GT

Sale Price
\$23.55

Grat-Tec Double-Burr

Most useful for deburring sheet metal. Simultaneously removes burrs from both sides of sheet metal. Range 0-12mm.

Includes:

- Handle with special hand guard.
- 2 pcs. HSS round blades *GT-N80*.



Part No.
DB2000GT

Sale Price
\$35.97

Grat-Tec RotoDrive "GT-U"

Patented

For fast effective chamfering and countersinking.

Includes:

- New non-telescoping Handle with steel bushing. *EL2100GT*.
- RotoDrive Ø16.5mm HSS Countersink, *GT-BC1650*.



Part No.
EL6500GT

Sale Price
\$30.00

Rapid-Burr

Slim grip Aluminum Handle with one replaceable blade, *GT-E100*.

Includes:

- 12mm Hexagonal painted handle. Holds all Ø3.2mm "E" type blades.
- One HSS blade *GT-E100*.



Part No.
RB1000GT

Sale Price
\$12.11

Plastic Edge-Off

Most competitive tool. The blade is replaceable.

Includes:

- 8mm Hexagonal plastic handle with pocket clip.
- One HSS Blade *GT-E100*.



Part No.
E02000GT

Sale Price
\$4.37

RotoDrive Countersink

The quickest way to chamfer by hand.

Includes:

- Grattec Burr Handle *NB1000GT*.
- RotoDrive Countersink *GT-BC1040*.
- Range: 0-10.4mm



Part No.
RD1040GT

Sale Price
\$31.21

External Countersink

Chamfers the O.D. on bars and tubes range 4-18mm

Includes:

- Grattec Burr Handle *NB1000GT*.
- External RotoDrive HSS countersink *GT-EX2000*.
- Range: 4-18mm



Part No.
RD4000GT

Sale Price
\$29.69

Large Reversible Countersink

Patented

For deburring both back side and front side of holes.

Includes:

- Steel handle and blade *GT-BR2200*.
- Range: 10-22mm.



Part No.
RC2000GT

Sale Price
\$52.79

Reversible Countersink

Patented

For deburring both back side and front side of holes.

Includes:

- Steel handle and blade *GT-BR2000*.
- Range: 5.5-10mm.



Part No.
RC2000GT

Sale Price
\$41.96

Mini Reversible Countersink

Patented

For deburring both back side and front side of holes.

Includes:

- Steel handle and small blade *GT-BR1000*.
- Range: 3-5.5mm.



Part No.
RC1000GT

Sale Price
\$39.59

Mini RotoDrive Countersink

Deburs and countersinks small holes 0-3.0 mm diameter.



Part No.
FT1200GT

Sale Price
\$12.41

Mini Scraper

Fine triangular HSS mini-scraper ideal for Tool and Die Maker.



Part No.
FT1100GT

Sale Price
\$13.98

Mini Universal Deburring Tool

A tool with finest HSS blade *GT-E150* for extra fine jobs.



Part No.
FT1000GT

Sale Price
\$5.95

Countersinks

GT-C12 \$25.98		HSS Ø12 mm 90° two flutes countersink
GT-C20 \$30.65		HSS Ø20 mm 90° two flutes countersink
GT-C30 \$49.25		HSS Ø30 mm 90° two flutes countersink
GT-BC8300 \$23.93		Patented cranked HSS RotoDrive countersink 0-8.3mm.
GT-BC1650 \$29.30		Patented cranked HSS RotoDrive countersink 0-16.5mm.
GT-EX2000 \$21.74		Patented cranked HSS external countersink 4-18mm.
GT-BR2200 \$21.14		For cross holes 10-22mm. HSS Blade for RC2200GT
GT-BR2000 \$21.14		For cross holes 5.5-10mm. HSS Blade for RC2000GT
GT-BR1000 \$18.06		For cross holes 3-5.5mm. HSS Blade for RC1000GT

Scrapers

GT-D50 \$11.86		HSS Hollow ground mini scraper 3.2 x 50mm. For very fine jobs. Used with D Holder EL0500GT.
GT-D55 \$17.05		Solid carbide GT-D50
GT-T60 \$14.70		7 x 60mm HSS triangular scraper used with T Holder EL0602GT
GT-D66 \$7.69		3.2 x 50mm 45° H.S.S. internal scraper for cross holes. Used with D Holder EL0500GT.
GT-D77 \$9.82		Similar to D66 but 75mm long. Used with D Holder EL0500GT

Convexed Cera-Cut



Part No.
CR2000GT
Price
\$45.51

Ideal for all plastic materials. Suitable for surface scraping and parting line deflashing. Blade can be replaced. Includes: Cera-Cut handle and ceramic blade with radius R=250mm.

Optional Blade

Part No.
GT-CR2200
Price
\$34.33



- New articulated holder for a wide range of applications.
- Modular holder. Choose the arms that fit your needs.
- Fine adjustment on top with universal swivel clamp.
- Holds 6mm, 8mm, 3/8" and dovetail.
- Central locking mechanism with HOLDTEC designed spring loaded bearing.
- Five Axis holder.
- Powerful on/off magnetic base.
- Instant fixation at any position.
- Fast and easy to set up gauges into required position.
- Gold finished arms.

Bottom Order No.	Holder Bottom Thread	Weight Kg	Arm Length			Force N	Magnet Dimension			Sale Price
			Bottom	Arm	Total		W	L	H	
HT2100	Ext. M5	0.430	80	50	201	320	30	40	35	\$150.80
HT3200	Ext. M8	1.245	110	80	261	800	50	60	55	\$250.57
HT4300	Ext. M8	1.420	140	110	321	800	50	60	55	\$269.33

GRATTEC

blades are manufactured by NOGA and interchangeable with Shaviv

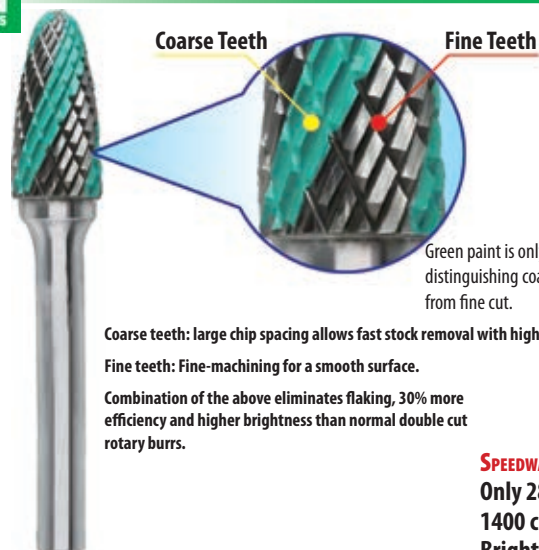
Swivel Blades

GT-B10 \$1.55		HSS blade light duty for steel, aluminum & plastic
GT-B10L \$3.76		B10 for left handed user
GT-B10S \$2.32		Super hard B10 Cobalt (M35) Blade for stainless steel & plastics
GT-B10TIN \$3.13		B10 Tin coated for long life
GT-B10C \$7.23		Solid carbide B10 blade for hardened steel & plastic
GT-B20 \$1.55		HSS blade light duty for brass & cast iron. For both right & left hand users.
GT-B20C \$7.79		Solid carbide B20 blade for hardened steel & hard plastics
GT-B30 \$3.30		HSS blade removes internal & external burrs simultaneously from holes drilled into tubing & sheet metal
GT-E100 \$2.32		HSS blade heavy duty for steel, aluminum & plastic
GT-E100L \$2.19		E100 for left handed users
GT-E100TIN \$3.13		E100 Tin coated for longer life
GT-E100C \$10.93		Solid carbide E1000 blade for hardened steel & plastics
GT-E100S \$2.73		Super hard E100 cobalt (M35) Blade for stainless steel & plastics
GT-E101 \$2.69		H.S.S. blade with heavy duty shank & fine cutting edge for steel & aluminum
GT-E101L \$4.30		E101 for left handed users
GT-E101TIN \$6.34		E101 Tin coated for long life
GT-E150 \$2.32		HSS blade heavy duty shank for holes as small as 1.5 mm dia.
GT-E200 \$2.32		HSS blade heavy duty for brass & cast iron. For both right & left handed users
GT-E200C \$13.78		Solid carbide E200 blade for hardened materials & plastics
GT-E202 \$2.32		HSS blade heavy duty shank. Fine cutting edge for brass & cast iron
GT-E300 \$2.68		HSS blade removes internal & external burrs simultaneously from holes drilled into tubing & sheet metal
GT-E350 \$2.68		HSS blade. Heavy duty for straight lines
GT-E600 \$4.55		HSS blade. Heavy duty for cross holes in difficult to reach places
GT-BC1000 \$9.59		Patented HSS blade. For deburring and cleaning internal threads above 9mm dia.
GT-B01000 \$14.29		Patented HSS blade for deburring "O" Ring grooves up to 3mm width.



CARBIDE BURRS

Speedway®



Coarse teeth: large chip spacing allows fast stock removal with high efficiency.

Fine teeth: Fine-machining for a smooth surface.

Combination of the above eliminates flaking, 30% more efficiency and higher brightness than normal double cut rotary burrs.

SPEEDWAY CARBIDE BURR

Only 28 seconds Grinding Time

1400 cm Durability

Bright & Smooth surface finish is the Result

Grinding Comparison

Dia. 1/2" (12.7mm) SF-5M burr/Dry
#45 carbon steel plate
25/64" (10mm) thickness

DOUBLE CUT BURR

54 seconds Grinding time

1040 cm Durability

Dark & rough surface finish

SPEEDWAY CUT SETS



TEC-A01XM1T2

5 Pc. Set: Contains SA-3, SC-3, SD-3, SE-3, SG-3

\$92.37

TEC-27AR00042

5 Pc. Set: Contains SA-5, SC-5, SD-5, SE-5, SG-5

124.56

TEC-27AR00041

8 Pc. Set: Contains SA-1, SB-1, SC-1, SD-1, SE-1, SF-1, SG-1, SL-1

124.56

Cylindrical - Flat End, Non End Cut



double cut
shown

Shank Diameter	Head Diameter	Cut Length	Trade No.	Single Cut	Price	Double Cut	Price	Speedway Cut	Price
3/32"	1/16"	1/4"	SA-61	BRT-12101	\$8.33	BRT-12102	\$8.33	-	-
3/32"	3/32"	3/8"	SA-63	BRT-12103	8.33	BRT-12104	8.33	-	-
1/8"	1/16"	1/4"	SA-41	BRT-12105	8.76	BRT-12106	8.76	-	-
1/8"	3/32"	7/16"	SA-42	BRT-12107	8.76	BRT-12108	8.76	-	-
1/8"	1/8"	9/16"	SA-43	BRT-12109	8.76	BRT-12110	8.76	-	-
1/8"	5/32"	1/2"	SA-52	BRT-12111	14.00	BRT-12112	14.00	-	-
1/8"	3/16"	1/2"	SA-53	BRT-12113	14.00	BRT-12114	14.00	-	-
1/8"	1/4"	1/2"	SA-51	BRT-12115	14.00	BRT-12116	14.00	-	-
3/16"	3/16"	1/2"	SA-81	BRT-12117	10.92	BRT-12118	10.92	-	-
1/4"	1/8"	1/2"	SA-11	BRT-12119	15.74	BRT-12120	15.74	-	-
1/4"	1/8"	5/8"	SA-12	BRT-12121	12.58	BRT-12122	12.58	-	-
1/4"	5/32"	5/8"	SA-13	BRT-12123	12.58	BRT-12124	12.58	-	-
1/4"	3/16"	5/8"	SA-14	BRT-12125	12.58	BRT-12126	12.58	-	-
1/4"	1/4"	5/8"	SA-1	BRT-12127	12.31	BRT-12128	12.31	BRT-12128SW	\$15.18
1/4"	1/4"	1"	SA-1L	BRT-12129	16.71	BRT-12130	16.71	-	-
1/4"	5/16"	3/4"	SA-2	BRT-12131	12.31	BRT-12132	12.31	-	-
1/4"	3/8"	3/4"	SA-3	BRT-12133	15.99	BRT-12134	15.99	BRT-12134SW	18.14
1/4"	3/8"	1"	SA-3L	BRT-12135	19.74	BRT-12136	19.74	-	-
1/4"	7/16"	1"	SA-4	BRT-12139	19.70	BRT-12140	19.70	-	-
1/4"	1/2"	1"	SA-5	BRT-12141	26.00	BRT-12142	26.00	BRT-12142SW	26.94
1/4"	5/8"	1"	SA-6	BRT-12143	34.25	BRT-12144	34.25	-	-
1/4"	3/4"	1/2"	SA-15	BRT-12145	45.09	BRT-12146	45.09	-	-
1/4"	3/4"	3/4"	SA-16	BRT-12147	55.71	BRT-12148	55.71	-	-
1/4"	3/4"	1"	SA-7	BRT-12149	44.68	BRT-12150	44.68	-	-
1/4"	1"	1"	SA-9	BRT-12151	65.31	BRT-12152	65.31	-	-

Cylindrical - Flat End, End Cut



double cut
shown

Shank Diameter	Head Diameter	Cut Length	Trade No.	Single Cut	Price	Double Cut	Price	Speedway Cut	Price
1/8"	1/16"	1/4"	SB-41	BRT-12201	\$8.76	BRT-12202	\$8.76	-	-
1/8"	3/32"	7/16"	SB-42	BRT-12203	8.76	BRT-12204	8.76	-	-
1/8"	1/8"	9/16"	SB-43	BRT-12205	8.76	BRT-12206	8.76	-	-
1/8"	1/4"	3/16"	SB-51	BRT-12207	12.31	BRT-12208	12.31	-	-
1/4"	1/8"	1/2"	SB-11	BRT-12209	12.76	BRT-12210	12.76	-	-
1/4"	1/8"	5/8"	SB-12	BRT-12211	12.76	BRT-12212	12.76	-	-
1/4"	5/32"	5/8"	SB-13	BRT-12213	16.11	BRT-12214	16.11	-	-
1/4"	3/16"	5/8"	SB-14	BRT-12215	12.76	BRT-12216	12.76	-	-
1/4"	1/4"	5/8"	SB-1	BRT-12217	12.57	BRT-12218	12.57	BRT-12218SW	\$15.18
1/4"	1/4"	1"	SB-1L	BRT-12219	18.06	BRT-12220	18.06	-	-
1/4"	5/16"	3/4"	SB-2	BRT-12221	13.43	BRT-12222	13.43	-	-
1/4"	3/8"	3/4"	SB-3	BRT-12223	17.09	BRT-12224	17.09	BRT-12224SW	18.42
1/4"	7/16"	1"	SB-4	BRT-12225	20.79	BRT-12226	20.79	-	-
1/4"	1/2"	1"	SB-5	BRT-12227	26.17	BRT-12228	26.17	BRT-12228SW	27.67
1/4"	5/8"	1"	SB-6	BRT-12229	36.03	BRT-12230	36.03	-	-
1/4"	3/4"	1"	SB-7	BRT-12231	47.37	BRT-12232	47.37	-	-
1/4"	3/4"	1/2"	SB-15	BRT-12233	52.91	BRT-12234	52.91	-	-
1/4"	3/4"	3/4"	SB-16	BRT-12235	52.91	BRT-12236	52.91	-	-
1/4"	1"	1"	SB-9	BRT-12237	82.90	BRT-12238	82.90	-	-



CARBIDE BURRS

Cylindrical - Radius End



double cut shown

Shank Diameter	Head Diameter	Cut Length	Trade No.	Single Cut	Price	Double Cut	Price	Speedway Cut	Price
3/32"	3/32"	3/8"	SC-61	BRT-12301	\$8.33	BRT-12302	\$8.33	-	-
1/8"	3/32"	7/16"	SC-41	BRT-12303	8.76	BRT-12304	8.76	-	-
1/8"	1/8"	9/16"	SC-42	BRT-12305	8.76	BRT-12306	8.76	-	-
1/8"	5/32"	1/2"	SC-52	BRT-12307	14.00	BRT-12308	14.00	-	-
1/8"	3/16"	1/2"	SC-53	BRT-12309	14.00	BRT-12310	14.00	-	-
1/8"	1/4"	1/2"	SC-51	BRT-12311	14.00	BRT-12312	14.00	-	-
3/16"	3/16"	1/2"	SC-81	BRT-12313	10.92	BRT-12314	10.92	-	-
1/4"	1/8"	1/2"	SC-11	BRT-12315	11.43	BRT-12316	11.43	-	-
1/4"	1/8"	5/8"	SC-12	BRT-12317	12.58	BRT-12318	12.58	-	-
1/4"	5/32"	5/8"	SC-13	BRT-12319	12.58	BRT-12320	12.58	-	-
1/4"	3/16"	5/8"	SC-14	BRT-12321	12.58	BRT-12322	12.58	-	-
1/4"	1/4"	5/8"	SC-1	BRT-12323	12.57	BRT-12324	12.57	BRT-12324SW	\$15.18
1/4"	1/4"	1"	SC-1L	BRT-12325	18.01	BRT-12326	18.01	-	-
1/4"	5/16"	3/4"	SC-2	BRT-12327	12.08	BRT-12328	12.08	-	-
1/4"	3/8"	3/4"	SC-3	BRT-12329	15.50	BRT-12330	15.50	BRT-12330SW	18.42
1/4"	3/8"	1"	SC-3L	BRT-12331	19.74	BRT-12332	19.74	-	-
1/4"	7/16"	1"	SC-4	BRT-12335	19.03	BRT-12336	19.03	BRT-12336SW	23.51
1/4"	1/2"	1"	SC-5	BRT-12337	23.17	BRT-12338	23.17	BRT-12338SW	25.56
1/4"	5/8"	1"	SC-6	BRT-12339	32.26	BRT-12340	32.26	-	-
1/4"	3/4"	1/2"	SC-15	BRT-12341	55.71	BRT-12342	55.71	-	-
1/4"	3/4"	3/4"	SC-16	BRT-12343	68.30	BRT-12344	68.30	-	-
1/4"	3/4"	1"	SC-7	BRT-12345	47.86	BRT-12346	47.86	-	-
1/4"	1"	1"	SC-9	BRT-12347	76.73	BRT-12348	76.73	-	-

Flame



double cut shown

Shank Diameter	Head Diameter	Cut Length	Trade No.	Single Cut	Price	Double Cut	Price	Speedway Cut	Price
1/8"	1/8"	1/4"	SH-41	BRT-12401	\$8.76	BRT-12402	\$8.76	-	-
1/8"	3/16"	3/8"	SH-531	BRT-12403	14.00	BRT-12404	14.00	-	-
1/4"	1/4"	5/8"	SH-1	BRT-12405	12.57	BRT-12406	12.57	BRT-12406SW	\$15.18
1/4"	5/16"	3/4"	SH-2	BRT-12407	11.24	BRT-12408	11.24	BRT-12408SW	13.06
1/4"	1/2"	1-1/4"	SH-5	BRT-12409	23.17	BRT-12410	23.17	BRT-12410SW	24.76
1/4"	5/8"	1-7/16"	SH-6	BRT-12411	48.06	BRT-12412	48.06	-	-
1/4"	3/4"	1-5/8"	SH-7	BRT-12413	54.28	BRT-12414	54.28	-	-

Ball



double cut shown

Shank Diameter	Head Diameter	Cut Length	Trade No.	Single Cut	Price	Double Cut	Price	Speedway Cut	Price
3/32"	3/32"	3/32"	SD-61	BRT-12501	\$8.33	BRT-12502	\$8.33	-	-
1/8"	3/32"	3/32"	SD-41	BRT-12503	8.76	BRT-12504	8.76	-	-
1/8"	1/8"	1/8"	SD-42	BRT-12505	8.76	BRT-12506	8.76	-	-
1/8"	5/32"	5/32"	SD-52	BRT-12507	14.00	BRT-12508	14.00	-	-
1/8"	3/16"	3/16"	SD-53	BRT-12509	14.00	BRT-12510	14.00	-	-
1/8"	1/4"	1/4"	SD-51	BRT-12511	14.00	BRT-12512	14.00	-	-
3/16"	3/16"	3/16"	SD-81	BRT-12513	10.92	BRT-12514	10.92	-	-
1/4"	1/8"	3/32"	SD-11	BRT-12515	12.31	BRT-12516	12.31	-	-
1/4"	3/16"	1/8"	SD-14	BRT-12517	12.58	BRT-12518	12.58	-	-
1/4"	1/4"	3/16"	SD-1	BRT-12519	11.81	BRT-12520	11.81	BRT-12520SW	\$15.18
1/4"	5/16"	1/4"	SD-2	BRT-12521	10.20	BRT-12522	10.20	-	-
1/4"	3/8"	5/16"	SD-3	BRT-12523	12.53	BRT-12524	12.53	BRT-12524SW	17.18
1/4"	7/16"	3/8"	SD-4	BRT-12525	13.67	BRT-12526	13.67	-	-
1/4"	1/2"	7/16"	SD-5	BRT-12527	17.03	BRT-12528	17.03	BRT-12528SW	25.56
1/4"	5/8"	9/16"	SD-6	BRT-12529	24.37	BRT-12530	24.37	-	-
1/4"	3/4"	11/16"	SD-7	BRT-12531	34.38	BRT-12532	34.38	-	-
1/4"	1"	15/16"	SD-9	BRT-12533	55.10	BRT-12534	55.10	-	-

Oval / Egg



double cut shown

Shank Diameter	Head Diameter	Cut Length	Trade No.	Single Cut	Price	Double Cut	Price	Speedway Cut	Price
3/32"	3/32"	1/8"	SE-61	BRT-12801	\$8.33	BRT-12802	\$8.33	-	-
1/8"	1/8"	7/32"	SE-41	BRT-12803	8.76	BRT-12804	8.76	-	-
1/8"	3/16"	9/32"	SE-53	BRT-12805	14.00	BRT-12806	14.00	-	-
1/8"	1/4"	3/8"	SE-51	BRT-12807	14.00	BRT-12808	14.00	-	-
1/4"	3/16"	5/16"	SE-11	BRT-12809	13.59	BRT-12810	14.00	-	-
1/4"	1/4"	3/8"	SE-1	BRT-12811	11.56	BRT-12812	11.56	BRT-12812SW	\$15.18
1/4"	3/8"	5/8"	SE-3	BRT-12813	14.23	BRT-12814	14.23	BRT-12814SW	17.42
1/4"	1/2"	7/8"	SE-5	BRT-12815	20.35	BRT-12816	20.35	BRT-12816SW	24.35
1/4"	5/8"	1"	SE-6	BRT-12817	29.89	BRT-12818	29.89	-	-
1/4"	3/4"	1"	SE-7	BRT-12819	39.95	BRT-12820	39.95	-	-



CARBIDE BURRS

Tree - Radius End



double cut shown

Shank Diameter	Head Diameter	Cut Length	Trade No.	Single Cut	Price	Double Cut	Price	Speedway Cut	Price
3/32"	3/32"	1/4"	SF-61	BRT-12601	\$8.33	BRT-12602	\$8.33	-	-
1/8"	1/8"	1/4"	SF-41	BRT-12603	8.76	BRT-12604	8.76	-	-
1/8"	1/8"	1/2"	SF-42	BRT-12605	8.76	BRT-12606	8.76	-	-
1/8"	3/16"	1/2"	SF-53	BRT-12607	14.00	BRT-12608	14.00	-	-
1/8"	1/4"	1/2"	SF-51	BRT-12609	14.00	BRT-12610	14.00	-	-
3/16"	3/16"	1/2"	SF-81	BRT-12611	10.92	BRT-12612	10.92	-	-
1/4"	1/8"	1/2"	SF-11	BRT-12613	12.81	BRT-12614	12.81	-	-
1/4"	1/4"	5/8"	SF-1	BRT-12615	13.97	BRT-12616	13.97	BRT-12616SW	\$15.18
1/4"	3/8"	3/4"	SF-3	BRT-12617	15.29	BRT-12618	15.29	BRT-12618SW	17.17
1/4"	7/16"	1"	SF-4	BRT-12619	17.63	BRT-12620	21.62	-	-
1/4"	1/2"	1"	SF-5	BRT-12623	20.93	BRT-12624	20.35	BRT-12624SW	25.56
1/4"	5/8"	1"	SF-6	BRT-12625	28.28	BRT-12626	28.28	-	-
1/4"	3/4"	1"	SF-7	BRT-12627	36.60	BRT-12628	36.60	BRT-12628SW	45.74
1/4"	3/4"	1-1/4"	SF-8	BRT-12629	71.33	BRT-12630	71.33	-	-
1/4"	3/4"	1-1/2"	SF-15	BRT-12631	71.12	BRT-12632	71.12	-	-

Tree - Pointed End



double cut shown

Shank Diameter	Head Diameter	Cut Length	Trade No.	Single Cut	Price	Double Cut	Price	Speedway Cut	Price
3/32"	3/32"	1/4"	SG-61	BRT-12701	\$8.33	BRT-12702	\$8.33	-	-
1/8"	1/8"	1/4"	SG-41	BRT-12703	8.76	BRT-12704	8.76	-	-
1/8"	1/8"	1/2"	SG-44	BRT-12705	8.76	BRT-12706	8.76	-	-
1/8"	1/4"	1/2"	SG-51	BRT-12707	14.00	BRT-12708	14.00	-	-
1/8"	1/8"	5/16"	SG-42	BRT-12709	8.76	BRT-12710	8.76	-	-
1/8"	1/8"	3/8"	SG-43	BRT-12711	8.76	BRT-12712	8.76	-	-
1/8"	3/16"	1/2"	SG-53	BRT-12713	14.00	BRT-12714	14.00	-	-
3/16"	3/16"	1/2"	SG-81	BRT-12715	10.92	BRT-12716	10.92	-	-
1/4"	1/4"	5/8"	SG-1	BRT-12717	12.57	BRT-12718	12.57	BRT-12718SW	\$15.18
1/4"	5/16"	3/4"	SG-2	BRT-12719	11.07	BRT-12720	11.07	-	-
1/4"	3/8"	3/4"	SG-3	BRT-12721	13.91	BRT-12722	13.91	BRT-12722SW	16.86
1/4"	1/2"	3/4"	SG-13	BRT-12723	21.34	BRT-12724	21.34	-	-
1/4"	1/2"	1"	SG-5	BRT-12725	19.15	BRT-12726	19.15	BRT-12726SW	25.56
1/4"	5/8"	1"	SG-6	BRT-12727	26.57	BRT-12728	26.57	-	-
1/4"	3/4"	1"	SG-7	BRT-12729	35.18	BRT-12730	35.18	-	-
1/4"	3/4"	1-1/2"	SG-15	BRT-12731	71.12	BRT-12732	71.12	-	-

Cone



double cut shown

Shank Diameter	Head Diameter	Cut Length	Cut Angle	Trade No.	Single Cut	Price	Double Cut	Price
3/32"	3/32"	1/4"	10°	SM-61	BRT-12901	\$8.33	BRT-12902	\$8.33
1/8"	1/8"	11/32"	12°	SM-41	BRT-12903	8.76	BRT-12904	8.76
1/8"	1/8"	7/16"	14°	SM-42	BRT-12905	8.76	BRT-12906	8.76
1/8"	1/8"	5/8"	7°	SM-43	BRT-12907	8.76	BRT-12908	8.76
1/8"	3/16"	1/2"	16°	SM-53	BRT-12909	14.00	BRT-12910	14.00
1/8"	1/4"	1/2"	22°	SM-51	BRT-12911	14.00	BRT-12912	14.00
1/4"	1/4"	1/2"	22°	SM-1	BRT-12913	11.07	BRT-12914	11.07
1/4"	1/4"	3/4"	14°	SM-2	BRT-12915	12.08	BRT-12916	12.08
1/4"	1/4"	1"	10°	SM-3	BRT-12917	12.57	BRT-12918	12.57
1/4"	3/8"	5/8"	28°	SM-4	BRT-12919	13.46	BRT-12920	13.46
1/4"	1/2"	7/8"	28°	SM-5	BRT-12921	18.15	BRT-12922	18.15
1/4"	5/8"	1"	31°	SM-6	BRT-12923	22.82	BRT-12924	22.82

60° Cone



double cut shown

Shank Diameter	Head Diameter	Cut Length	Cut Angle	Trade No.	Single Cut	Price	Double Cut	Price
1/8"	1/8"	1/8"	60°	SJ-42	BRT-13001	\$8.76	BRT-13002	\$8.76
1/4"	1/4"	3/16"	60°	SJ-1	BRT-13003	11.56	BRT-13004	11.56
1/4"	3/8"	5/16"	60°	SJ-3	BRT-13005	13.21	BRT-13006	13.21
1/4"	1/2"	7/16"	60°	SJ-5	BRT-13007	16.27	BRT-13008	16.27
1/4"	5/8"	1/2"	60°	SJ-6	BRT-13009	23.51	BRT-13010	23.51
1/4"	3/4"	11/16"	60°	SJ-7	BRT-13011	31.85	BRT-13012	31.85
1/4"	1"	15/16"	60°	SJ-9	BRT-13013	41.99	BRT-13014	41.99



CARBIDE BURRS

90° CONE



double cut shown

Shank Diameter	Head Diameter	Cut Length	Cut Angle	Trade No.	Single Cut	Price	Double Cut	Price
1/8"	1/8"	1/16"	90°	SK-42	BRT-13101	\$6.98	BRT-13102	\$6.98
1/4"	1/4"	1/8"	90°	SK-1	BRT-13103	11.56	BRT-13104	11.56
1/4"	3/8"	3/16"	90°	SK-3	BRT-13105	12.81	BRT-13106	12.81
1/4"	1/2"	1/4"	90°	SK-5	BRT-13107	16.27	BRT-13108	16.27
1/4"	5/8"	5/16"	90°	SK-6	BRT-13109	23.11	BRT-13110	23.11
1/4"	3/4"	3/8"	90°	SK-7	BRT-13111	30.20	BRT-13112	30.20
1/4"	1"	1/2"	90°	SK-9	BRT-13113	40.13	BRT-13114	40.13

Inverted Cone



double cut shown

Shank Diameter	Head Diameter	Cut Length	Cut Angle	Trade No.	Single Cut	Price	Double Cut	Price
3/32"	3/32"	1/8"	/	SN-61	BRT-13201	\$8.33	BRT-13202	\$8.33
1/8"	3/32"	1/8"	/	SN-41	BRT-13203	8.76	BRT-13204	7.97
1/8"	1/8"	3/16"	/	SN-42	BRT-13205	7.97	BRT-13206	7.97
1/8"	3/16"	1/4"	/	SN-53	BRT-13207	14.00	BRT-13208	14.00
1/8"	1/4"	1/4"	/	SN-51	BRT-13209	14.00	BRT-13210	14.00
3/16"	3/16"	1/4"	/	SN-81	BRT-13211	10.92	BRT-13212	10.92
1/4"	1/4"	5/16"	/	SN-1	BRT-13213	12.08	BRT-13214	12.08
1/4"	3/8"	3/8"	/	SN-3	BRT-13215	18.74	BRT-13216	18.74
1/4"	1/2"	1/2"	28°	SN-4	BRT-13217	18.74	BRT-13218	18.74
1/4"	1/2"	1/2"	16°	SN-5	BRT-13219	24.47	BRT-13222	24.47
1/4"	3/4"	5/8"	/	SN-7	BRT-13223	29.99	BRT-13224	29.99

Taper - Radius End



double cut shown

Shank Diameter	Head Diameter	Cut Length	Cut Angle	Trade No.	Single Cut	Price	Double Cut	Price	Speedway Cut	Price
1/8"	1/8"	3/8"	8°	SL-41	BRT-13301	\$8.76	BRT-13302	\$8.76	-	-
1/8"	1/8"	1/2"	8°	SL-42	BRT-13303	8.76	BRT-13304	8.76	-	-
1/8"	3/16"	1/2"	14°	SL-53	BRT-13305	14.00	BRT-13306	14.00	-	-
3/16"	3/16"	7/16"	14°	SL-81	BRT-13307	10.92	BRT-13308	10.92	-	-
1/4"	1/4"	5/8"	14°	SL-1	BRT-13309	12.57	BRT-13310	12.57	-	-
1/4"	5/16"	7/8"	14°	SL-2	BRT-13311	12.57	BRT-13312	12.57	-	18.35
1/4"	3/8"	1-1/16"	14°	SL-3	BRT-13313	13.66	BRT-13314	13.66	-	-
1/4"	1/2"	1-1/8"	14°	SL-4	BRT-13315	21.64	BRT-13316	21.64	BRT-13316SW	23.69
1/4"	5/8"	1-3/16"	14°	SL-5	BRT-13317	28.50	BRT-13318	28.50	-	-
1/4"	5/8"	1-5/16"	14°	SL-6	BRT-13319	37.26	BRT-13320	37.26	-	-
1/4"	3/4"	1-1/2"	14°	SL-7	BRT-13321	54.68	BRT-13322	54.68	-	-

Alumacut Carbide Burrs

Cylindrical - Flat End



Shank Diameter	Head Diameter	Cut Length	Trade No.	Clog Free	Price
1/4"	1/4"	5/8"	SA-1F	BRT-13501	\$20.95
1/4"	3/8"	3/4"	SA-3F	BRT-13502	27.17
1/4"	1/2"	1"	SA-5F	BRT-13503	41.49
1/4"	5/8"	1"	SA-6F	BRT-13504	55.71
1/4"	3/4"	1"	SA-7F	BRT-13505	72.23

Tree - Flat End



Shank Diameter	Head Diameter	Cut Length	Trade No.	Clog Free	Price
1/4"	1/4"	5/8"	SL-1F	BRT-13551	\$21.35
1/4"	3/8"	1-1/16"	SL-3F	BRT-13552	25.54
1/4"	1/2"	1-1/8"	SL-5F	BRT-13553	34.86
1/4"	5/8"	1-3/16"	SL-6F	BRT-13554	51.65
1/4"	3/4"	1-1/2"	SL-7F	BRT-13556	75.32

Cylindrical - Radius End



Shank Diameter	Head Diameter	Cut Length	Trade No.	Clog Free	Price
1/4"	1/4"	5/8"	SC-1F	BRT-13521	\$21.35
1/4"	3/8"	3/4"	SC-3F	BRT-13522	26.38
1/4"	1/2"	1"	SC-5F	BRT-13523	39.40
1/4"	5/8"	1"	SC-6F	BRT-13524	51.65
1/4"	3/4"	1"	SC-7F	BRT-13525	65.86

Ball



Shank Diameter	Head Diameter	Cut Length	Trade No.	Clog Free	Price
1/4"	1/4"	1/4"	SD-1F	BRT-13561	\$20.10
1/4"	3/8"	3/8"	SD-3F	BRT-13562	21.27
1/4"	1/2"	1/2"	SD-5F	BRT-13563	28.94
1/4"	5/8"	9/16"	SD-6F	BRT-13564	39.86
1/4"	3/4"	11/16"	SD-7F	BRT-13565	53.05

Tree - Radius End



Shank Diameter	Head Diameter	Cut Length	Trade No.	Clog Free	Price
1/4"	1/4"	5/8"	SF-1F	BRT-13531	\$21.35
1/4"	3/8"	3/4"	SF-3F	BRT-13532	24.08
1/4"	1/2"	1"	SF-5F	BRT-13533	34.64
1/4"	5/8"	1"	SF-6F	BRT-13534	44.69
1/4"	3/4"	1"	SF-7F	BRT-13535	40.58

Oval / Egg



Shank Diameter	Head Diameter	Cut Length	Trade No.	Clog Free	Price
1/4"	3/8"	5/8"	SE-3F	BRT-13571	\$24.16
1/4"	1/2"	7/8"	SE-5F	BRT-13572	34.64
1/4"	5/8"	1"	SE-6F	BRT-13573	43.98
1/4"	3/4"	1"	SE-7F	BRT-13574	60.66



CARBIDE BURRS

Extra-Long Carbide Burrs

CYLINDRICAL - FLAT END



(double cut shown)

Shank Diameter	Head Diameter	Cut Length	Trade No.	Length	Double Cut	Price	Speedway Cut	Price
1/8"	1/16"	1/4"	SA-41L3	3"	BRT-13602	\$15.59	-	-
1/8"	1/8"	9/16"	SA-43L3	3"	BRT-13604	15.59	-	-
1/4"	3/8"	3/4"	SA-3L4	4"	BRT-13605	17.29	-	-
1/4"	1/4"	1/2"	SA-1L6	6"	BRT-13606	20.27	-	-
1/4"	3/8"	3/4"	SA-3L6	6"	BRT-13608	29.20	-	-
1/4"	1/2"	1"	SA-5L6	6"	BRT-13610	38.06	BRT-13610SW	\$52.12

CYLINDRICAL - FLAT END, END CUT



(double cut shown)

Shank Diameter	Head Diameter	Cut Length	Trade No.	Length	Double Cut	Price	Speedway Cut	Price
1/8"	1/8"	9/16"	SB-43L3	3"	BRT-13612	\$15.59	-	-
1/4"	3/8"	3/4"	SB-3L4	5"	BRT-13613	31.18	-	-
1/4"	3/8"	3/4"	SB-3L6	6"	-	-	BRT-13614SW	\$52.12

CYLINDRICAL - RADIUS END



(double cut shown)

Shank Diameter	Head Diameter	Cut Length	Trade No.	Length	Double Cut	Price	Speedway Cut	Price
1/8"	1/8"	9/16"	SC-42L3	3"	BRT-13622	\$15.59	-	-
1/4"	1/4"	1/2"	SC-1L6	6"	BRT-13624	20.27	-	-
1/4"	3/8"	3/4"	SC-3L4	4"	BRT-13629	30.10	-	-
1/4"	3/8"	3/4"	SC-3L6	6"	BRT-13626	29.23	BRT-13626SW	\$34.70
1/4"	1/2"	1"	SC-5L6	6"	BRT-13628	38.06	BRT-13628SW	52.12

TREE POINT



(double cut shown)

Shank Diameter	Head Diameter	Cut Length	Trade No.	Length	Double Cut	Price	Speedway Cut	Price
1/8"	1/8"	1/2"	SG-44L3	3"	BRT-13632	\$15.59	-	-
1/4"	1/4"	1/2"	SG-1L6	6"	BRT-13634	29.23	-	-
1/4"	1/2"	1"	SG-5L6	6"	BRT-13638	38.06	-	-

TREE - RADIUS END



(double cut shown)

Shank Diameter	Head Diameter	Cut Length	Trade No.	Length	Double Cut	Price	Speedway Cut	Price
1/8"	1/8"	1/2"	SF-42L3	3"	BRT-13642	\$15.59	-	-
1/4"	1/4"	1/2"	SF-1L6	6"	BRT-13644	20.27	-	-
1/4"	3/8"	3/4"	SF-3L6	6"	BRT-13646	29.23	-	-
1/4"	1/2"	1"	SF-5L6	6"	BRT-13648	38.06	-	-

BALL



(double cut shown)

Shank Diameter	Head Diameter	Cut Length	Trade No.	Length	Double Cut	Price	Speedway Cut	Price
1/8"	1/8"	1/8"	SD-42L3	3"	BRT-13652	\$15.59	-	-
1/4"	1/4"	7/32"	SD-1L6	6"	BRT-13654	20.27	-	-
1/4"	3/8"	5/16"	SD-3L6	6"	BRT-13656	20.27	-	-
1/4"	1/2"	7/16"	SD-5L6	6"	BRT-13658	299.23	BRT-13658SW	\$52.39

FLAME



(double cut shown)

Shank Diameter	Head Diameter	Cut Length	Trade No.	Length	Double Cut	Price
1/8"	1/8"	1/4"	SH-41L3	3"	BRT-13662	\$15.59
1/4"	3/8"	3/4"	SH-2L6	6"	BRT-13664	29.23
1/4"	1/2"	1-1/4"	SH-5L6	6"	BRT-13666	38.06

OVAL / EGG



(double cut shown)

Shank Diameter	Head Diameter	Cut Length	Trade No.	Length	Double Cut	Price
1/4"	1/4"	3/8"	SE-1L6	6"	BRT-13674	\$20.27
1/4"	3/8"	5/8"	SE-3L6	6"	BRT-13676	29.23
1/4"	1/2"	7/8"	SE-5L6	6"	BRT-13678	38.06

CONE POINT



(double cut shown)

Shank Diameter	Head Diameter	Cut Length	Trade No.	Length	Double Cut	Price
1/8"	1/8"	7/16"	SM-42L3	6"	BRT-13682	\$15.59

14° TAPER - RADIUS END



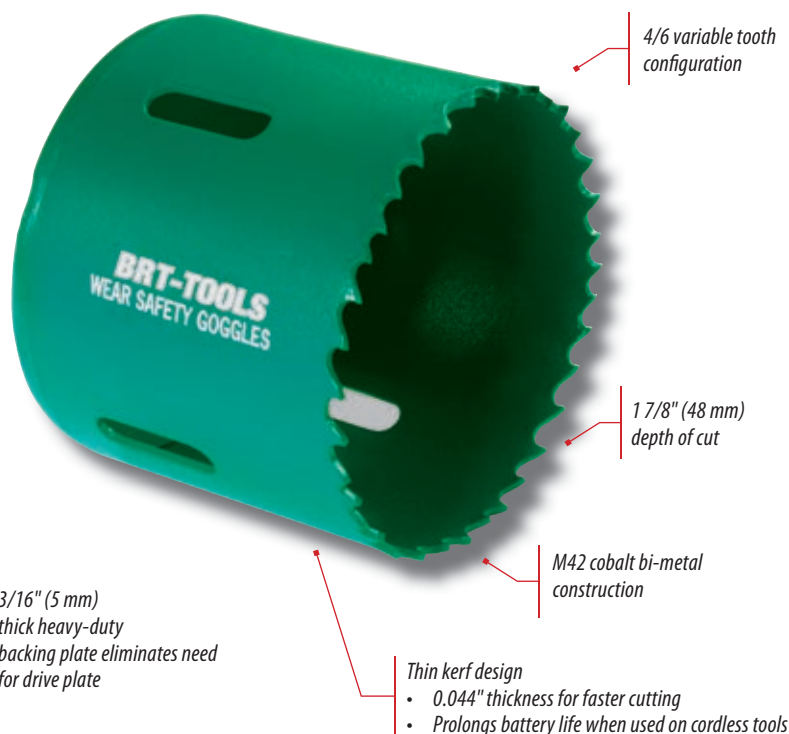
(double cut shown)

Shank Diameter	Head Diameter	Cut Length	Trade No.	Length	Double Cut	Price
1/4"	1/4"	5/8"	SL-1L6	6"	BRT-13694	\$20.27
1/4"	3/8"	1-1/16"	SL-3L6	6"	BRT-13696	29.23
1/4"	1/2"	1-1/8"	SL-4L6	6"	BRT-13698	38.06



Bi-Metal Hole Saws

M42 cobalt bi-metal cutting edge provides shock resistant teeth and resists tooth strippage. 4/6 positive tooth configuration allows for fast, smooth cuts and less vibration.



Part No.	INCHES	MM	Price
BRT-63000014	9/16	14	\$3.14
BRT-63000016	5/8	16	3.59
BRT-63000017	11/16	17	3.81
BRT-63000019	3/4	19	4.27
BRT-63000020	25/32	20	4.49
BRT-63000021	13/16	21	4.71
BRT-63000022	7/8	22	4.94
BRT-63000024	15/16	24	5.38
BRT-63000025	1	25	5.61
BRT-63000027	1-1/16	27	6.05
BRT-63000029	1-1/8	29	6.50
BRT-63000030	1-3/16	30	6.72
BRT-63000032	1-1/4	32	7.18
BRT-63000033	1-5/16	33	7.40
BRT-63000035	1-3/8	35	7.85
BRT-63000037	1-7/16	37	8.29
BRT-63000038	1-1/2	38	8.53
BRT-63000040	1-9/16	40	8.97
BRT-63000041	1-5/8	41	9.19
BRT-63000043	1-11/16	43	9.64
BRT-63000044	1-3/4	44	9.86
BRT-63000046	1-13/16	46	10.32
BRT-63000048	1-7/8	48	10.77
BRT-63000051	2	51	11.44
BRT-63000052	2-1/16	52	11.66
BRT-63000054	2-1/8	54	12.10
BRT-63000057	2-1/4	57	12.77
BRT-63000059	2-5/16	59	13.23
BRT-63000060	2-3/8	60	13.45
BRT-63000064	2-1/2	64	14.36
BRT-63000065	2-9/16	65	14.58
BRT-63000067	2-5/8	67	15.02
BRT-63000068	2-11/16	68	15.25
BRT-63000070	2-3/4	70	15.69
BRT-63000073	2-7/8	73	16.37
BRT-63000076	3	76	17.04
BRT-63000079	3-1/8	79	17.71
BRT-63000083	3-1/4	83	18.60
BRT-63000086	3-3/8	86	19.28
BRT-63000089	3-1/2	89	19.95
BRT-63000092	3-5/8	92	20.63
BRT-63000095	3-3/4	95	21.30
BRT-63000098	3-7/8	98	21.98
BRT-63000102	4	102	22.87
BRT-63000105	4-1/8	105	23.54
BRT-63000108	4-1/4	108	24.21
BRT-63000111	4-3/8	111	24.89
BRT-63000114	4-1/2	114	25.56
BRT-63000121	4-3/4	121	27.13
BRT-63000127	5	127	28.48
BRT-63000133	5-1/4	133	29.82
BRT-63000140	5-1/2	140	31.39
BRT-63000146	5-3/4	146	32.74
BRT-63000152	6	152	34.08

BRT-Tools Hole Saw Accessories

Part No.	Description	Picture	Price
BRT-63010002	Arbor - 9/16" to 1-3/16" 3/8" Shank	A	\$6.42
BRT-63020007	Arbor - 1-1/4" to 6" 3/8" Shank	B	7.13
BRT-63040300	12" Extension	C	10.39
BRT-63060082	3-1/4" x 1/4" Pilot Drill	D	2.22



C - 12" Extension for Round and Hex Shanks



TINTIP DRILLS - JOBBER LENGTH

PRECISION TOOLS

• Bright Finish HSS - 135° Split Point • Tin Coating on first 1/3 of flute • Suitable for Steel, Cast Steel, Cast Iron, Stainless Steel, and Aluminum • Right hand helix

FRACTIONAL

LETTER

WIRE GAUGE

Part No.	Fractional	Diameter Decimal	Flute Length	Overall Length	Price	Part No.	Fractional	Diameter Decimal	Flute Length	Overall Length	Price
BRT-TP182004	1/16	.0625	7/8	1-7/8	\$0.77	BRT-TP182019	19/64	.2969	3-1/16	4-3/8	2.61
BRT-TP182005	5/64	.0781	1	2	0.77	BRT-TP182020	5/16	.3125	3-3/16	4-1/2	2.68
BRT-TP182006	3/32	.0938	1-1/4	2-1/4	0.77	BRT-TP182021	21/64	.3281	3-5/16	4-5/8	2.99
BRT-TP182007	7/64	.1094	1-1/2	2-5/8	0.77	BRT-TP182022	11/32	.3438	3-7/16	4-3/4	3.57
BRT-TP182008	1/8	.1250	1-5/8	2-3/4	0.77	BRT-TP182023	23/64	.3594	3-1/2	4-7/8	3.70
BRT-TP182009	9/64	.1406	1-3/4	2-7/8	0.90	BRT-TP182024	3/8	.3750	3-5/8	5	4.39
BRT-TP182010	5/32	.1563	2	3-1/8	0.90	BRT-TP182025	25/64	.3906	3-3/4	5-1/8	4.65
BRT-TP182011	11/64	.1719	2-1/8	3-1/4	0.90	BRT-TP182026	13/32	.4063	3-7/8	5-1/4	5.34
BRT-TP182012	3/16	.875	2-5/16	3-1/2	1.22	BRT-TP182027	27/64	.4219	3-15/16	5-3/8	5.74
BRT-TP182013	13/64	.2031	2-7/16	3-5/8	1.47	BRT-TP182028	7/16	.4375	4-1/16	5-1/2	6.25
BRT-TP182014	7/32	.2188	2-1/2	3-3/4	1.60	BRT-TP182029	29/64	.4531	4-3/16	5-5/8	6.76
BRT-TP182015	15/64	.2344	2-5/8	3-7/8	1.62	BRT-TP182030	15/32	.4688	4-5/16	5-3/4	7.90
BRT-TP182016	1/4	.2500	2-3/4	4	1.77	BRT-TP182031	31/64	.4844	4-3/8	5-7/8	7.96
BRT-TP182017	17/64	.2656	2-7/8	4-1/8	2.04	BRT-TP182032	1/2	.5000	4-1/2	6	8.86
BRT-TP182018	9/32	.2613	2-15/16	4-1/4	2.43						

Part No.	Letter	Diameter Decimal D1	Flute Length L1	Overall Length L2	Price	Part No.	Letter	Diameter Decimal D1	Flute Length L1	Overall Length L2	Price
BRT-TP139101	A	.2340	2-5/8	3-7/8	\$2.60	BRT-TP139114	N	.3020	3-1/16	4-3/8	4.45
BRT-TP139102	B	.2380	2-3/4	4	2.60	BRT-TP139115	O	.3160	3-3/16	4-1/2	5.49
BRT-TP139103	C	.2420	2-3/4	4	2.60	BRT-TP139116	P	.3230	3-5/16	4-5/8	5.49
BRT-TP139104	D	.2460	2-3/4	4	2.60	BRT-TP139117	Q	.3320	3-7/16	4-3/4	5.49
BRT-TP139105	E	.2500	2-3/4	4	2.60	BRT-TP139118	R	.3390	3-7/16	4-3/4	6.65
BRT-TP139106	F	.2570	2-7/8	4-1/8	3.35	BRT-TP139119	S	.3480	3-1/2	4-7/8	6.65
BRT-TP139107	G	.2610	2-7/8	4-1/8	3.35	BRT-TP139120	T	.3580	3-1/2	4-7/8	7.22
BRT-TP139108	H	.2660	2-7/8	4-1/8	3.35	BRT-TP139121	U	.3680	3-5/8	5	7.22
BRT-TP139109	I	.2720	2-7/8	4-1/8	3.35	BRT-TP139122	V	.3770	3-5/8	5	7.22
BRT-TP139110	J	.2770	2-7/8	4-1/8	3.99	BRT-TP139123	W	.3860	3-3/4	5-1/8	9.01
BRT-TP139111	K	.2810	2-15/16	4-1/4	3.99	BRT-TP139124	X	.3970	3-3/4	5-1/8	9.01
BRT-TP139112	L	.2900	2-15/16	4-1/4	3.99	BRT-TP139125	Y	.4040	3-7/8	5-1/4	9.01
BRT-TP139113	M	.2950	3-1/16	4-3/8	3.99	BRT-TP139126	Z	.4130	3-7/8	5-1/4	9.01

Part No.	Wire Gauge D1	Diameter Decimal	Flute Length L1	Overall Length L2	Price	Part No.	Wire Gauge D1	Diameter Decimal	Flute Length L1	Overall Length L2	Price
BRT-TP138256	1	.2280	2-5/8	3-7/8	\$2.37	BRT-TP138228	29	.1360	1-3/4	2-7/8	\$0.99
BRT-TP138255	2	.2210	2-5/8	3-7/8	2.37	BRT-TP138227	30	.1285	1-5/8	2-3/4	0.99
BRT-TP138254	3	.2130	2-1/2	3-3/4	2.37	BRT-TP138226	31	.1200	1-5/8	2-3/4	0.99
BRT-TP138253	4	.2090	2-1/2	3-3/4	2.08	BRT-TP138225	32	.1160	1-5/8	2-3/4	0.87
BRT-TP138252	5	.2055	2-1/2	3-3/4	2.08	BRT-TP138224	33	.1130	1-1/2	2-5/8	0.87
BRT-TP138251	6	.2040	2-1/2	3-3/4	2.08	BRT-TP138223	34	.1110	1-1/2	2-5/8	0.87
BRT-TP138250	7	.2010	2-7/16	3-5/8	2.08	BRT-TP138222	35	.1100	1-1/2	2-5/8	0.87
BRT-TP138249	8	.1990	2-7/16	3-5/8	2.08	BRT-TP138221	36	.1065	1-7/16	2-1/2	0.87
BRT-TP138248	9	.1960	2-7/16	3-5/8	1.73	BRT-TP138220	37	.1040	1-7/16	2-1/2	0.87
BRT-TP138247	10	.1935	2-7/16	3-5/8	1.73	BRT-TP138219	38	.1015	1-7/16	2-1/2	0.87
BRT-TP138246	11	.1910	2-5/16	3-1/2	1.73	BRT-TP138218	39	.0995	1-3/8	2-3/8	0.87
BRT-TP138245	12	.1890	2-5/16	3-1/2	1.73	BRT-TP138217	40	.0980	1-3/8	2-3/8	0.76
BRT-TP138244	13	.1859	2-5/16	3-1/2	1.73	BRT-TP138216	41	.0960	1-3/8	2-3/8	0.76
BRT-TP138243	14	.1820	2-3/16	3-3/8	1.73	BRT-TP138215	42	.0935	1-1/4	2-1/4	0.76
BRT-TP138242	15	.1800	2-3/16	3-3/8	1.73	BRT-TP138214	43	.0890	1-1/4	2-1/4	0.76
BRT-TP138241	16	.1770	2-3/16	3-3/8	1.39	BRT-TP138213	44	.0860	1-1/8	2-1/8	0.76
BRT-TP138240	17	.1730	2-3/16	3-3/8	1.39	BRT-TP138212	45	.0820	1-1/8	2-1/8	0.76
BRT-TP138239	18	.1695	2-1/8	3-1/4	1.39	BRT-TP138211	46	.0810	1-1/8	2-1/8	0.76
BRT-TP138238	19	.1660	2-1/8	3-1/4	1.39	BRT-TP138210	47	.0785	1	2	0.58
BRT-TP138237	20	.1610	2-1/8	3-1/4	1.39	BRT-TP138209	48	.0760	1	2	0.58
BRT-TP138236	21	.1590	2-1/8	3-1/4	1.39	BRT-TP138208	49	.0730	1	2	0.58
BRT-TP138235	22	.1570	2	3-1/8	1.16	BRT-TP138207	50	.0700	1	2	0.58
BRT-TP138234	23	.1540	2	3-1/8	1.16	BRT-TP138206	51	.0670	1	2	0.58
BRT-TP138233	24	.1520	2	3-1/8	1.16	BRT-TP138205	52	.0635	7/8	1-7/8	0.58
BRT-TP138232	25	.1495	1-7/8	3	1.16	BRT-TP134204	53	.0595	7/8	1-7/8	0.58
BRT-TP138231	26	.1470	1-7/8	3	1.16	BRT-TP134203	54	.0550	7/8	1-7/8	0.58
BRT-TP138230	27	.1440	1-7/8	3	1.16	BRT-TP134202	55	.0520	7/8	1-7/8	0.58
BRT-TP138229	28	.1405	1-3/4	2-7/8	1.16	BRT-TP134201	56	.0465	3/4	1-3/4	0.58

TINTIP DRILL SETS

Part # - BRT-TP182SET

- HSS Jobber Length
- Split Point
- 1/16" - 1/2"
- 29 Pcs.

INCH

\$93.45

Part # - BRT-TP165SE2

- HSS Jobber Length
- Split Point
- 1.0mm - 13.0mm
- 25 Pcs.

METRIC

\$93.45



CARBIDE ENDMILLS

TOUGH ENDMILLS BUT FAIR PRICING!



ALU/MAX



Carbide, 3 Flute 45° Helix Regular Length

- High velocity milling of **ALUMINUM & OTHER NON-FERROUS MATERIALS**
- 3 flute and 45° helix allow harmonic balance at high speed condition and smooth cutting
- Improved surface roughness-cylindrical margin which is controlled tightly
- Maximum-metal removal rate
- Superior chip evacuation
- Mirror face-excellent surface finish

2 Flute Regular Length

These are designed for slotting, drilling, pocketing and general purpose operations.

Suitable for cutting hardened & high alloy steels, steel casting, chill casting, malleable cast iron, CrNi-steels, brass, copper, aluminum with a high percentage of silicon and abrasive plastics.

Uncoated



Part No. Uncoated	Mill Diameter	Shank Diameter	Length of Cut	Overall Length	Price
BRT-E0101554	1/16	1/8	3/16	1-1/2	\$9.24
BRT-E0101558	1/8	1/8	1/2	1-1/2	9.24
BRT-E0101565	3/16	3/16	5/8	2	12.99
BRT-E0101573	1/4	1/4	3/4	2-1/2	14.48
BRT-E0101579	5/16	5/16	13/16	2-1/2	22.19
BRT-E0101584	3/8	3/8	7/8	2-1/2	25.67
BRT-E0101588	7/16	7/16	1	2-3/4	34.71
BRT-E0101593	1/2	1/2	1	3	39.48
BRT-E0101595	5/8	5/8	1-1/4	3-1/2	81.15
BRT-E0101598	3/4	3/4	1-1/2	4	101.76
BRT-E0101600	1	1	1-1/2	4	204.44

Square

Part No. Uncoated	Mill Diameter	Shank Diameter	Length of Cut	Overall Length	Price
BRT-E0828558	1/8	1/8	3/8	1-1/2	\$12.06
BRT-E0828565	3/16	3/16	9/16	2	19.25
BRT-E0828573	1/4	1/4	5/8	2-1/2	25.54
BRT-E0828579	5/16	5/16	5/8	2-1/2	39.61
BRT-E0828584	3/8	3/8	1	2-1/2	43.75
BRT-E0828588	7/16	7/16	1-1/4	2-3/4	58.71
BRT-E0828593	1/2	1/2	1-1/4	3	70.57
BRT-E0828595	5/8	5/8	1-5/8	3-1/2	134.72
BRT-E0828598	3/4	3/4	1-5/8	4	168.53
BRT-E0828600	1	1	2	5	359.24

TiAIN Coated



Part No. Coated	Mill Diameter	Shank Diameter	Length of Cut	Overall Length	Price
BRT-E0201554	1/16	1/8	3/16	1-1/2	10.78
BRT-E0201558	1/8	1/8	1/2	1-1/2	10.78
BRT-E0201565	3/16	3/16	5/8	2	14.19
BRT-E0201573	1/4	1/4	3/4	2-1/2	15.38
BRT-E0201579	5/16	5/16	13/16	2-1/2	23.62
BRT-E0201584	3/8	3/8	7/8	2-1/2	29.96
BRT-E0201588	7/16	7/16	1	2-3/4	28.21
BRT-E0201593	1/2	1/2	1	3	42.65
BRT-E0201595	5/8	5/8	1 1/4	3-1/2	88.60
BRT-E0201598	3/4	3/4	1 1/2	4	110.78
BRT-E0201600	1	1	1 1/2	4	220.30

4 Flute Regular Length

Possible for high-speed cutting, suitable for high efficiency machining for hardened & high alloy steels, steel casting, chill casting, malleable cast iron, CrNi-steels, brass, copper, aluminum with a high percentage of silicon and abrasive plastics.

Uncoated



Part No. Uncoated	Mill Diameter	Shank Diameter	Length of Cut	Overall Length	Price
BRT-E0307554	1/16	1/8	3/16	1-1/2	\$9.24
BRT-E0307558	1/8	1/8	1/2	1-1/2	9.24
BRT-E0307565	3/16	3/16	5/8	2	12.99
BRT-E0307573	1/4	1/4	3/4	2-1/2	13.77
BRT-E0307579	5/16	5/16	13/16	2-1/2	14.48
BRT-E0307584	3/8	3/8	7/8	2-1/2	25.67
BRT-E0307588	7/16	7/16	1	2-3/4	34.71
BRT-E0307593	1/2	1/2	1	3	39.48
BRT-E0307595	5/8	5/8	1-1/4	3-1/2	81.15
BRT-E0307598	3/4	3/4	1-1/2	4	101.76
BRT-E0307600	1	1	1-1/2	4	204.44

TiAIN Coated



Part No. Coated	Mill Diameter	Shank Diameter	Length of Cut	Overall Length	Price
BRT-E0407554	1/16	1/8	3/16	1-1/2	\$10.78
BRT-E0407558	1/8	1/8	1/2	1-1/2	10.78
BRT-E0407565	3/16	3/16	5/8	2	14.19
BRT-E0407573	1/4	1/4	3/4	2-1/2	15.38
BRT-E0407579	5/16	5/16	13/16	2-1/2	23.62
BRT-E0407584	3/8	3/8	7/8	2-1/2	29.96
BRT-E0407588	7/16	7/16	1	2-3/4	37.89
BRT-E0407593	1/2	1/2	1	3	42.65
BRT-E0407595	5/8	5/8	1 1/4	3-1/2	88.60
BRT-E0407598	3/4	3/4	1 1/2	4	110.78
BRT-E0407600	1	1	1 1/2	4	220.30

Carbide 4 Flute Regular Length, Ball Nose

TiAIN Coated

- Suitable for cutting hardened & high alloy steels, steel castings, chill casting, malleable cast iron, CrNi-steels, brass, copper, aluminum with a percentage of silicon and abrasive plastics



Part Number	Diameter	Shank Diameter	L.O.C.	O.A.L.	Price
BRT-E0643558	1/8	1/8	1/2	1-1/2	\$12.37
BRT-E0643565	3/16	3/16	5/8	2	15.79
BRT-E0643573	1/4	1/4	3/4	2-1/2	25.53
BRT-E0643579	5/16	5/16	7/8	2-1/2	29.72
BRT-E0643584	3/8	3/8	1	2-1/2	45.30
BRT-E0643593	1/2	1/2	1	3	60.86
BRT-E0643595	5/8	5/8	1-1/4	3-1/2	79.09
BRT-E0643598	3/4	3/4	1-1/2	4	152.15
BRT-E0643600	1	1	1-1/2	4	285.27

Variable Helix Carbide End Mills

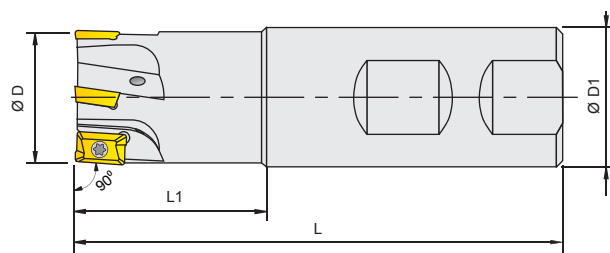
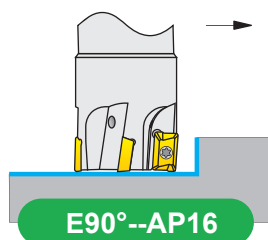


- A Variable Helix that reduces vibration and allows for smoother cutting performance
- Designed for: Mild Steels, Stainless Steel, Cast Irons, Tool Steels, Titanium Alloys, Pre-hardened Steels and Low Hardness materials under HRC 40.
- Excellent work piece finishes. • Higher speeds, deeper cuts and higher feed rates.
- TiAIN coated

Part Number	Diameter	L.O.C.	O.A.L.	Price
BRT-E0712008	1/8	1/2	1-1/2	\$19.43
BRT-E0712016	1/4	3/4	2-1/2	32.41
BRT-E0737024	3/8	7/8	2-1/2	42.68
BRT-E0737028	7/16	1	2-3/4	74.35
BRT-E0737032	1/2	1	3	80.44
BRT-E0737036	9/16	1 1/8	3-1/2	141.70
BRT-E0737040	5/8	1-1/4	3-1/2	157.29
BRT-E0737048	3/4	1-1/2	4	246.83
BRT-E0737064	1	1-1/2	4	387.41



Parallel Shank coolant thru End Mill (APKT 1604)



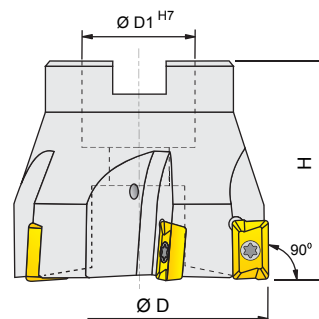
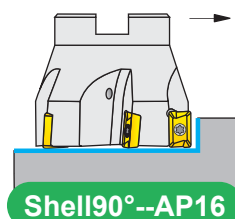
Part No.	ISO Designation	ØD	Ø D1 g7	L1	L	Z	Spare Screw	Insert	Price
BRT-APE95120	E90-0.75"AP16-01FL	0.75	0.75	1.25	4.00	01	K158	APKT 1604	\$92.40
BRT-APE95126	E90-1.00"AP16-02FL	1.00	1.00	1.30	4.50	02	K158	APKT 1604	96.37
BRT-APE95133	E90-1.25"AP16-03FL	1.25	1.00	1.51	5.00	03	K158	APKT 1604	133.10
BRT-APE95140	E90-1.50"AP16-04FL	1.50	1.50	1.57	5.00	04	K158	APKT 1604	163.90



Buy any **TWO** of the ABOVE and Receive 10 **FREE!!** Inserts



90° Facing Square Shoulder Cutter coolant thru (APKT 1604)



Part No.	ISO Designation	ØD	Ø D1 H7	H	Z	Spare Screw	Insert	Price
BRT-APS95855	2.00"SHELL AP16-5FL-0.750"AH	2.00	0.750	1.75	05	K158	APKT 1604	\$170.50
BRT-APS95857	2.50"SHELL AP16-6FL-0.750"AH	2.50	0.750	2.00	06	K158	APKT 1604	204.60
BRT-APS95859	3.00"SHELL AP16-7FL-1.000"AH	3.00	1.000	2.00	07	K158	APKT 1604	246.40
BRT-APS95861	4.00"SHELL AP16-8FL-1.500"AH	4.00	1.500	2.00	08	K158	APKT 1604	328.90

Spare Parts

Part No.	Torx Screw	Description	Price
BRT-APK158	7006*Z	K158 Screw for BRT-APKT16 Cutters	\$5.60 ea.



Buy any Above Cutter and Receive 10 **FREE!!** Inserts



APKT 160408 GM BRT2410 Insert

Excellent PVD Coated Grade for All Steels and SS

Part No. BRT-AP162825 **\$7.25 each**





PARTING TOOLS & INSERTS

NEW!

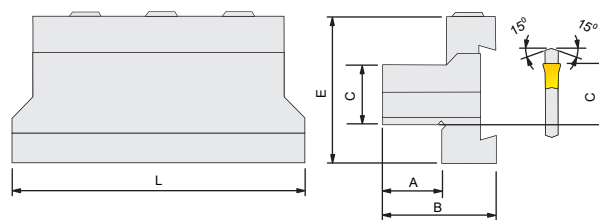


ALL OUR BLADES COME WITH BRT MAX-GRIP



Dimensions (Inches)

Part No.	ANSI Description	H	W	T	L	Insert	Price
BRT-PT775035	GIH 19-2	0.750"	0.087	0.063	3.385	SGTN-2	\$68.15
BRT-PT775042	GIH 26-2	1.020"	0.087	0.063	4.330	SGTN-2	68.15
BRT-PT775045	GIH 26-3	1.020"	0.122	0.094	4.330	SGTN-3	68.15
BRT-PT775050	GIH 26-4	1.020"	0.161	0.125	4.330	SGTN-4	68.15
BRT-PT775060	GIH 32-3	1.250"	0.122	0.094	5.905	SGTN-3	75.08
BRT-PT775065	GIH 32-4	1.250"	0.161	0.125	5.905	SGTN-4	75.08



Dimensions (Inches)

Part No.	ANSI Description	A	B	C	E	L	Suitable Blade	Price
BRT-PT976035	NGTBN 0500-19	0.500	1.000	0.500	1.375	3.000	GIH 19-2	\$68.15
BRT-PT976045	NGTBN 0625-19	0.625	1.000	0.625	1.375	3.000	GIH 19-2	86.52
BRT-PT976046	NGTBN 0625-26	0.625	1.250	0.625	1.750	3.500	GIH 26-2, GIH 26-3, GIH 26-4	86.52
BRT-PT976050	NGTBN 0750-26	0.750	1.375	0.750	2.000	3.500	GIH 26-2, GIH 26-3, GIH 26-4	86.52
BRT-PT976055	NGTBN 0750-32	0.750	1.375	0.750	2.000	4.500	GIH 32-3, GIH 32-4	86.52
BRT-PT976060	NGTBN 1000-32	0.875	1.500	1.000	2.125	4.500	GIH 32-3, GIH 32-4	91.25



INSERTS

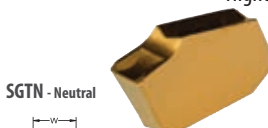
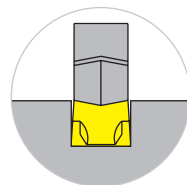
Cut-Off & Grooving Inserts are designed for use with standard cut-off inserts and standard cut-off blade holders. The insert's cutting edge location repeats accurately and as a result, prevents insert splitting under heavy feed and shock loads. The blade and insert geometry permits free chip flow, minimizing insert breakage due to chip build-up.

Chip breaker Geometry

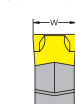
- Reduced Machining force
- Controlled, coiled chip flow
- Higher material removal rate

Application

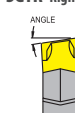
- Quickly insert into adjustable blades
- For cut-off and grooving
- Fair for interrupted cuts



SGTN - Neutral



SGTR - Right Hand



ANSI	Insert Size (mm)	Dimensions		inch	mm	UPC #	Price	UPC #	Price	UPC #	Price
		Lead Angle									
SGTN-2	2	0°		.087	2	82222	\$24.86	82220	\$19.00	82223	\$29.41
SGTN-3	3	0°		.122	3	82226	\$24.86	82224	19.00	82227	29.41
SGTN-4	4	0°		.161	4	82230	26.48	82228	21.54	82231	34.09
SGTN-5	5	0°		.201	5	82234	25.85	82232	22.53	82235	34.51
SGTN-6	6	0°		.252	6	82238	30.76	82236	25.98	82239	38.41
SGTN-8	8	0°		.315	8	82242	53.93	-	-	-	-
SGTN-9	9	0°		.378	9	82246	55.43	82244	47.14	-	-
SGTR-2-8	2	8°		.087	2	82250	25.15	82248	20.70	82251	31.40
SGTR-3-8	3	8°		.122	3	82254	25.15	82252	20.70	82255	33.74
SGTR-4-8	4	8°		.161	4	82258	27.76	82256	23.54	82259	36.80
SGTR-5-8	5	8°		.201	5	82262	28.15	-	-	-	-
SGTR-6-8	6	8°		.252	6	82266	28.15	-	-	-	-

Carbon & Alloy Steel

Aluminum & Non-Ferrous Metals & Materials

Carbon & Alloy Steel
300 & 400 Series Stainless Steel
Cast Iron, Copper/Brass
Aluminum & Non-Ferrous Materials
High Temp Alloys
Hard Steel to 58 HRC

P35
CVD TiN Coated
DC656

K25 N25
Uncoated
DK25

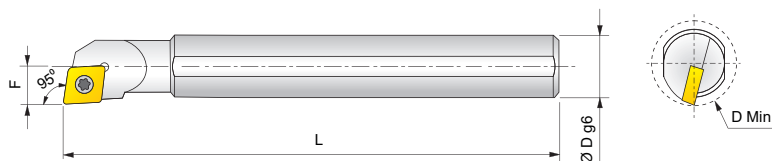
K25 P25 M25
PVD TiAlN Coated
DASK25B



BORING BARS

BRT-TOOLS

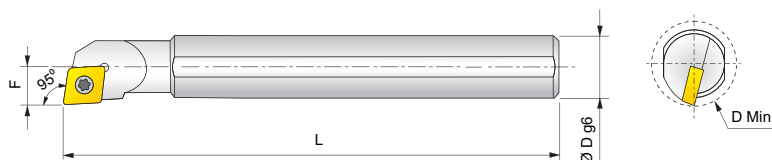
BORING BAR SCLCR-02



Part No.	Description	D	D Min.	F	L	Insert	Price
BRT-BB920925	S06K SCLCR 2	0.375	0.433	0.217	4.92	CCMT 21.51	\$59.95
BRT-BB920927	S08M SCLCR 2	0.500	0.590	0.295	5.90	CCMT 21.51	59.95
BRT-BB920929	S10R SCLCR 2	0.625	0.708	0.354	7.87	CCMT 21.51	67.11
BRT-BBP7003	Insert Screw for CCMT 21.51						4.51

BRT-TOOLS

BORING BAR SCLCR-03



Part No.	Description	D	D Min.	F	L	Insert	Price
BRT-BB920941	S08M SCLCR 3	0.500	0.630	0.354	5.90	CCMT 32.52	\$59.95
BRT-BB920943	S10R SCLCR 3	0.625	0.787	0.433	7.87	CCMT 32.52	67.11
BRT-BB920945	S12S SCLCR 3	0.750	0.925	0.511	9.84	CCMT 32.52	86.28
BRT-BB920947	S16T SCLCR 3	1.000	1.250	0.670	11.81	CCMT 32.52	105.46
BRT-BBP7006	Insert Screw for CCMT 32.52						6.00



BORING BAR KITS - COOLANT THRU



3 PC Coolant Thru Boring Bar Kit

Bar Diameters - 1/2", 5/8", 3/4"
(Uses CCMT 32.5_ Inserts)
Case included

BRT-BBK3PCW1 - \$265.50 (10 Inserts included)
BRT-BBP7006 Insert Screws **\$6.00**



4 PC Coolant Thru Boring Bar Kit

Bar Diameters - 5/16", 3/8", 1/2", 5/8"
(Uses CCMT 21.5_ Inserts)
Case included

BRT-BBK4PCW1 - \$297.00 (10 Inserts included)
BRT-BBP7003 Insert Screws **\$4.51**



CCMT Inserts - Grade BRT5225

Part No.	Description	Grade	Price
BRT-CC060425	CCMT 21.51 (060204)	BRT5225	\$6.39
BRT-CC060825	CCMT 21.52 (060208)	BRT5225	6.39
BRT-CC090425	CCMT 32.51 (09T304)	BRT5225	6.99
BRT-CC090825	CCMT 32.52 (09T308)	BRT5225	6.99

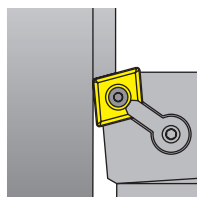
*(sold in packages of 10)



EXTERNAL BRT TOOLHOLDERS (All Toolholders use standard ISO parts)

NEW!

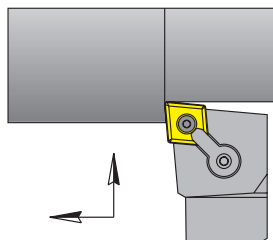
Turning Tool - MCKNR/L



Description	Dimension (inches)		Insert	Ordering No.		Price
	Height	Length		Right	Left	
MCKNR 16-4D	1.00	6.00	CNMG 432	BRT-ET971716	BRT-ET971717	\$77.22

PARTS	Part No.	Description	Price
	90008	ICSN-433 Seat	\$13.13
	90479	NL-46 Lock Pin	12.28
	90686	CL-20 Clamp	15.59
	90907	XNS-48 Clamp Screw	4.86

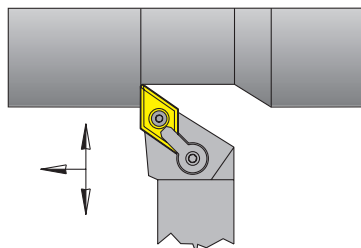
Turning Tool - MCLNR/L



Description	Dimension (inches)		Insert	Ordering No.		Price
	Height	Length		Right	Left	
MCLNR 12-4B	0.750	4.50	CNMG 432	BRT-ET975313	BRT-ET975314	\$73.04
MCLNR 16-4D	1.000	6.00	CNMG 432	BRT-ET975317	BRT-ET975318	75.90
MCLNR 20-4D	1.250	6.00	CNMG 432	BRT-ET975319	BRT-ET975320	85.36

PARTS	Part No.	Description	Price
	90008	ICSN-433 Seat	\$13.13
	90479	NL-46 Lock Pin	12.28
	90686	CL-20 Clamp	15.59
	90907	XNS-48 Clamp Screw	4.86

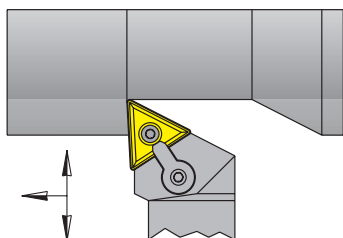
Turning Tool - MDJNR/L



Description	Dimension (inches)		Insert	Ordering No.		Price
	Height	Length		Right	Left	
MDJNR 12-4B	0.750	4.50	DNMG 432	BRT-ET975421	BRT-ET975422	\$103.40
MDJNR 16-4D	1.000	6.00	DNMG 432	BRT-ET975425	BRT-ET975426	108.90

PARTS	Part No.	Description	Price
	90021	IDSN-433 Seat	\$12.62
	90479	NL-46 Lock Pin	12.28
	90686	CL-20 Clamp	15.59
	90907	XNS-48 Clamp Screw	4.86

Turning Tool - MTJNR/L



Description	Dimension (inches)		Insert	Ordering No.		Price
	Height	Length		Right	Left	
MTJNR 12-3B	0.750	4.50	TNMG 322	BRT-ET975627	BRT-ET975628	\$73.04
MTJNR 16-4D	1.000	6.00	TNMG 432	BRT-ET975631	BRT-ET975632	77.72
MTJNR 20-4D	1.250	6.00	TNMG 432	BRT-ET975633	BRT-ET975634	85.36

(3B) PARTS	Part No.	Description	Price	(4D) PARTS	Part No.	Description	Price
	90088	ITSN-333 Seat	\$10.19		90093	ITSN-433 Seat	\$13.13
	90476	NL-34L Lock Pin	10.73		90479	NL-46 Lock Pin	12.28
	90681	CL-6 Clamp	14.40		90683	CL-9 Clamp	15.59
	90902	XNS-36 Clamp Screw	4.59		90908	XNS-510 Clamp Screw	5.14



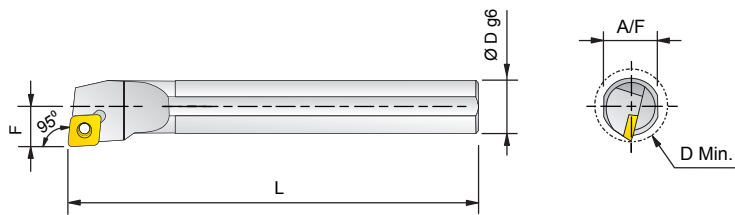
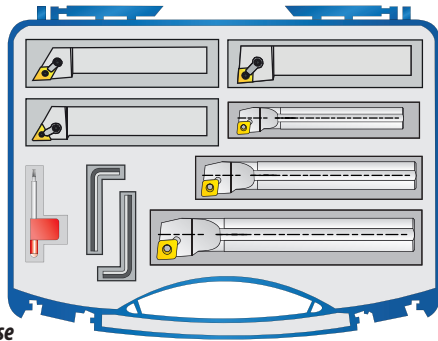
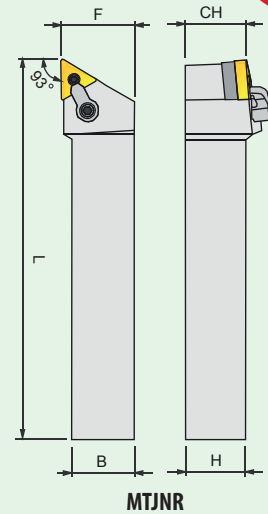
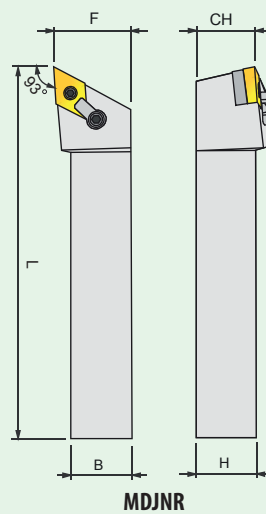
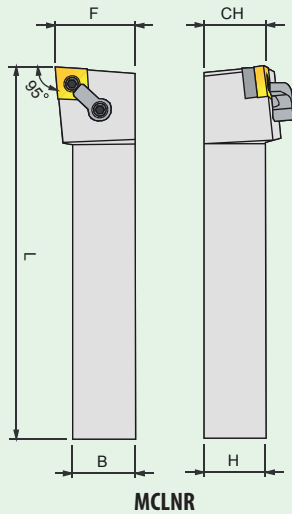
SPINDLE CLEANERS



Part No.	Description	Price
BRT-SC0140	CAT 40 / BT 40 Spindle Cleaner	\$23.72 ea.
BRT-SC0250	CAT 50 / BT 50 Spindle Cleaner	29.65 ea.
BRT-SC8863	HSK63 Spindle Cleaner	38.45 ea.

Set of 6 Tools

-includes Case!



Dimension (inches)

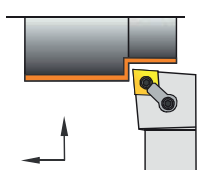
Description	H=CH=B Ø D g6	F	D. Min	A/F	L	Insert	Ordering No.
MCLNR 16-4D	1.0	1.25	-	-	6.0	CNMG 43-	BRT-ET975317
MDJNR 16-4D	1.0	1.25	-	-	6.0	DNMG 43-	BRT-ET975425
MTJNR 16-4D	1.0	1.25	-	-	6.0	TNMG 43-	BRT-ET975631
S08M SCLCR 3	0.500	0.354	0.630	0.460	5.90	CCMT 32.5-	BRT-BB920941
S12S SCLCR 3	0.750	0.511	0.925	0.671	9.84	CCMT 32.5-	BRT-BB920945
S16T SCLCR 3	1.00	0.670	1.250	0.921	11.81	CCMT 32.5-	BRT-BB920947

Kit includes:

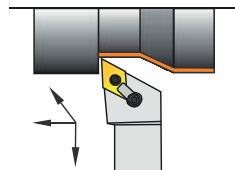
- Turning Tool MCLNR - 1pc.
- Turning Tool MDJNR - 1pc.
- Turning Tool MTJNR - 1pc.
- Boring Bar S08M SCLCR - 1pc.
- Boring Bar S12S SCLCR - 1pc.
- Boring Bar S16T SCLCR - 1pc.
- Torx Key - 1pc.
- Allan Key - 2pc.

Application

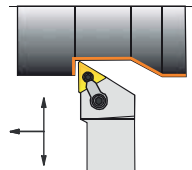
- Turning Tool MCLNR 16-4D** This is a M Type clamping Turning Tool equipped with a diamond negative double side insert (angle 80 Deg.). Turning Tool is for general applications, roughing, semi-finishing and finishing. Approach angle is 95 deg.
- Turning Tool MDJNR 16-4D** This is a M Type clamping Turning Tool equipped with a diamond negative double side insert (angle 80 Deg.). Turning Tool is for general applications, roughing, semi-finishing and finishing. Approach angle is 95 deg.
- Turning Tool MTJNR 16-4D** This is a M Type clamping Turning Tool equipped with a diamond negative double side insert (angle 60 Deg.). Turning Tool is for general applications, roughing, semi-finishing and finishing. Approach angle is 93 deg.
- Boring Bar SCLCR 3** The Boring Bar SCLCR uses Insert CCMT, two 80° corners & mounted at 95° approach angle. It allows straight boring as well as internal facing cuts.



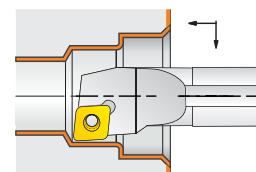
MCLNR



MDJNR



MTJNR



SCLNR

Features are subject to change due to continuous modifications

Zebra®

Extending the life of metalworking and industrial fluids



Smart Disk Skimmer with Patented Diverter™

- Saves \$300 a year over normal disk skimmers in lost coolant costs
- Patented gravity separator separates tramp oils from coolant and returns coolant to sump
- Continuous-duty, fan cooled motor with one year warranty
- Rugged steel construction
- Unbreakable disk and wipers with lifetime warranty
- Weighs 10 lbs.
- Lifetime Warranty • Made in USA



Type	Size (in.)	Removal Rate	Reach	Order No.	Price
Skimmers	12	7 RPM	4.5	GS4H300	\$590.07
Skimmers	18	7 RPM	7	GS4H460	814.75
Skimmers	24	2 RPM	9.5	GS4H610	779.27

Basic Refractometer for Everyday Use

- Prism aperture lets in lots of light
- Diamond-knurled sleeve for good grip
- Carrying case with sampler included
- Comfortable eyepiece with adjustable focus for easy reading
- Auto temperature compensation for shop with varying temperature



Brix Scale		Order No.	Price
0 - 18%	BRT-TOOLS	BRT-RF161418	\$86.90
0 - 32%	BRT-TOOLS	BRT-RF161432	86.90
0 - 10%	Zebra	ZEBOPT10	248.33
0 - 32%	Zebra	ZEBOPT32	248.33
0 - 50%	BRT-TOOLS	BRT-RFD101	479.00

Belt Skimmer

- Improves coolant performance and life
- Heavy-duty steel, powder coated construction
- Durable elastomer belt resists oil and chemical attack - warranted for one year
- Removable, easy-to-clean collection tray
- Self-tensioning belt on fixed lower pulley
- Dual wiper set with lifetime warranty
- Continuous-duty, 28 rpm fan-cooled motor
- 2" Diameter minimum access required
- Recommended accessory: Zebra Diverter™
- One year warranty on all parts (except steel belts)
- Made in USA



Size (in.)	Material	Max. Temp.	Order No.	Price
8	Poly	80°F	BPF108	\$684.67
8	Steel	212°F	BSF108	810.02
12	Poly	80°F	BPF112	705.96
12	Steel	212°F	BSF112	791.10
18	Poly	80°F	BPF118	721.33
18	Steel	212°F	BSF118	810.02
24	Poly	80°F	BPF124	742.61
24	Steel	212°F	BSF124	826.57

Economy Mixer

- 14 metering tips included for concentrations of 1% to 20% (ratios 4:1 to 99:1)
- Maximum viscosity of 500 SUS
- 30 day warranty
- 48" discharge tube included
- Check valve for precise mixing
- Works on barrels or totes
- Weight 5 pounds
- Capacity: 4.8 gallons per minute
- Made in USA



Order No.

MIX05120

Price

\$382.80

Original Disk Skimmer

- Removes tramp oils from coolant sump
- Lifetime warranty on disk and wipers
- Intermediate duty surge protected motor with one year warranty
- Weighs under 9 pounds
- Easy to mount
- 5 Gallon per hour capacity
- Made in USA



Type	Size (in.)	Removal Rate	Reach	Order No.	Price
Skimmers	12	7 RPM	4.5	LH300	\$400.87
Skimmers	18	7 RPM	7	LH460	460.00
Skimmers	24	2 RPM	9.5	LH610	613.72

Sidewinder Tube Skimmer™ - Skims Anywhere

- Install while machine is running
- Skims underneath conveyors, enclosed sumps, and hard-to-access areas
- Only requires 1/2" by 3" opening
- Industrial-grade skim tube uses ceramic scraper
- Large oil discharge port
- Fan-cooled continuous-duty motor
- Rated at 1 quart per hour
- One year warranty



Type	Size (in.)	Max. Temp	Reach	Order No.	Price
Sidewinder Oil Skimmer	11	90°F	8-95	ZVA811	\$658.90
Sidewinder Oil Skimmer	14	90°F	8-95	ZVA814	658.90
Sidewinder Oil Skimmer	17	90°F	8-95	ZVA817	658.90
Sidewinder Oil Skimmer	8	90°F	8-95	ZVA808	658.90

Odor Control Tablets

- Safe and easy-to-use
- Eliminates sump odors caused by hydrogen sulfide bacterial emissions
- Most effective way to control sump odor and correct for low pH
- Contains no formaldehyde or harmful chemicals
- Safer and more economical than biocides
- Works best when used with Zebra Oxygenator

1 Tube of XOCT 25	\$58.52 each
2-5 Tubes of XOCT 25	52.91 each
6-9 Tubes of XOCT 25	49.91 each
10+ Tubes of XOCT 25	43.89 each

each tube contains 15 tablets

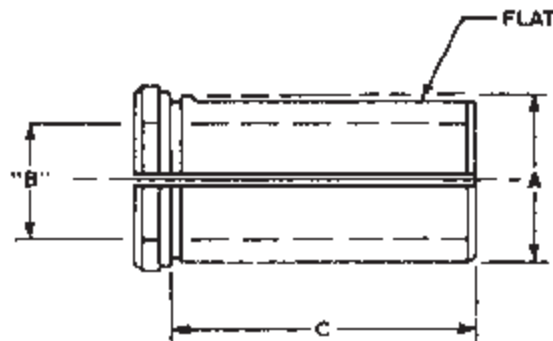




TOOLHOLDER BUSHING TYPE B

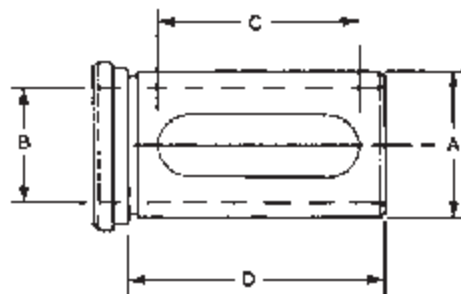
PRECISION TOOLS

These split Type B Bushings are manufactured for all Types and sizes of CNC Lathes and Chucks; are Heat Treated and precision ground concentric. They are used to adapt Drills, Boring Bars, and other Shank Tools.



Part No.	Description	O.D. - "A"	I.D. - "B"	Length - "C"	Price	Part No.	Description	O.D. - "A"	I.D. - "B"	Length - "C"	Price
BRT-20010708	Type B	3/4"	8 MM	1-1/2"	\$47.38	BRT-20011562	Type B	1-1/2"	5/8"	2-1/2"	\$50.92
BRT-20010710	Type B	3/4"	10 MM	1-1/2"	47.38	BRT-20011575	Type B	1-1/2"	3/4"	2-1/2"	50.92
BRT-20010712	Type B	3/4"	12 MM	1-1/2"	47.38	BRT-20011587	Type B	1-1/2"	7/8"	2-1/2"	50.92
BRT-20010725	Type B	3/4"	1/4"	1-1/2"	47.38	BRT-20011591	Type B	1-1/2"	1"	2-1/2"	50.92
BRT-20010731	Type B	3/4"	5/16"	1-1/2"	47.38	BRT-20011592	Type B	1-1/2"	1-1/4"	2-1/2"	50.92
BRT-20010737	Type B	3/4"	3/8"	1-1/2"	47.38	BRT-20011712	Type B	1-3/4"	12 MM	2-1/2"	58.24
BRT-20010750	Type B	3/4"	1/2"	1-1/2"	47.38	BRT-20011716	Type B	1-3/4"	16 MM	2-1/2"	58.24
BRT-20011008	Type B	1"	8 MM	1-1/2"	47.38	BRT-20011720	Type B	1-3/4"	20 MM	2-1/2"	58.24
BRT-20011010	Type B	1"	10 MM	1-1/2"	47.38	BRT-20011725	Type B	1-3/4"	25 MM	2-1/2"	58.24
BRT-20011012	Type B	1"	12 MM	1-1/2"	47.38	BRT-20011732	Type B	1-3/4"	32 MM	2-1/2"	58.24
BRT-20011016	Type B	1"	16 MM	1-1/2"	47.38	BRT-20011750	Type B	1-3/4"	1/2"	3"	58.24
BRT-20011020	Type B	1"	20 MM	1-1/2"	47.38	BRT-20011762	Type B	1-3/4"	5/8"	3"	58.24
BRT-20011031	Type B	1"	5/16"	1-3/4"	47.38	BRT-20011775	Type B	1-3/4"	3/4"	3"	58.24
BRT-20011037	Type B	1"	3/8"	1-3/4"	47.38	BRT-20011787	Type B	1-3/4"	7/8"	3"	58.24
BRT-20011050	Type B	1"	1/2"	1-3/4"	47.38	BRT-20011791	Type B	1-3/4"	1"	3"	58.24
BRT-20011062	Type B	1"	5/8"	1-3/4"	47.38	BRT-20011792	Type B	1-3/4"	1-1/4"	3"	58.24
BRT-20011075	Type B	1"	3/4"	1-3/4"	47.38	BRT-20011793	Type B	1-3/4"	1-1/2"	3"	58.24
BRT-20011237	Type B	1-1/4"	3/8"	2-1/8"	48.88	BRT-20012012	Type B	2"	12 MM	3-1/2"	66.52
BRT-20011250	Type B	1-1/4"	1/2"	2-1/8"	48.88	BRT-20012016	Type B	2"	16 MM	3-1/2"	66.52
BRT-20011262	Type B	1-1/4"	5/8"	2-1/8"	48.88	BRT-20012020	Type B	2"	20 MM	3-1/2"	66.52
BRT-20011275	Type B	1-1/4"	3/4"	2-1/8"	48.88	BRT-20012025	Type B	2"	25 MM	3-1/2"	66.52
BRT-20011287	Type B	1-1/4"	7/8"	2-1/8"	48.88	BRT-20012032	Type B	2"	32 MM	3-1/2"	66.52
BRT-20011291	Type B	1-1/4"	1"	2-1/8"	48.88	BRT-20012040	Type B	2"	40 MM	3-1/2"	66.52
BRT-20011510	Type B	1-1/2"	10 MM	2-1/2"	50.92	BRT-20012050	Type B	2"	1/2"	3-1/2"	66.52
BRT-20011512	Type B	1-1/2"	12 MM	2-1/2"	50.92	BRT-20012062	Type B	2"	5/8"	3-1/2"	66.52
BRT-20011516	Type B	1-1/2"	16 MM	2-1/2"	50.92	BRT-20012075	Type B	2"	3/4"	3-1/2"	66.52
BRT-20011520	Type B	1-1/2"	20 MM	2-1/2"	50.92	BRT-20012091	Type B	2"	1"	3-1/2"	66.52
BRT-20011525	Type B	1-1/2"	25 MM	2-1/2"	50.92	BRT-20012092	Type B	2"	1-1/4"	3-1/2"	66.52
BRT-20011532	Type B	1-1/2"	32 MM	2-1/2"	50.92	BRT-20012094	Type B	2"	1-1/2"	3-1/2"	66.52
BRT-20011537	Type B	1-1/2"	3/8"	2-1/2"	50.92	BRT-20012095	Type B	2"	1-3/4"	3-1/2"	66.52
BRT-20011550	Type B	1-1/2"	1/2"	2-1/2"	50.92						

This CNC Type C Bushing is designed for use on all CNC turning machines. To adapt a wide variety of Boring Bars, Drills, Reamers and Shank Tool tools. Precision machine hardened and ground.



Part No.	Description	O.D. - "A"	I.D. - "B"	Length - "D"	Slot - "C"	Price	Part No.	Description	O.D. - "A"	I.D. - "B"	Length - "D"	Slot - "C"	Price
BRT-20020708	Type C	3/4"	8 MM	2"	1-1/2"	\$47.38	BRT-20021562	Type C	1-1/2"	5/8"	3-3/8"	3"	\$50.92
BRT-20020710	Type C	3/4"	10 MM	2"	1-1/2"	47.38	BRT-20021575	Type C	1-1/2"	3/4"	3-3/8"	3"	50.92
BRT-20020712	Type C	3/4"	12 MM	2"	1-1/2"	47.38	BRT-20021587	Type C	1-1/2"	7/8"	3-3/8"	3"	50.92
BRT-20020725	Type C	3/4"	1/4"	2"	1-1/2"	47.38	BRT-20021591	Type C	1-1/2"	1"	3-3/8"	3"	50.92
BRT-20020731	Type C	3/4"	5/16"	2"	1-1/2"	47.38	BRT-20021592	Type C	1-1/2"	1-1/4"	3-3/8"	3"	50.92
BRT-20020737	Type C	3/4"	3/8"	2"	1-1/2"	47.38	BRT-20021712	Type C	1-3/4"	12 MM	3-1/2"	3-1/8"	58.24
BRT-20020750	Type C	3/4"	1/2"	2"	1-1/2"	47.38	BRT-20021716	Type C	1-3/4"	16 MM	3-1/2"	3-1/8"	58.24
BRT-20021008	Type C	1"	8 MM	2-3/4"	2-3/8"	47.38	BRT-20021720	Type C	1-3/4"	20 MM	3-1/2"	3-1/8"	58.24
BRT-20021010	Type C	1"	10 MM	2-3/4"	2-3/8"	47.38	BRT-20021725	Type C	1-3/4"	25 MM	3-1/2"	3-1/8"	58.24
BRT-20021012	Type C	1"	12 MM	2-3/4"	2-3/8"	47.38	BRT-20021732	Type C	1-3/4"	32 MM	3-1/2"	3-1/8"	58.24
BRT-20021016	Type C	1"	16 MM	2-3/4"	2-3/8"	47.38	BRT-20021750	Type C	1-3/4"	1/2"	3-1/2"	3-1/8"	58.24
BRT-20021020	Type C	1"	20 MM	2-3/4"	2-3/8"	47.38	BRT-20021762	Type C	1-3/4"	5/8"	3-1/2"	3-1/8"	58.24
BRT-20021031	Type C	1"	5/16"	2-3/4"	2-3/8"	47.38	BRT-20021775	Type C	1-3/4"	3/4"	3-1/2"	3-1/8"	58.24
BRT-20021037	Type C	1"	3/8"	2-3/4"	2-3/8"	47.38	BRT-20021787	Type C	1-3/4"	7/8"	3-1/2"	3-1/8"	58.24
BRT-20021050	Type C	1"	1/2"	2-3/4"	2-3/8"	47.38	BRT-20021791	Type C	1-3/4"	1"	3-1/2"	3-1/8"	58.24
BRT-20021062	Type C	1"	5/8"	2-3/4"	2-3/8"	47.38	BRT-20021792	Type C	1-3/4"	1-1/4"	3-1/2"	3-1/8"	58.24
BRT-20021075	Type C	1"	3/4"	2-3/4"	2-3/8"	47.38	BRT-20021793	Type C	1-3/4"	1-1/2"	3-1/2"	3-1/8"	66.52
BRT-20021237	Type C	1-1/4"	3/8"	3-1/4"	2-3/4"	48.88	BRT-20022012	Type C	2"	12 MM	4"	3-5/8"	66.52
BRT-20021250	Type C	1-1/4"	1/2"	3-1/4"	2-3/4"	48.88	BRT-20022016	Type C	2"	16 MM	4"	3-5/8"	66.52
BRT-20021262	Type C	1-1/4"	5/8"	3-1/4"	2-3/4"	48.88	BRT-20022020	Type C	2"	20 MM	4"	3-5/8"	66.52
BRT-20021275	Type C	1-1/4"	3/4"	3-1/4"	2-3/4"	48.88	BRT-20022025	Type C	2"	25 MM	4"	3-5/8"	66.52
BRT-20021287	Type C	1-1/4"	7/8"	3-1/4"	2-3/4"	48.88	BRT-20022032	Type C	2"	32 MM	4"	3-5/8"	66.52
BRT-20021291	Type C	1-1/4"	1"	3-1/4"	2-3/4"	47.92	BRT-20022040	Type C	2"	40 MM	4"	3-5/8"	66.52
BRT-20021510	Type C	1-1/2"	10 MM	3-3/8"	3"	50.92	BRT-20022050	Type C	2"	1/2"	4"	3-5/8"	66.52
BRT-20021512	Type C	1-1/2"	12 MM	3-3/8"	3"	50.92	BRT-20022062	Type C	2"	5/8"	4"	3-5/8"	66.52
BRT-20021516	Type C	1-1/2"	16 MM	3-3/8"	3"	50.92	BRT-20022075	Type C	2"	3/4"	4"	3-5/8"	66.52
BRT-20021520	Type C	1-1/2"	20 MM	3-3/8"	3"	50.92	BRT-20022091	Type C	2"	1"	4"	3-5/8"	66.52
BRT-20021525	Type C	1-1/2"	25 MM	3-3/8"	3"	50.92	BRT-20022092	Type C	2"	1-1/4"	4"	3-5/8"	66.52
BRT-20021532	Type C	1-1/2"	32 MM	3-3/8"	3"	50.92	BRT-20022094	Type C	2"	1-1/2"	4"	3-5/8"	66.52
BRT-20021537	Type C	1-1/2"	3/8"	3-3/8"	3"	50.92	BRT-20022095	Type C	2"	1-3/4"	4"	3-5/8"	66.52
BRT-20021550	Type C	1-1/2"	1/2"	3-3/8"	3"	50.92							



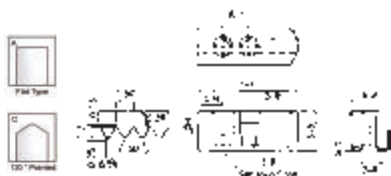
BRT-Tools Soft Jaws - 1.5mmX60° Semi Point

For Kitagawa, Matsumoto, Howa & Seiki, Samchully, Strong, SMW

Part No.	Chuck Size	Length	Width	Groove Width	Height	Sale Price (set of 3)
BRT-SJ0636SP	6"	73	31	12	36	\$45.86
BRT-SJ0837SP	8"	95	35	14	37	51.58
BRT-SJ1042SP	10"	110	40	16	42	69.74
BRT-SJ1248SP	12"	129	48	21	48	118.46



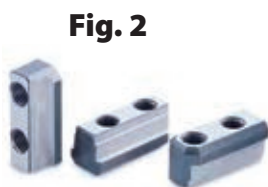
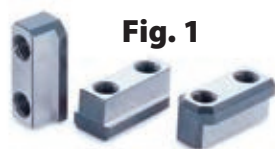
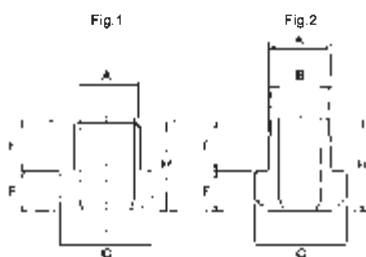
TAIKI® Soft Jaws - 1.5mmX60° Standard Type



For Flat Type Jaws, please add "A" to suffix of order number, such as: SJ08037A, 120° Pointed: SJ08037C.

Order Number set of 3	S-1	S-2	S-3	S-4	S-5	S-6	S-7	S-8	S-9	Sale Price (set of 3)
Dimension (MM)										
SJ06030A (6")	73	31	30	12	5	18	20	38	M10	\$56.23
SJ06030C (6")	73	31	30	12	5	18	20	38	M10	70.74
SJ08037A (8")	95	35	37	14	5	22	25	46	M12	70.74
SJ08037C (8")	95	35	37	14	5	22	25	46	M12	93.83
SJ10042A (10")	110	40	42	16	5	27	30	50	M12	97.14
SJ10042C (10")	110	40	42	16	5	27	30	50	M12	105.19
SJ12048A (12")	129	48	48	21	5	28	30	60	M16	159.94
SJ12048C (12")	129	48	48	21	5	28	30	60	M16	179.73

TAIKI® Jaw Nuts



Standard T-Nuts to suit Kitagawa B-Type, Matsumoto, Howa										
Dimensions (UNIT: mm)										
Order Number/ Dimension	Chuck Size	To suit Kitagawa	A	C	D	E	F	G	H	Reference Set of 3 Price
TB06	6"	B-06	12	20	M10	15	7	17.5	22	Fig. 1 \$127.93
TB08	8"	B-08	14	25	M12	16	10	20.5	26	Fig. 1 145.54
TB10	10"	B-10	16	30	M12	16	10	22.5	26	Fig. 1 162.90
TB12	12"	B-12	18	30	M14	20	13.5	26.5	33.5	Fig. 1 215.26
TB15	15"	N-15/B215	25.5	43	M20	20	19	35	39	Fig. 1 388.92

Standard T-Nuts to suit Kitagawa B-200 Type												
Order Number/ Dimension	Chuck Size	To suit Kitagawa	A	B	C	D	E	F	G	H	Reference Drawing	Set of 3 Price
T05	5"	B-205	10	-	14	M8	9.5	5	14	14.5	Fig. 1	\$118.89
T06	6"	B-206	12	-	20	M10	11	7.5	17.5	18.5	Fig. 1	127.93
T08	8"	B-208	14	-	25	M12	12	8.5	20.5	20.5	Fig. 1	145.54
T10	10"	B-210	16	-	30	M12	13	8.5	22.5	21.5	Fig. 1	162.90
T12	12"	B-212	21	-	30	M16	16.5	11.5	28	28	Fig. 1	215.26
T15	15"	B-15	24	22	43	M20	29	16.5	33.5	45.5	Fig. 2	388.92

TAIKI® Jaw Nut Bolts



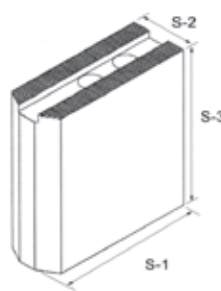
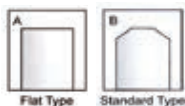
Jaw Nut Bolts to suit Kitagawa B-Type

Part No.	Chuck Size	Screw Size	Price (each)
TTSHC1016030	6"	M10-1.60 x 30 mm	\$4.77
TTSHC1217535	8"	M12-1.75 x 35 mm	5.34
TTSHC1217535	10"	M12-1.75 x 35 mm	5.34
TTSHC1420045	12"	M14-2.00 x 45 mm	5.54
TTSHC2025050	15"	M20-2.50 x 50 mm	6.70

Jaw Nut Bolts to suit Kitagawa B-200 Type

Part No.	Chuck Size	Screw Size	Price (each)
TTSHC0812525	5"	M8-1.25 x 25 mm	\$4.28
TTSHC1016030	6"	M10-1.60 x 30 mm	4.77
TTSHC1217530	8"	M12-1.75 x 30 mm	5.34
TTSHC1217530	10"	M12-1.75 x 30 mm	5.34
TTSHC1620040	12"	M16-2.00 x 40 mm	5.54
TTSHC2025050	15"	M20-2.50 x 50 mm	6.70





For:

- Kitagawa, Matsumoto, Howa & Seike, Samchully, Strong, SMW
- 1.5 mm x 60° Serration

Model/ Dimension	Chuck Size	Length S-1	Width S-2	Height S-3	Groove Width	Serration Pitch	Price (set of 3)
SJ05100A	5"	62	23	100	10	1.5x60°	\$215.31
SJ06050B	6"	73	31	50	12	1.5x60°	82.29
SJ06080B	6"	73	31	80	12	1.5x60°	144.94
SJ06100A	6"	73	31	100	12	1.5x60°	195.89
SJ06130B	6"	73	31	130	12	1.5x60°	252.27
SJ08050B	8"	95	35	50	14	1.5x60°	101.66
SJ08080B	8"	95	35	80	14	1.5x60°	152.54
SJ08100B	8"	95	35	100	14	1.5x60°	208.80
SJ08150B	8"	95	35	150	14	1.5x60°	305.04
SJ10050B	10"	110	40	50	16	1.5x60°	126.96
SJ10080B	10"	110	40	80	16	1.5x60°	177.91
SJ10100B	10"	110	40	100	16	1.5x60°	269.09
SJ10150B	10"	110	40	150	16	1.5x60°	303.39
SJ12060B	12"	129	48	60	21	1.5x60°	189.45
SJ12080B	12"	129	48	80	21	1.5x60°	240.41
SJ12100A	12"	129	48	100	21	1.5x60°	303.05
SJ12150B	12"	129	48	150	21	1.5x60°	371.00

TAIKI® Jaw Boring Rings - TL (3 Jaw)

- Suitable for CNC Lathe. • Ideal for machining soft jaws. • Attaches to front of jaws without tools, compensating for "jaw lift".
- Applies equal pressure on all jaws. • Since no discs or bungs are used to clamp jaws, through boring of jaws is possible.



1. Set the jaw for correct position.



2. Adjust the Jaw Boring Rings to hit the bolt holes and turn opposite direction of the chuck clamping force.



3. Lock the chuck to clamp the Jaw Boring Rings



4. Machining the required size.

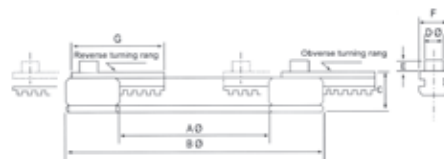


5. Unlock the chuck, and remove the Jaw Boring Rings.



6. If these steps are operated correctly, the part will be accuracy in better T.I.R.

Order Number	Chuck	D-E				Jaw	Max. Speed	Price	
	Size	A	B	C	(Dia.)	F-G	Stroke (ea.)		RPM
TL-100	5, 6, 8"	100	170	26	13-7	19-61	7.4	800	\$938.21
TL-125	6, 8, 10"	125	200	26	16.3-8	19-61	7.4	700	1,014.06
TL-160	8, 10, 12"	160	248	31	18.3-8	24-80	8.5	600	1,220.15



TAIKI® Jaw Boring Rings - JB

To Suit CNC Lathes.

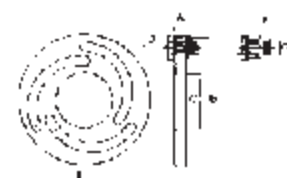
For adjusting the high accuracy of chuck during cutting performance.

The operation process as following:

1. Set the jaw for correct position.
2. Adjust the Jaw Boring Rings to fit the bolt holes.
3. Lock the chuck to clamp the Jaw Boring Rings.
4. Machine the required size.
5. Unlock the chuck.

Order Number/ Dimension	Dimensions (UNIT: mm)							
	A	B	C	D	E	F	G	Price
JB06 (6")	12	168	80	12	32	9	16.5	\$372.16
JB08 (8")	12	218	115	15	36	9	18.5	408.30
JB10 (10")	12	258	150	17	40	9	18.5	461.68
JB12 (12")	15	316	188	21	50	9	21.5	676.04
JB15 (15")	20	380	230	23	52	16	31	1,135.83

• Material: SCM440





BRT-Tools Hard Jaws - Dimensions (UNIT: mm) set of 3

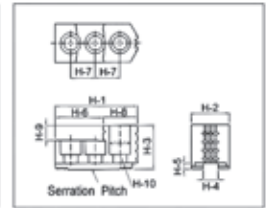
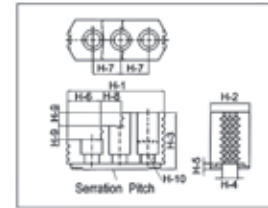


Order Number/ Dimension	Chuck Size	H-1	H-2	H-3	H-4	H-5	H-6	H-7	H-8	H-9	H-10	Pitch	Drawing	Price
BRT-HJ06	6"	67	31	36	12	5	39	20	28	12	M10	1.5x60°	Fig. 1	\$313.39
BRT-HJ08	8"	86	35	51	14	5	31	25	18	12	M12	1.5x60°	Fig. 1	422.29
BRT-HJ10	10"	100	40	54	16	5	43	30	17	14	M12	1.5x60°	Fig. 1	480.37
BRT-HJ12-21	12"	113	50	32	21	5	69.5	30	43.5	20	M16	1.5x60°	Fig. 1	480.37

TAIKI® Hard Jaws

The hardened serrations of the clamping step are designed to clamp the workpiece securely without leaving large scrapes.

- Material: SNCM21
- To suit kitagawa and other power chucks



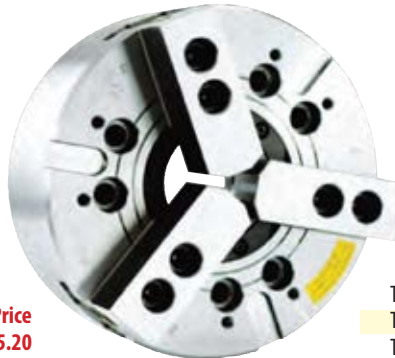
Dimensions (UNIT: mm) set of 3

Order Number/ Dimension	Chuck Size	H-1	H-2	H-3	H-4	H-5	H-6	H-7	H-8	H-9	H-10	Pitch	Drawing	Price
HJ06	6"	67	31	36	12	5	39	20	28	12	M10	1.5x60°	Fig. 2	\$575.44
HJ08	8"	86	35	51	14	5	31	25	18	12	M12	1.5x60°	Fig. 1	634.81
HJ10	10"	100	40	54	16	5	43	30	17	14	M12	1.5x60°	Fig. 1	773.32
HJ12-21	12"	113	50	52	21	5	69.5	30	43.5	20	M16	1.5x60°	Fig. 2	1,109.68
HJ15/18-22	15"/18"	143	62	86	22	8/5	55	43	38	20	M20	1.5x60°	Fig. 1	1,482.32
HJ15/18-25.5	15"/18"	143	62	86	25.5	8/5	55	43	38	20	M20	1.5x60°	Fig. 1	1,430.34

Strong^{AUTO}

(Kitigawa style)

BIG BORE CHUCKS



POWER CHUCKS

Product
Code

Product Description

Price

TA-STNB208A6	NB208A6 8" Big Bore Chuck (66mm)	\$4,525.20
TA-STNB218A8	NB210A8 10" Big Bore Chuck (78mm)	6,063.82

Product
Code

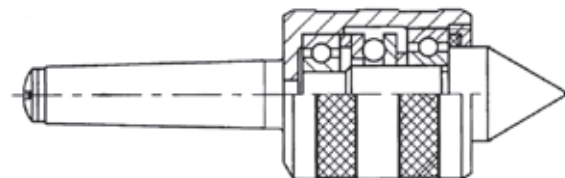
Product Description

Price

TA-STRN206A5	N-206A5 6" 3 Jaw Power Chuck	\$3,114.06
TA-STRN208A6	N-208A6 8" 3 Jaw Power Chuck	3,317.42
TA-STRN210A8	N-210A8 10" 3 Jaw Power Chuck	4,908.16
TA-STRN212A8	N-212A8 12" 3 Jaw Power Chuck	6,417.31



PRECISION LIVE CENTERS



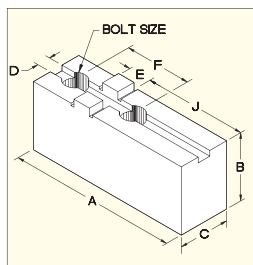
- 60° Standard steel point
- Three bearing design - greatly reduces deflection and increases rigidity.

Part No.	Morse Taper	Max RPM	Max Radial Load	Weight (lbs)	Price
BRT-LCD413	MT3	4200	2000	2.05	\$149.00
BRT-LCD414	MT4	3200	3200	3.75	199.00
BRT-LCD415	MT5	2400	6300	7.5	249.00



**Mfg. and
Supply, Inc.**

AMERICAN STANDARD TONGUE & GROOVE



For: Bergman, Bison, Cushman, Huron, Rohm, Forkhardt, Pratt Burnerd America, SCA, SP, W&S, Nobel & Yuasa

Mild Steel Standard • Aluminum available

"P" - means Pointed Jaw

"O" - means Tongue is Offset (see "J" dimension)

***** - means 1/8" Tongue Height**

****** - means 3/16" Tongue Height**

Note:

Pricing on American Standard Tongue & Groove are Sets of 3, but can be ordered individually.

Medium Duty Soft Jaws

Standard Height

Chuck Size	Part No.	A	B	C	D	E	F	Bolt	J
5" - 6" ***	HR-5MSH	2-3/16	1-3/8	3/4	.313	.500	1.250	5/16	CENTER
5" - 6" ***	HR-6MSH	2-13/16	1-3/8	1	.313	.500	1.50	3/8	CENTER
5" - 6" ***	HR-447	2-5/8	1-5/8	1-1/4	.313	.500	1.50	3/8	1-1/8
5" - 6" ***	HR-6MSH-O	3-1/4	1-3/8	1	.313	.500	1.50	3/8	1-13/16
5" - 6" ***	HR-6MSH-OP	3-1/4	1-3/8	1	.313	.500	1.50	3/8	1-13/16
5" - 6" ***	HR-459-P	3-3/16	1-5/8	1-1/4	.313	.500	1.50	3/8	1-11/16
8" ***	HR-8MSH	3-5/16	1-7/8	1-1/4	.313	.500	1.75	3/8	CENTER
8" ***	HR-450	3-1/2	1-5/8	1-1/4	.313	.500	1.75	3/8	1-5/8
8" ***	HR-8MSH-O	3-3/4	1-7/8	1-1/4	.313	.500	1.75	3/8	2-3/16
8" ***	HR-8MSH-OP	3-3/4	1-7/8	1-1/4	.313	.500	1.75	3/8	2-3/16
8" ***	HR-462-P	3-15/16	1-5/8	1-1/4	.313	.500	1.75	3/8	2-1/4
8" W&S	M-1603-B\2307B1	3-1/2	2-1/8	1-1/4	.313	.500	1.75	1/2	1-13/16
10" ***	HR-10MSH	3-15/16	1-7/8	1-1/2	.500	.750	2.12	1/2	CENTER
10" ***	HR-452	4-1/4	1-7/8	1-1/2	.500	.750	2.12	1/2	1-15/16
10" ***	HR-10MSH-O	4-5/8	1-7/8	1-1/2	.500	.750	2.12	1/2	2-5/8
10" ***	HR-10MSH-OP	4-5/8	1-7/8	1-1/2	.500	.750	2.12	1/2	2-5/8
10" ***	HR-464-P	4-13/16	1-7/8	1-1/2	.500	.750	2.12	1/2	2-11/16
10" W&S	M-1605-B\2309B1	4-1/4	2-3/8	1-3/4	.500	.750	2.12	5/8	2-1/8
10" ***	HR-12MSH	4-1/2	2-1/8	1-3/4	.500	.750	2.50	1/2	CENTER
10" ***	HR-12MSH-O	5-3/8	2-1/8	1-3/4	.500	.750	2.50	1/2	3-1/8
10" ***	HR-12MSH-OP	5-3/8	2-1/8	1-3/4	.500	.750	2.50	1/2	3-1/8
10" ***	HR-466-P	5-3/4	2-3/8	1-3/4	.500	.750	2.50	1/2	3-3/8
12" W&S	M-1607-B\2311B1	4-7/8	2-3/8	1-3/4	.500	.750	2.50	5/8	2-1/2
15" ****	HR-15MSH	5-3/16	2-5/16	1-3/4	.500	.750	3.00	5/8	CENTER
15" ****	HR-456	5-5/8	2-5/16	2	.500	.750	3.00	5/8	2-3/4
15" ****	HR-15MSH-O	6-1/4	2-5/16	1-3/4	.500	.750	3.00	5/8	3-5/8
15" ****	HR-15MSH-OP	6-1/4	2-5/16	1-3/4	.500	.750	3.00	5/8	3-5/8
15" ****	HR-468-P	7-1/4	2-5/16	2	.500	.750	3.00	5/8	4-1/2
15" W&S	M-1609-B	5-3/4	3-1/4	2	.500	.750	3.00	3/4	3
18" - 21" ****	HR-18MSH	5-3/16	2-13/16	2-1/4	.500	.750	3.00	3/4	CENTER
18" - 21" ****	HR-457	5-5/8	2-5/16	2	.500	.750	3.00	3/4	2-3/4
18" - 21" ****	HR-18MSH-O	6-3/8	2-13/16	2-1/4	.500	.750	3.00	3/4	3-3/4
18" - 21" ****	HR-18MSH-OP	6-3/8	2-13/16	2-1/4	.500	.750	3.00	3/4	3-3/4
18" - 21" ****	HR-519-P	7-1/4	3-5/16	2-1/2	.500	.750	3.00	3/4	4-1/2
18" W&S	M-1611-B	6	3-1/4	2-1/2	.500	.750	3.00	3/4	3
24" - 36" ****	HR-458	5-5/8	3-5/16	2-1/2	.500	.750	3.00	3/4	2-3/4

Extra Height

Part No.	B	Price (set of 3)
HR-5MEH	3-3/8	\$120.01
HR-6MEH	3-3/8	\$134.23
HR-471	3-3/8	\$130.94
HR-6MEH-O	3-3/8	\$141.09
HR-6MEH-OP	3-3/8	\$182.55
HR-483-P	3-3/8	\$185.99
HR-8MEH	3-3/8	\$144.60
HR-474	3-3/8	\$144.60
HR-8MEH-O	3-3/8	\$155.10
HR-8MEH-OP	3-3/8	\$196.36
HR-486-P	3-3/8	\$203.25
M-1603-L\2307B2	2-7/8	\$196.36
HR-10MEH	3-3/8	\$182.55
HR-476	3-3/8	\$185.99
HR-10MEH-O	3-3/8	\$194.27
HR-10MEH-OP	3-3/8	\$234.29
HR-488-P	3-3/8	\$241.22
M-1605-L\2309B2	3-3/8	\$261.73
HR-478	3-7/8	\$206.71
HR-12MEH-O	3-7/8	\$223.95
HR-12MEH-OP	3-7/8	\$292.82
HR-490-P	3-7/8	\$299.70
M-1607-L\2311B2	3-7/8	\$272.10
HR-15MEH	3-13/16	\$248.09
HR-480	3-13/16	\$274.35
HR-15MEH-O	3-13/16	\$275.72
HR-15MEH-OP	3-13/16	\$344.55
HR-495-P	3-13/16	\$358.36
M-1609-L	4-3/4	\$444.46
HR-18MEH	4-13/16	\$358.36
HR-481	3-13/16	\$358.36
HR-18MEH-O	4-13/16	\$375.60
HR-18MEH-OP	4-13/16	\$444.48
HR-520-P	4-13/16	\$592.65
M-1611-L	4-3/4	\$472.36
HR-482	4-13/16	\$399.61

Coolant Hose Segments & Fittings



1/4" System. Interchangeable with LocLine Kit

includes: two 6" segments, 1/16", 1/8", 1/4" nozzles and 1/4", 1/8" male NPT

Item No.
82020A

Sale Price
\$17.28

1/2" System. Interchangeable with LocLine Kit

includes: two 6" segments, 1/4", 3/8", 1/2" nozzles and 3/8", 1/2" male NPT

Item No.
84040A

Sale Price
\$21.64



Tightening Fixture

BRT-106C40TF

- Fits CAT 40 / HSK63A / BT40
- Multi-Position Setting
- Heavy Duty Construction



Price \$429.00

Cutting Tool Lubricant - Type 11-UB

UltraLube™ High Performance - High Viscosity
Super concentrated no run formula. Clings to vertical surfaces for continual lubrication. Rich gold color and thick consistency gives a quality appearance not available with thin runny fluids. Virtually smoke free in even the most heat prone applications. Contains no ozone depleting substances. This fluid will extend tool life and yield a super smooth machined finish.



Part No.
TT-96070

Size
16 OZ.

Qty.
1

Sale Price (ea.)
27.83

Case
Part No.

Bottles
Per Case

Weight
Per Case

Sale Price (cs.)

TT-96060C
TT-96070C

48 - 4 OZ.
12 - 16 OZ.

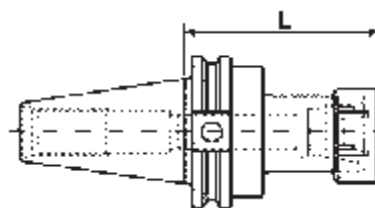
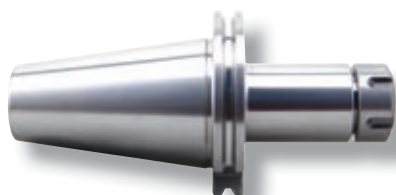
18 LBS./8.2 KGS.
15 LBS./6.8 KGS.

\$403.85
325.63



ER/TG COLLET CHUCKS • CAT 40 • 20,000 RPM

PRECISION TOOLS



PART NO.	TAPER	DESCRIPTION	COLLET SIZE	GAGE -L	PRICE
BRT-01031125	CAT 40	Collet Chuck	ER11	2.5"	\$95.96
BRT-01031140	CAT 40	Collet Chuck	ER11	4"	102.28
BRT-01031160	CAT 40	Collet Chuck	ER11	6"	128.17
BRT-01031625	CAT 40	Collet Chuck	ER16	2.5"	95.56
BRT-01031640	CAT 40	Collet Chuck	ER16	4"	102.28
BRT-01031660	CAT 40	Collet Chuck	ER16	6"	128.17
BRT-01032025	CAT 40	Collet Chuck	ER20	2.5"	95.56
BRT-01032040	CAT 40	Collet Chuck	ER20	4"	102.28
BRT-01032060	CAT 40	Collet Chuck	ER20	6"	128.57
BRT-01032525	CAT 40	Collet Chuck	ER25	2.5"	95.56
BRT-01032540	CAT 40	Collet Chuck	ER25	4"	102.28
BRT-01032560	CAT 40	Collet Chuck	ER25	6"	128.17
BRT-01033230	CAT 40	Collet Chuck	ER32	3"	89.90
BRT-01033250	CAT 40	Collet Chuck	ER32	5"	115.23
BRT-01033280	CAT 40	Collet Chuck	ER32	8"	128.17
BRT-01034030	CAT 40	Collet Chuck	ER40	3"	95.56
BRT-01034050	CAT 40	Collet Chuck	ER40	5"	115.23
BRT-01TG1003	CAT 40	Collet Chuck	TG100	3.25"	115.23
BRT-01TG1004	CAT 40	Collet Chuck	TG100	4.50"	128.17

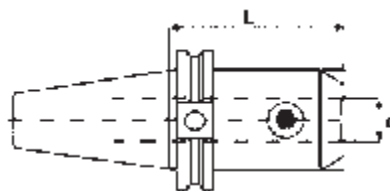


See page 33 for wrenches & nuts. See pages 33-39 for ER and TG100 Collets.



END MILL HOLDER • CAT 40 • 20,000 RPM

PRECISION TOOLS

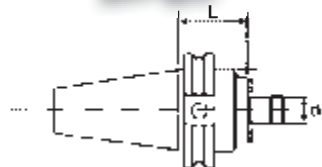


PART NO.	TAPER	DESCRIPTION	HOLE DIA. -D	GAGE -L	PRICE
BRT-01010251	CAT 40	End Mill Holder	1/4"	1.38"	\$102.28
BRT-01010254	CAT 40	End Mill Holder	1/4"	4"	102.28
BRT-01010311	CAT 40	End Mill Holder	5/16"	1.38"	102.28
BRT-01010314	CAT 40	End Mill Holder	5/16"	4"	102.28
BRT-01010371	CAT 40	End Mill Holder	3/8"	1.38"	102.28
BRT-01010374	CAT 40	End Mill Holder	3/8"	4"	102.28
BRT-01010432	CAT 40	End Mill Holder	7/16"	2.5"	102.28
BRT-01010501	CAT 40	End Mill Holder	1/2"	1.75"	102.28
BRT-01010504	CAT 40	End Mill Holder	1/2"	4"	102.28
BRT-01010506	CAT 40	End Mill Holder	1/2"	6"	102.28
BRT-01010621	CAT 40	End Mill Holder	5/8"	1.75"	102.28
BRT-01010623	CAT 40	End Mill Holder	5/8"	3"	102.28
BRT-01010625	CAT 40	End Mill Holder	5/8"	5"	115.23
BRT-01010751	CAT 40	End Mill Holder	3/4"	1.75"	102.28
BRT-01010753	CAT 40	End Mill Holder	3/4"	3"	102.28
BRT-01010755	CAT 40	End Mill Holder	3/4"	5.5"	115.23
BRT-01010873	CAT 40	End Mill Holder	7/8"	3.5"	102.28
BRT-01011002	CAT 40	End Mill Holder	1"	2"	102.28
BRT-01011004	CAT 40	End Mill Holder	1"	4"	102.28
BRT-01011006	CAT 40	End Mill Holder	1"	6"	128.17
BRT-01011252	CAT 40	End Mill Holder	1-1/4"	2"	102.28
BRT-01011254	CAT 40	End Mill Holder	1-1/4"	4"	102.28
BRT-01011256	CAT 40	End Mill Holder	1-1/4"	6"	128.17
BRT-01011504	CAT 40	End Mill Holder	1-1/2"	4.5"	102.28



FACE MILL HOLDER • CAT 40

PRECISION TOOLS

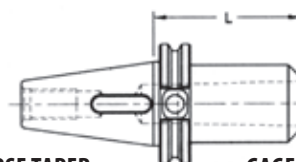


PART NO.	TAPER	DESCRIPTION	HOLE DIA. -D	GAGE -L	PRICE
BRT-01020501	CAT 40	Shell Mill Adapter	1/2"	1.75"	\$89.33
BRT-01020751	CAT 40	Shell Mill Adapter	3/4"	1.75"	89.33
BRT-01020754	CAT 40	Shell Mill Adapter	3/4"	4"	102.28
BRT-01021001	CAT 40	Shell Mill Adapter	1"	1.75"	89.33
BRT-01021004	CAT 40	Shell Mill Adapter	1"	4"	102.28
BRT-01021252	CAT 40	Shell Mill Adapter	1-1/4"	2"	89.33
BRT-01021254	CAT 40	Shell Mill Adapter	1-1/4"	4"	102.28
BRT-01021502	CAT 40	Shell Mill Adapter	1-1/2"	2"	89.33
BRT-01021504	CAT 40	Shell Mill Adapter	1-1/2"	4"	102.28



MORSE TAPER ADAPTER • CAT 40

PRECISION TOOLS

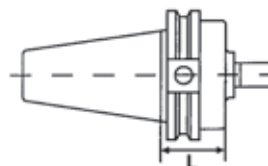
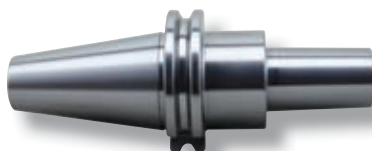


PART NO.	TAPER	DESCRIPTION	MORSE TAPER	GAGE -L	PRICE
BRT-01050202	CAT 40	Morse Taper Adapter	MT 2	2"	\$89.33
BRT-01050303	CAT 40	Morse Taper Adapter	MT 3	3"	89.33
BRT-01050404	CAT 40	Morse Taper Adapter	MT 4	4"	89.33



JACOBS TAPER ADAPTER • CAT 40

PRECISION TOOLS

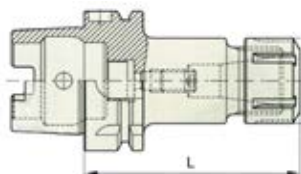


PART NO.	TAPER	DESCRIPTION	JACOBS TAPER	GAGE -L	PRICE
BRT-01040202	CAT 40	Jacobs Adapter	JT #2	2"	\$89.33
BRT-01040302	CAT 40	Jacobs Adapter	JT #3	2"	89.33
BRT-01040402	CAT 40	Jacobs Adapter	JT #4	2"	89.33
BRT-01040602	CAT 40	Jacobs Adapter	JT #6	2"	89.33
BRT-01043302	CAT 40	Jacobs Adapter	JT #33	2"	89.33



HSK 63A COLLET CHUCKS

PRECISION TOOLS

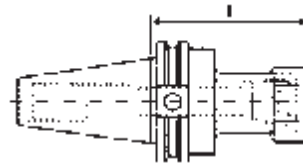
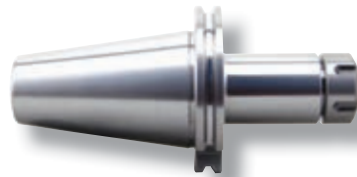


PART NO.	DESCRIPTION	COLLET SIZE	GAGE LENGTH (L)	PRICE
BRT-8881175	HSK63A-ER11-75 Collet Chuck	ER11	75mm (2.95")	\$251.94
BRT-88811100	HSK63A-ER11-100 Collet Chuck	ER11	100mm (3.94")	282.17
BRT-8881675	HSK63A-ER16-75 Collet Chuck	ER16	75mm (2.95")	226.44
BRT-88816160	HSK63A-ER16-160 Collet Chuck	ER16	160mm (6.30")	282.17
BRT-8882075	HSK63A-ER20-75 Collet Chuck	ER20	75mm (2.95")	226.44
BRT-88820160	HSK63A-ER20-160 Collet Chuck	ER20	160mm (6.30")	282.17
BRT-8882575	HSK63A-ER25-75 Collet Chuck	ER25	75mm (2.95")	226.44
BRT-88825160	HSK63A-ER25-160 Collet Chuck	ER25	160mm (6.30")	282.17
BRT-8883275	HSK63A-ER32-75 Collet Chuck	ER32	75mm (2.95")	226.44
BRT-88832160	HSK63A-ER32-160 Collet Chuck	ER32	160mm (6.30")	282.17
BRT-8884090	HSK63A-ER40-90 Collet Chuck	ER40	90mm (3.54")	251.92
BRT-88840160	HSK63A-ER40-160 Collet Chuck	ER40	160mm (6.30")	282.17



ER/TG COLLET CHUCKS • CAT 50 • 15,000 RPM

PRECISION TOOLS



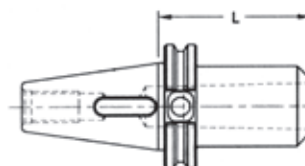
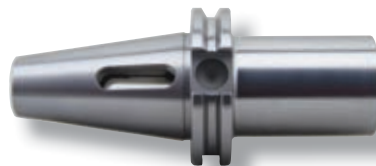
PART NO.	TAPER	DESCRIPTION	COLLET SIZE	GAGE -L	PRICE
BRT-02031640	CAT 50	Collet Chuck	ER16	4"	\$141.12
BRT-02031660	CAT 50	Collet Chuck	ER16	6"	167.01
BRT-02032025	CAT 50	Collet Chuck	ER20	2.5"	141.12
BRT-02032060	CAT 50	Collet Chuck	ER20	6"	167.01
BRT-02032525	CAT 50	Collet Chuck	ER25	2.5"	141.12
BRT-02032540	CAT 50	Collet Chuck	ER25	4"	141.12
BRT-02032560	CAT 50	Collet Chuck	ER25	6"	167.01
BRT-02032580	CAT 50	Collet Chuck	ER25	8"	226.58
BRT-02033240	CAT 50	Collet Chuck	ER32	4"	141.12
BRT-02033260	CAT 50	Collet Chuck	ER32	6"	154.07
BRT-02033280	CAT 50	Collet Chuck	ER32	8"	226.58
BRT-02034040	CAT 50	Collet Chuck	ER40	4"	141.12
BRT-02034060	CAT 50	Collet Chuck	ER40	6"	154.07
BRT-02034080	CAT 50	Collet Chuck	ER40	8"	226.58
BRT-02TG1003	CAT 50	Collet Chuck	TG100	3.25"	179.86
BRT-02TG1005	CAT 50	Collet Chuck	TG100	5.50"	218.80

See pages 33-39 for ER and TG100 Collets.
See page 33 for Wrenches & Nuts.



MORSE TAPER ADAPTER • CAT 50

PRECISION TOOLS

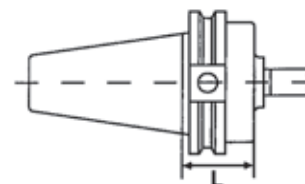


PART NO.	TAPER	DESCRIPTION	MORSE TAPER	GAGE -L	PRICE
BRT-02050202	CAT 50	Morse Taper Adapter	MT 2	2"	\$128.17
BRT-02050302	CAT 50	Morse Taper Adapter	MT 3	2"	128.17
BRT-02050403	CAT 50	Morse Taper Adapter	MT 4	3"	128.17
BRT-02050504	CAT 50	Morse Taper Adapter	MT 5	4"	154.07

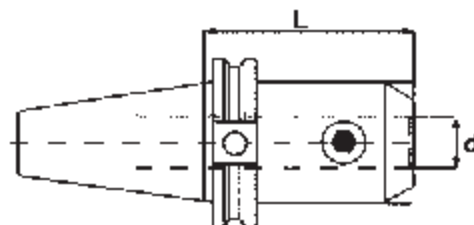
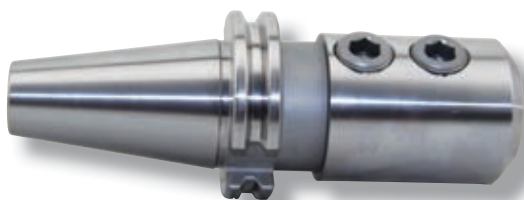


JACOBS TAPER ADAPTER • CAT 50

PRECISION TOOLS



PART NO.	TAPER	DESCRIPTION	HOLE DIA. -D	GAGE -L	PRICE
BRT-02040202	CAT 50	Jacobs Adapter	JT #2	2"	\$121.70
BRT-02040302	CAT 50	Jacobs Adapter	JT #3	2"	121.70
BRT-02040402	CAT 50	Jacobs Adapter	JT #4	2"	121.70
BRT-02040602	CAT 50	Jacobs Adapter	JT #6	2"	121.70
BRT-02043302	CAT 50	Jacobs Adapter	JT #33	2"	121.70

**END MILL HOLDER • CAT 50 • 15,000 RPM****PRECISION TOOLS**

PART NO.	TAPER	DESCRIPTION	HOLE DIA. -D	GAGE -L	PRICE
BRT-02010251	CAT 50	End Mill Holder	1/4"	1.38"	\$154.07
BRT-02010254	CAT 50	End Mill Holder	1/4"	4"	128.17
BRT-02010256	CAT 50	End Mill Holder	1/4"	6"	154.07
BRT-02010312	CAT 50	End Mill Holder	5/16"	2.5"	128.17
BRT-02010314	CAT 50	End Mill Holder	5/16"	4"	128.17
BRT-02010371	CAT 50	End Mill Holder	3/8"	1.38"	154.07
BRT-02010374	CAT 50	End Mill Holder	3/8"	4"	128.17
BRT-02010376	CAT 50	End Mill Holder	3/8"	6"	154.07
BRT-02010432	CAT 50	End Mill Holder	7/16"	2.5"	128.17
BRT-02010501	CAT 50	End Mill Holder	1/2"	1.75"	128.17
BRT-02010504	CAT 50	End Mill Holder	1/2"	4"	128.17
BRT-02010506	CAT 50	End Mill Holder	1/2"	6"	154.07
BRT-02010621	CAT 50	End Mill Holder	5/8"	1.75"	128.17
BRT-02010624	CAT 50	End Mill Holder	5/8"	4"	128.17
BRT-02010626	CAT 50	End Mill Holder	5/8"	6"	154.07
BRT-02010751	CAT 50	End Mill Holder	3/4"	1.75"	128.17
BRT-02010754	CAT 50	End Mill Holder	3/4"	4"	128.17
BRT-02010756	CAT 50	End Mill Holder	3/4"	6"	154.07
BRT-02018753	CAT 50	End Mill Holder	7/8"	3.75"	128.17
BRT-02011002	CAT 50	End Mill Holder	1"	2"	154.07
BRT-02011004	CAT 50	End Mill Holder	1"	4"	154.07
BRT-02011006	CAT 50	End Mill Holder	1"	6"	167.01
BRT-02011008	CAT 50	End Mill Holder	1"	8"	231.75
BRT-02011252	CAT 50	End Mill Holder	1-1/4"	2"	154.07
BRT-02011254	CAT 50	End Mill Holder	1-1/4"	4"	154.07
BRT-02011256	CAT 50	End Mill Holder	1-1/4"	6"	167.01
BRT-02011258	CAT 50	End Mill Holder	1-1/4"	8"	231.75
BRT-02011502	CAT 50	End Mill Holder	1-1/2"	2.25"	154.07
BRT-02011504	CAT 50	End Mill Holder	1-1/2"	4.5"	154.07
BRT-02011508	CAT 50	End Mill Holder	1-1/2"	8"	231.75
BRT-02012005	CAT 50	End Mill Holder	2"	5.37"	167.01

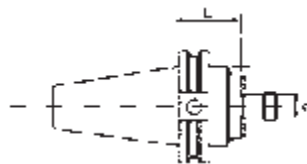
**ARBOR SCREWS****PRECISION TOOLS**

Part No.	Thread Size	Holder Size	Price (each)
BRT-AS142812	1/4" - 28	1/2"	\$8.65
BRT-AS382434	3/8" - 24	3/4"	8.65
BRT-AS122010	1/2" - 20	1.0"	9.80
BRT-AS581814	5/8" - 18	1-1/4"	12.60
BRT-AS341615	3/4" - 16	1-1/2"	15.80
BRT-AS11420	1" - 14	2.0"	17.20



FACE MILL HOLDER • CAT 50

PRECISION TOOLS



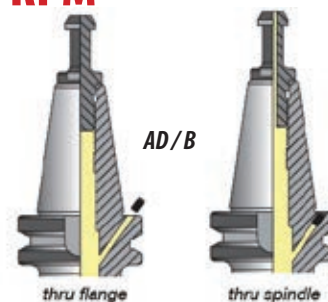
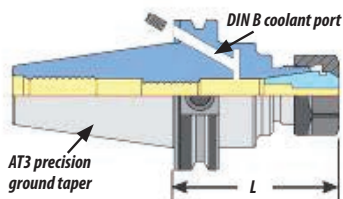
PART NO.	TAPER	DESCRIPTION	ARBOR -d	GAGE -L	PRICE
BRT-02020751	CAT 50	Shell Mill Adapter	3/4"	1.75"	\$167.01
BRT-02020754	CAT 50	Shell Mill Adapter	3/4"	4"	167.01
BRT-02020756	CAT 50	Shell Mill Adapter	3/4"	6"	179.96
BRT-02020758	CAT 50	Shell Mill Adapter	3/4"	8"	226.58
BRT-02021001	CAT 50	Shell Mill Adapter	1"	1.75"	167.01
BRT-02021004	CAT 50	Shell Mill Adapter	1"	4"	167.01
BRT-02021006	CAT 50	Shell Mill Adapter	1"	6"	179.96
BRT-02021008	CAT 50	Shell Mill Adapter	1"	8"	226.58
BRT-02021251	CAT 50	Shell Mill Adapter	1-1/4"	1.75"	167.01
BRT-02021254	CAT 50	Shell Mill Adapter	1-1/4"	4"	179.96
BRT-02021256	CAT 50	Shell Mill Adapter	1-1/4"	6"	205.85
BRT-02021258	CAT 50	Shell Mill Adapter	1-1/4"	8"	239.53
BRT-02021502	CAT 50	Shell Mill Adapter	1-1/2"	2"	167.01
BRT-02021504	CAT 50	Shell Mill Adapter	1-1/2"	4"	179.96
BRT-02021506	CAT 50	Shell Mill Adapter	1-1/2"	6"	205.85
BRT-02021508	CAT 50	Shell Mill Adapter	1-1/2"	8"	239.53
BRT-02022002	CAT 50	Shell Mill Adapter	2"	2"	179.96
BRT-02022004	CAT 50	Shell Mill Adapter	2"	4"	192.92
BRT-02022006	CAT 50	Shell Mill Adapter	2"	6"	205.85



DUAL CONTACT ER COLLET CHUCKS • CAT 40

PRECISION TOOLS

DUAL CONTACT - Balanced to 25,000 RPM



PART NO.	TAPER	DESCRIPTION	COLLET SIZE	GAGE -L	PRICE
BRT-07031627	CAT 40	Dual Contact	ER16	2.76"	\$179.96
BRT-07031640	CAT 40	Dual Contact	ER16	4.00"	192.91
BRT-07031660	CAT 40	Dual Contact	ER16	6.00"	218.80
BRT-07033227	CAT 40	Dual Contact	ER32	2.76"	179.96
BRT-07033240	CAT 40	Dual Contact	ER32	4.00"	192.91
BRT-07033260	CAT 40	Dual Contact	ER32	6.00"	218.80
BRT-07034031	CAT 40	Dual Contact	ER40	3.15"	192.91

See pages 33-38 for ER Collets.



SPINDLE CLEANERS

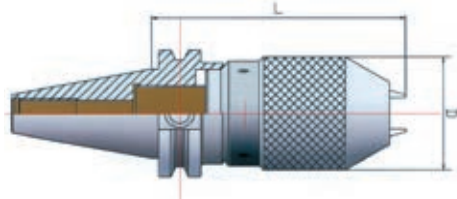


Part No.	Description	Price
BRT-SC0140	CAT 40 / BT 40 Spindle Cleaner	\$23.72 ea.
BRT-SC0250	CAT 50 / BT 50 Spindle Cleaner	26.91 ea.
BRT-SC8863	HSK63 Spindle Cleaner	38.45 ea.



INTEGRAL KEYLESS DRILL CHUCKS

ANSI B5.50



Order No.	Model	Clamping Range	D	L-Gage Length	Price
BRT-0440DR13	CAT40-APU13	1-13	51.5	100 mm	\$257.64
BRT-0440DR16	CAT40-APU16	3-16	58	110 mm	257.64
BRT-0450DR16	CAT50-APU13	3-16	58	105 mm	387.11

Wrench for above

Order No.		Price
BRT-045SPDR13	For 1 - 13 mm Chuck	\$21.24
BRT-045SPDR16	For 3 - 16 mm Chuck	21.24



KEYLESS DRILL CHUCKS

PRECISION TOOLS



- Precision Tested
- For General Machining Condition
- All hardened parts
- Use with CAT or BT Holders

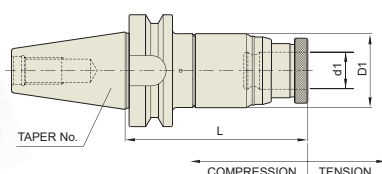


Part No.	Clamping Range	Mount	Price
BRT-DR110J33	1/32" - 3/8" (1-10 mm)	J33	\$66.42
BRT-DR113J33	1/32" - 1/2" (1-13 mm)	J33	71.74
BRT-DR116J6	1/32" - 5/8" (1-16 mm)	J6	83.72
BRT-DR120J3	3/16" - 3/4" (1-20 mm)	J3	109.10



QUICK CHANGE TAPPING CHUCK WITH TENSION COMPRESSION

DIN 69871



Order No.	Model	D	H-Gage Length	Price
BRT-044001	CAT 40 #1 T/C	45 mm	115 mm	\$292.16
BRT-044002	CAT 40 #2 T/C	63 mm	164 mm	333.51
BRT-045001	CAT 50 #1 T/C	45 mm	115 mm	398.88
BRT-045002	CAT 50 #2 T/C	63 mm	148 mm	452.25
BRT-045003	CAT 50 #3 T/C	98 mm	197 mm	633.66

*** For Quick Change Tap Adaptors - see Page 32 ***



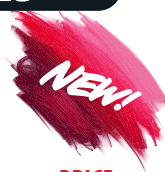
SYNCHRO ER TAPPING CHUCK

PRECISION TOOLS



PART NO.	TAPER	SIZE	RANGE	GAGE - L1	NOSE DIA.	PRICE
BRT-SYCT4032	CAT 40	ER 32	#6 - 13/16" (M3-M20)	100 mm	50 mm	\$558.97
BRT-SYCT5032	CAT 50	ER 32	#6 - 13/16" (M3-M20)	100 mm	50 mm	645.67

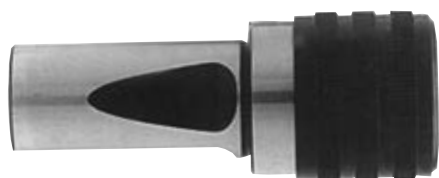
For ER32 TAP Collets see page 37





QUICK CHANGE TAPPING CHUCK WITH TENSION COMPRESSION

DIN 69871

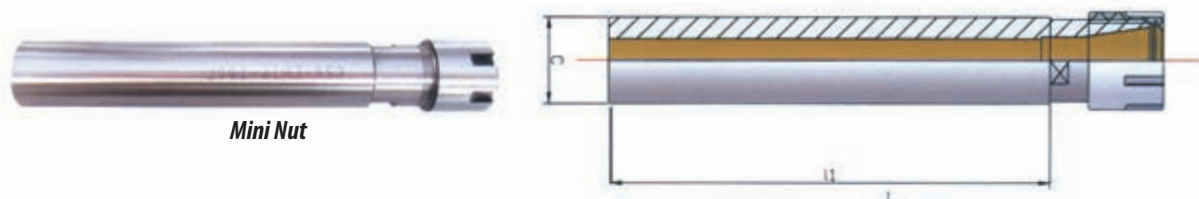


Order No.	Model	Shank	Price
BRT-040101	#1T/C	1"	\$344.39
BRT-040102	#2T/C	1"	344.39
BRT-0411402	#2T/C	1-1/4"	344.39

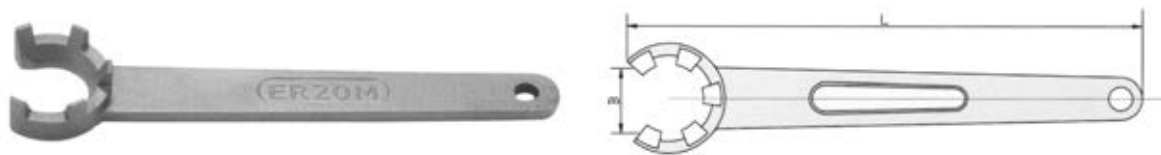


STRAIGHT SHANK MINI COLLET CHUCK

PRECISION TOOLS



PART NO.	COLLET SIZE	NUT DIAMETER	SHANK - C	GAGE - L1	PRICE
BRT-0611M-4	ER 11	.630"	1/2"	4.00"	\$76.38
BRT-0611M-6	ER 11	.630"	1/2"	6.00"	84.16
BRT-0616M-4	ER 16	.865"	1/2"	4.00"	84.16
BRT-0616M-6	ER 16	.865"	1/2"	6.00"	89.33
Mini Nuts					
BRT-101MN11	ER 11	.630"	-	-	16.64
BRT-101MN16	ER 16	.865"	-	-	16.64

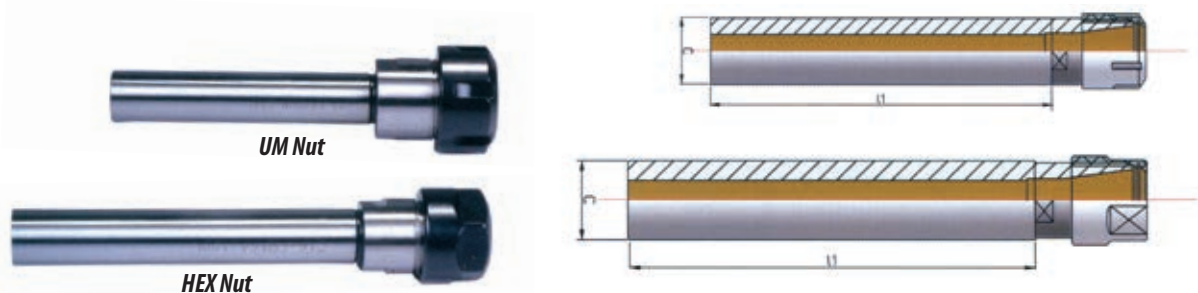


PART NO.	NUT	B(MM)	L (MM)	PRICE
BRT-10111ERM	11ER-M	11	90	\$26.09
BRT-10116ERM	16ER-M	15	110	26.09



STRAIGHT SHANK COLLET CHUCK

PRECISION TOOLS



PART NO.	COLLET SIZE	NUT	SHANK - C	GAGE - L1	PRICE
BRT-06111235	ER 11	HEX	1/2"	3.5"	\$89.33
BRT-06111260	ER 11	HEX	1/2"	6.0"	89.33
BRT-06163440	ER 16	HEX	3/4"	4.0"	89.33
BRT-06163460	ER 16	HEX	3/4"	6.0"	100.99
BRT-06203440	ER20	UM	3/4"	4.0"	89.33
BRT-06203460	ER 20	UM	3/4"	6.0"	100.99
BRT-06253440	ER 25	UM	3/4"	4.0"	102.28
BRT-06251060	ER 25	UM	1.0"	6.0"	128.17
BRT-06321040	ER 32	UM	1.0"	4.0"	128.17
BRT-06321460	ER 32	UM	1-1/4"	6.0"	128.17



PRECISION MILLING CHUCK KITS

PRECISION TOOLS



CAT 40 - SC3/4 KIT

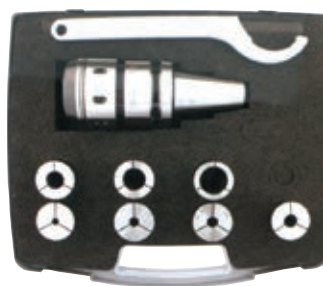
- CAT 40 - 3/4 Milling Chuck
 - SC 3/4 - 1/4 Collet
 - SC 3/4 - 5/16 Collet
 - SC 3/4 - 3/8 Collet
 - SC 3/4 - 7/16 Collet
 - SC 3/4 - 1/2 Collet
 - SC 3/4 - 9/16 Collet
 - SC 3/4 - 5/8 Collet
 - Wrench
 - Aluminum Case
- BRT-034034KT**

\$420.²²

CAT 40 - SC1-1/4 KIT

- CAT 40 1-1/4 Milling Chuck
 - SC 1-1/4 - 3/8 Collet
 - SC 1-1/4 - 7/16 Collet
 - SC 1-1/4 - 1/2 Collet
 - SC 1-1/4 - 9/16 Collet
 - SC 1-1/4 - 5/8 Collet
 - SC 1-1/4 - 3/4 Collet
 - SC 1-1/4 - 1 Collet
 - Wrench
 - Aluminum Case
- BRT-034014KT**

\$438.⁹⁰



CAT 50 - SC3/4 KIT

- CAT 50 - 3/4 Milling Chuck
 - SC 3/4 - 1/4 Collet
 - SC 3/4 - 5/16 Collet
 - SC 3/4 - 3/8 Collet
 - SC 3/4 - 7/16 Collet
 - SC 3/4 - 1/2 Collet
 - SC 3/4 - 9/16 Collet
 - SC 3/4 - 5/8 Collet
 - Wrench
 - Aluminum Case
- BRT-035034KT**

\$505.⁶⁰

CAT 50 - SC1-1/4 KIT

- CAT 50 1-1/4 Milling Chuck
 - SC 1-1/4 - 3/8 Collet
 - SC 1-1/4 - 7/16 Collet
 - SC 1-1/4 - 1/2 Collet
 - SC 1-1/4 - 9/16 Collet
 - SC 1-1/4 - 5/8 Collet
 - SC 1-1/4 - 3/4 Collet
 - SC 1-1/4 - 1 Collet
 - Wrench
 - Aluminum Case
- BRT-035014KT**

\$525.⁶⁰



BRT MILLING COLLETS

PRECISION TOOLS

INCH	SC 1/2"	PRICE	SC 3/4"	PRICE	SC 1-1/4"	PRICE
1/8"	BRT-035018	\$53.11	BRT-033418	\$35.81	-	-
3/16"	BRT-0350316	53.11	BRT-0334316	35.81	BRT-03114316	\$42.46
1/4"	BRT-035014	53.11	BRT-033414	35.81	BRT-0311414	42.46
5/16"	BRT-0350516	53.11	BRT-0334516	35.81	BRT-03114516	42.46
3/8"	BRT-035038	53.11	BRT-033438	35.81	BRT-0311438	42.46
7/16"	-	-	BRT-0334716	35.81	BRT-03114716	42.46
1/2"	-	-	BRT-033412	35.81	BRT-0311412	42.46
9/16"	-	-	BRT-0334916	35.81	BRT-03114916	42.46
5/8"	-	-	BRT-033458	35.81	BRT-0311458	42.46
3/4"	-	-	-	-	BRT-0311434	42.46
7/8"	-	-	-	-	BRT-0311478	42.46
1"	-	-	-	-	BRT-031141	42.46
METRIC	SC 1/2"	PRICE	SC 3/4"	PRICE	SC 1-1/4"	PRICE
3 mm	BRT-0350.3	\$53.11	-	-	-	-
4 mm	BRT-0350.4	53.11	-	-	-	-
6 mm	BRT-0350.6	53.11	BRT-0334.6	\$35.81	BRT-03114.6	\$42.46
8 mm	BRT-0350.8	53.11	BRT-0334.8	35.81	BRT-03114.8	42.46
10 mm	BRT-0350.10	53.11	BRT-0334.10	35.81	BRT-03114.10	42.46
12 mm	-	-	BRT-0334.12	35.81	BRT-03114.12	42.46
14 mm	-	-	BRT-0334.14	35.81	BRT-03114.14	42.46
16 mm	-	-	BRT-0334.16	35.81	BRT-03114.16	42.46
20 mm	-	-	-	-	BRT-03114.20	42.46
25 mm	-	-	-	-	BRT-03114.25	42.46





QUICK CHANGE TAP ADAPTORS

PRECISION TOOLS

SAVE!



SAVE!

ANSI Rigid Tap Adaptors

- Change worn taps in seconds
- Quick-Change Style

				SALE PRICE	\$47.11	\$66.29	\$132.44
ANSI	METRIC TAP / ANSI SHANK	SHANK	SQ	SIZE 1	SIZE 2	SIZE 3	
0-6"	M1.6-M3.5	0.141"	0.110"	BRT-0412001	-	-	
8, 5/32"	M4	0.168"	0.131"	BRT-0412002	-	-	
10, 3/16"	M4.5, M5	0.194"	0.152"	BRT-0412003	-	-	
12, 7/32"	-	0.220"	0.165"	BRT-0412004	-	-	
1/4"	M6, M6.3	0.255"	0.191"	BRT-0412005	-	-	
5/16"	M7, M8	0.318"	0.238"	BRT-0412006	BRT-0424001	-	
3/8"	M10	0.381"	0.286"	BRT-0412007	BRT-0424002	-	
7/16"	M11	0.323"	0.242"	BRT-0412008	BRT-0424003	-	
1/2"	M12, M12.5	0.367"	0.275"	BRT-0412009	BRT-0424004	-	
9/16"	M14	0.429"	0.322"	BRT-0412010	BRT-0424005	-	
5/8"	M16	0.480"	0.360"	-	BRT-0424006	-	
11/16"	M18	0.542"	0.406"	-	BRT-0424007	-	
3/4"	-	0.590"	0.442"	-	BRT-0424008	-	
13/16"	M20	0.652"	0.489"	-	BRT-0424009	BRT-0432001	
7/8"	M22	0.697"	0.523"	-	BRT-0424010	BRT-0432002	
15/16"	M24	0.760"	0.570"	-	-	BRT-0432003	
1"	M25	0.800"	0.600"	-	-	BRT-0432004	
1-1/8, 1-1/16"	M27	0.896"	0.672"	-	-	BRT-0432005	
1-1/4, 1-3/16"	M30	1.021"	0.766"	-	-	BRT-0432006	
1 3/8, 1-5/16"	M33	1.108"	0.831"	-	-	BRT-0432007	
1/8" NPT	-	0.437"	0.328"	BRT-0412012	-	-	
1/4" NPT	-	0.562"	0.421"	-	BRT-0424011	-	
3/8" NPT	-	0.700"	0.531"	-	BRT-0424012	-	
1/2" NPT	-	0.687"	0.515"	-	BRT-0424013	BRT-0432008	
3/4" NPT	-	0.906"	0.678"	-	-	BRT-0432009	
1" NPT	-	1.125"	0.843"	-	-	BRT-0432010	



TOOL HOLDER LOCKING DEVICE & TIGHTENING FIXTURE

PRECISION TOOLS



Order No.	Taper of Tool Holder	Price
BRT-106C40LD	CAT40	\$138.49
BRT-106C50LD	CAT50	202.02



TIGHTENING FIXTURE BRT-106C40TF

- Fits CAT40 / HSK63A / BT40
- Multi-Position Setting
- Heavy Duty Construction

Price \$429.00



HEAVY DUTY TOOLSTANDS

PRECISION TOOLS



PART NUMBER	DESCRIPTION	PRICE
BRT-106C40TS	CAT40 12 POCKETS	\$163.90
BRT-106C50TS	CAT50 8 POCKETS	163.90



PULL STUD WRENCH



Part No.	Model	Opening	Price
BRT-PSWC40	CAT 40	0.748"	\$85.32
BRT-PSWC50	CAT 50	1.260"	113.08
BRT-PSWB40	BT 40	0.748"	73.57
BRT-PSWB50	BT 50/CAT 50	1.181"	100.38
BRT-PSWKIT	4 Pc. SET	-	343.04

(Kit includes 4 Wrenches in Case)



ER COLLET WRENCHES & NUTS

Hex Nut



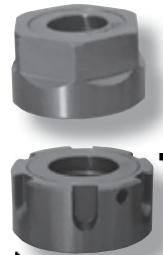
Part No.	Description	Thread	PRICE
BRT-101011A	ER11 Hex Nut	M14 X 0.75	\$14.87
BRT-101016A	ER16 Hex Nut	M22 X 1.5	18.03
BRT-101020A	ER20 Hex Nut	M25 X 1.5	19.24
BRT-101025A	ER25 Hex Nut	M32 X 1.5	21.66

UM Collet Nut



Part No.	Model	Thread	PRICE
BRT-10101600	ER16-UM	M22 X 1.5	\$14.87
BRT-10102000	ER20-UM	M25 X 1.5	18.03
BRT-10102500	ER25-UM	M32 X 1.5	18.03
BRT-10103200	ER32-UM	M40 X 1.5	20.45
BRT-10104000	ER40-UM	M50 X 1.5	22.87

Bearing Nuts



Part No.	Description	Thread	PRICE
BRT-101B16HX	ER16-HEX	M22 X 1.5	\$38.67
BRT-101B20HX	ER20-HEX	M25 X 1.5	38.67
BRT-101B25UM	ER25-UM	M32 X 1.5	42.30
BRT-101B32UM	ER32-UM	M40 X 1.5	45.93
BRT-101B40UM	ER40-UM	M50 X 1.5	50.77

Hex Wrench

Part No.	Description	Price
BRT-1011110A	ER 11 Hex Wrench	\$27.74
BRT-1011160A	ER 16 Hex Wrench	29.83
BRT-1011200A	ER 20 Hex Wrench	31.10
BRT-1011250A	ER 25 Hex Wrench	32.19
BRT-1011320A	ER 32 Hex Wrench	33.76



UM Wrench

Part No.	For Clamping Nut	PRICE
BRT-10111600	ER16-UM	\$19.31
BRT-10112000	ER20-UM	20.52
BRT-10112500	ER25-UM	24.93
BRT-10113200	ER32-UM	30.56
BRT-10114000	ER40-UM	37.46



TG100 Collet Nut

Part No.	Description	Thread	PRICE
BRT-10TG10NT	TG100 Collet Nut	1.875 - 12	\$51.91



TG100 Wrench

Part No.	Model	PRICE
BRT-10TG100	TG100	\$22.99



ER11 COLLETS

Maximum Contact Surface Area: Each BRT-TOOLS ER Collet features 16 full length slits (instead of competition's 8), enabling the collet to collapse uniformly to provide a concentric and full 360° gripping surface.

Material: Premium Grade Special Alloy Steel with a high modulus of elasticity. Combined with the 16-slit design, this material provides full surface contact on the tool when collapsed. Hardness: 44-48 HRC

Inch and Metric Sizes: Choice of Inch and Metric sizes optimizes contact surface area for ultra high precision applications.



Ultra Precision Standard ER11 Collets



Part No.	Description	Holding Capacity			
		Metric		Inch	
BRT-105111.0	ER11 Collet-10	0.5	1.0	0.020	0.039
BRT-105111.5	ER11 Collet-15	1.0	1.5	0.039	0.059
BRT-105112.0	ER11 Collet-20	1.5	2.0	0.059	0.079
BRT-105112.4	ER11 Collet-24	3/32"		0.074	0.094
BRT-105112.5	ER11 Collet-25	2.0	2.5	0.079	0.098
BRT-105113.0	ER11 Collet-30	2.5	3.0	0.098	0.118
BRT-105113.2	ER11 Collet-32	1/8"		0.105	0.125
BRT-105113.5	ER11 Collet-35	3.0	3.5	0.118	0.138
BRT-105114.0	ER11 Collet-40	3.5	4.0	0.138	0.157
BRT-105114.5	ER11 Collet-45	4.0	4.5	0.157	0.177
BRT-105114.8	ER11 Collet-48	3/16"		0.168	0.188
BRT-105115.0	ER11 Collet-50	4.5	5.0	0.177	0.197
BRT-105115.5	ER11 Collet-55	5.0	5.5	0.197	0.217
BRT-105116.0	ER11 Collet-60	5.5	6.0	0.217	0.236
BRT-105116.4	ER11 Collet-64	1/4"		0.230	0.250
BRT-105116.5	ER11 Collet-65	6.0	6.5	0.236	0.256
BRT-105117.0	ER11 Collet-70	6.5	7.0	0.256	0.276



SETS

ULTRA PRECISION ER COLLET SETS: DIN6499B

Ultra Precision ER11 Collets - SET - Inch

Part No.	Description
BRT-1051109I	ER11 Collet Set 9 pc. (1/32"-9/32")

All Sets in a Plastic Case. (not exactly as pictured)



\$175.13

Ultra Precision ER11 Collets - SET - Metric

Part No.	Description
BRT-1051113	ER11 Collet Set 13 pc. (1-7)

All Sets in an Aluminum Case. (not exactly as pictured)



\$196.86



ER16 COLLETS

PRECISION TOOLS



\$18.97

Ultra Precision Standard ER16 Collets

Part No.	Description	Holding Capacity			
		Metric		Inch	
BRT-105161.0	ER16 Collet-10	0.5	1.0	0.020	0.039
BRT-105161.5	ER16 Collet-15	1.0	1.5	0.039	0.059
BRT-105162.0	ER16 Collet-20	1.5	2.0	0.059	0.079
BRT-105162.4	ER16 Collet-24	3/32"		0.074	0.094
BRT-105162.5	ER16 Collet-25	1.5	2.5	0.059	0.098
BRT-105163.0	ER16 Collet-30	2.0	3.0	0.079	0.118
BRT-105163.2	ER16 Collet-32	1/8"		0.087	0.125
BRT-105164.0	ER16 Collet-40	3.0	4.0	0.118	0.157
BRT-105164.8	ER16 Collet-48	3/16"		0.150	0.188
BRT-105165.0	ER16 Collet-50	4.0	5.0	0.157	0.197
BRT-105166.0	ER16 Collet-60	5.0	6.0	0.197	0.236
BRT-105166.4	ER16 Collet-64	1/4"		0.213	0.250
BRT-105167.0	ER16 Collet-70	6.0	7.0	0.236	0.276
BRT-105168.0	ER16 Collet-80	7.0	8.0	0.276	0.315
BRT-105169.0	ER16 Collet-90	8.0	9.0	0.315	0.354
BRT-105169.5	ER16 Collet-95	3/8"		0.335	0.375
BRT-1051610.	ER16 Collet-100	9.0	10.0	0.354	0.394



\$48.01

Steel Sealed ER16 Collets

Part No.	Description	Holding Capacity			
		Metric		Inch	
BRT-SS5163.0	ER16SS Collet-30	2.0	3.0	0.079	0.118
BRT-SS5163.2	ER16SS Collet-32	1/8"		0.087	0.125
BRT-SS5164.0	ER16SS Collet-40	3.0	4.0	0.118	0.157
BRT-SS5164.8	ER16SS Collet-48	3/16"		0.150	0.188
BRT-SS5165.0	ER16SS Collet-50	4.0	5.0	0.157	0.197
BRT-SS5166.0	ER16SS Collet-60	5.0	6.0	0.197	0.236
BRT-SS5166.4	ER16SS Collet-64	1/4"		0.213	0.250
BRT-SS5167.0	ER16SS Collet-70	6.0	7.0	0.236	0.276
BRT-SS5168.0	ER16SS Collet-80	7.0	8.0	0.276	0.315
BRT-SS5169.0	ER16SS Collet-90	8.0	9.0	0.315	0.354
BRT-SS5169.5	ER16SS Collet-95	3/8"		0.335	0.375
BRT-SS51610.	ER16SS Collet-100	9.0	10.0	0.354	0.394

SETS

ULTRA PRECISION ER COLLET SETS: DIN6499B

Ultra Precision ER16 Collets - SET - Inch

Part No.	Description
BRT-1051610I	ER16 Collet Set 10 pc. (1/32"-3/8")

All Sets in a Plastic Case. (not exactly as pictured)

\$161.56

Ultra Precision ER16 Collets - SET - Metric

Part No.	Description
BRT-1051610	ER16 Collet Set 10 pc. (1-10)

All Sets in an Aluminum Case. (not exactly as pictured)

\$147.98

STEEL SEALED ER16 COLLET SET: DIN6499

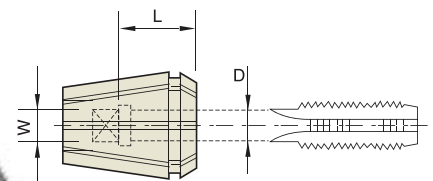
Part No.	Description
BRT-SS51608S	ER16SS Steel Sealed Collet Set (3-10) 8 pc.

All Sets in an Aluminum Case. (not exactly as pictured)

\$426.29

ER16 Tap Collets (ANSI)

\$40.60



TAP	Part No.	Inch	Metric	D(φ)	W(□)	L
	BRT-TC516411	#6	M3	0.141	0.110	0.709
	BRT-TC516613	#8	M4	0.168	0.131	0.709
	BRT-TC516915	#10	M4.5+M5	0.194	0.152	0.709
	BRT-TC516216	#12	-	0.220	0.165	0.709
	BRT-TC516519	1/4	M6	0.255	0.191	0.709
	BRT-TC516123	5/16	M7+M8	0.318	0.238	0.709
	BRT-TC516224	7/16	-	0.323	0.242	0.709
PIPE TAP	BRT-TCP16123	1/8"SS	-	0.312	0.234	0.709
	BRT-TCP16332	1/8"LS	-	0.437	0.328	0.709



ER20 COLLETS

PRECISION TOOLS



\$18.97

Ultra Precision Standard ER20 Collets

Part No.	Description	Holding Capacity			
		Metric		Inch	
BRT-105201.5	ER20 Collet-15	1.0	1.5	0.039	0.059
BRT-105202.0	ER20 Collet-20	1.5	2.0	0.059	0.079
BRT-105202.4	ER20 Collet-24	3/32"		0.074	0.094
BRT-105203.0	ER20 Collet-30	2.0	3.0	0.079	0.118
BRT-105203.2	ER20 Collet-32	1/8"		0.087	0.125
BRT-105204.0	ER20 Collet-40	3.0	4.0	0.118	0.157
BRT-105204.8	ER20 Collet-48	3/16"		0.150	0.188
BRT-105205.0	ER20 Collet-50	4.0	5.0	0.157	0.197
BRT-105206.0	ER20 Collet-60	5.0	6.0	0.197	0.236
BRT-105206.4	ER20 Collet-64	1/4"		0.213	0.250
BRT-105207.0	ER20 Collet-70	6.0	7.0	0.236	0.276
BRT-105208.0	ER20 Collet-80	7.0	8.0	0.276	0.315
BRT-105209.0	ER20 Collet-90	8.0	9.0	0.315	0.354
BRT-105209.5	ER20 Collet-95	3/8"		0.335	0.375
BRT-105210.0	ER20 Collet-100	9.0	10.0	0.354	0.394
BRT-105211.0	ER20 Collet-110	10.0	11.0	0.394	0.433
BRT-105212.0	ER20 Collet-120	11.0	12.0	0.433	0.472
BRT-10520127	ER20 Collet-127	1/2"		0.461	0.500
BRT-1052013.	ER20 Collet-130	12.0	13.0	0.472	0.512



\$48.74

Steel Sealed ER20 Collets

Part No.	Description	Holding Capacity			
		Metric		Inch	
BRT-SS5203.0	ER20SS Collet-30	2.0	3.0	0.079	0.118
BRT-SS5203.2	ER20SS Collet-32	1/8"		0.087	0.125
BRT-SS5204.0	ER20SS Collet-40	3.0	4.0	0.118	0.157
BRT-SS5204.8	ER20SS Collet-48	3/16"		0.150	0.188
BRT-SS5205.0	ER20SS Collet-50	4.0	5.0	0.157	0.197
BRT-SS5206.0	ER20SS Collet-60	5.0	6.0	0.197	0.236
BRT-SS5206.4	ER20SS Collet-64	1/4"		0.213	0.250
BRT-SS5207.0	ER20SS Collet-70	6.0	7.0	0.236	0.276
BRT-SS5208.0	ER20SS Collet-80	7.0	8.0	0.276	0.315
BRT-SS5209.0	ER20SS Collet-90	8.0	9.0	0.315	0.354
BRT-SS5209.5	ER20SS Collet-95	3/8"		0.335	0.375
BRT-SS5210.0	ER20SS Collet-100	9.0	10.0	0.354	0.394
BRT-SS5211.0	ER20SS Collet-110	10.0	11.0	0.394	0.433
BRT-SS5212.0	ER20SS Collet-120	11.0	12.0	0.433	0.472
BRT-SS520127	ER20SS Collet-127	1/2"		0.461	0.500
BRT-SS52013.	ER20SS Collet-130	12.0	13.0	0.472	0.512

SETS

ULTRA PRECISION ER COLLET SETS: DIN6499B

Ultra Precision ER20 Collets - SET - Inch

Part No.	Description
BRT-1052012I	ER20 Collet Set 12 pc. (1/16"-1/2")

All Sets in a Plastic Case. (not exactly as pictured)

\$188.71

Ultra Precision ER20 Collets - SET - Metric

Part No.	Description
BRT-1052012	ER20 Collet Set 12 pc. (2-13)

All Sets in an Aluminum Case. (not exactly as pictured)

\$175.13

STEEL SEALED ER20 COLLET SET: DIN6499

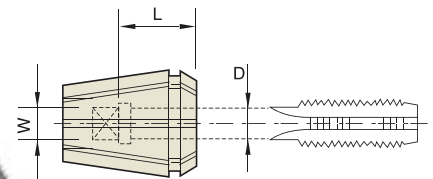
Part No.	Description
BRT-SS52011S	ER20SS Steel Sealed Collet Set (3-13) 11 pc.

All Sets in an Aluminum Case. (not exactly as pictured)

\$446.66

ER20 Tap Collets (ANSI)

\$40.60



TAP	Part No.	Inch	Metric	D(φ)	W(□)	L
	BRT-TC520411	#6	M3	0.141	0.110	0.709
	BRT-TC520613	#8	M4	0.168	0.131	0.709
	BRT-TC520915	#10	M4.5+M5	0.194	0.152	0.709
	BRT-TC520216	#12	-	0.220	0.165	0.709
	BRT-TC520519	1/4	M6	0.255	0.191	0.709
	BRT-TC520123	5/16	M7+M8	0.318	0.238	0.866
	BRT-TC520622	3/8	M10	0.381	0.286	0.866
	BRT-TC520224	7/16	-	0.323	0.242	0.866
	BRT-TC520828	1/2	M12	0.367	0.275	0.866
PIPE TAP	BRT-TCP20123	1/8"SS	-	0.312	0.234	0.787
	BRT-TCP20332	1/8"LS	-	0.437	0.328	0.787



ER25 COLLETS



\$19.78

Ultra Precision Standard ER25 Collets

Part No.	Description	Holding Capacity			
		Metric		Inch	
BRT-105251.0	ER25 Collet-10	0.5	1.0	0.020	0.039
BRT-105251.5	ER25 Collet-15	1.0	1.5	0.039	0.059
BRT-105252.0	ER25 Collet-20	1.5	2.0	0.059	0.079
BRT-105252.4	ER25 Collet-24	3/32"		0.075	0.094
BRT-105253.0	ER25 Collet-30	2.0	3.0	0.079	0.118
BRT-105253.2	ER25 Collet-32	1/8"		0.086	0.125
BRT-105254.0	ER25 Collet-40	3.0	4.0	0.118	0.157
BRT-105254.8	ER25 Collet-48	3/16"		0.148	0.188
BRT-105255.0	ER25 Collet-50	4.0	5.0	0.157	0.197
BRT-105256.0	ER25 Collet-60	5.0	6.0	0.197	0.236
BRT-105256.4	ER25 Collet-64	1/4"		0.211	0.250
BRT-105257.0	ER25 Collet-70	6.0	7.0	0.236	0.276
BRT-105258.0	ER25 Collet-80	7.0	8.0	0.276	0.315
BRT-105259.0	ER25 Collet-90	8.0	9.0	0.315	0.354
BRT-105259.5	ER25 Collet-95	3/8"		0.336	0.375
BRT-1052510.	ER25 Collet-100	9.0	10.0	0.354	0.394
BRT-1052511.	ER25 Collet-110	10.0	11.0	0.394	0.433
BRT-1052512.	ER25 Collet-120	11.0	12.0	0.433	0.472
BRT-10525127	ER25 Collet-127	1/2"		0.461	0.500
BRT-1052513.	ER25 Collet-130	12.0	13.0	0.472	0.512
BRT-1052514.	ER25 Collet-140	13.0	14.0	0.512	0.551
BRT-1052515.	ER25 Collet-150	14.0	15.0	0.551	0.591
BRT-1052515.9	ER25 Collet-159	5/8"		0.586	0.625
BRT-1052516.	ER25 Collet-160	15.0	16.0	0.591	0.630



\$51.18

Steel Sealed ER25 Collets

Part No.	Description	Holding Capacity			
		Metric		Inch	
BRT-SS5253.0	ER25SS Collet-30	2.0	3.0	0.079	0.118
BRT-SS5253.2	ER25SS Collet-32	1/8"		0.086	0.125
BRT-SS5254.0	ER25SS Collet-40	3.0	4.0	0.118	0.157
BRT-SS5254.8	ER25SS Collet-48	3/16"		0.148	0.188
BRT-SS5255.0	ER25SS Collet-50	4.0	5.0	0.157	0.197
BRT-SS5256.0	ER25SS Collet-60	5.0	6.0	0.197	0.236
BRT-SS5256.4	ER25SS Collet-64	1/4"		0.211	0.250
BRT-SS5257.0	ER25SS Collet-70	6.0	7.0	0.236	0.276
BRT-SS5258.0	ER25SS Collet-80	7.0	8.0	0.276	0.315
BRT-SS5259.0	ER25SS Collet-90	8.0	9.0	0.315	0.354
BRT-SS5259.5	ER25SS Collet-95	3/8"		0.336	0.375
BRT-SS52510.	ER25SS Collet-100	9.0	10.0	0.354	0.394
BRT-SS52511.	ER25SS Collet-110	10.0	11.0	0.394	0.433
BRT-SS52512.	ER25SS Collet-120	11.0	12.0	0.433	0.472
BRT-SS525127	ER25SS Collet-127	1/2"		0.461	0.500
BRT-SS52513.	ER25SS Collet-130	12.0	13.0	0.472	0.512
BRT-SS52514.	ER25SS Collet-140	13.0	14.0	0.512	0.551
BRT-SS52515.	ER25SS Collet-150	14.0	15.0	0.551	0.591
BRT-SS52515.9	ER25SS Collet-159	5/8"		0.586	0.625
BRT-SS52516.	ER25SS Collet-160	15.0	16.0	0.591	0.630

SETS

ULTRA PRECISION ER COLLET SETS: DIN6499B

Ultra Precision ER25 Collets - SET - Inch

Part No.	Description
BRT-10525151	ER25 Collet Set 15 pc. (1/16"-5/8")

All Sets in a Plastic Case. (not exactly as pictured)

\$215.86

Ultra Precision ER25 Collets - SET - Metric

Part No.	Description
BRT-1052515	ER25 Collet Set 15 pc. (2-16)

All Sets in an Aluminum Case. (not exactly as pictured)

\$202.29

STEEL SEALED ER25 COLLET SET: DIN6499

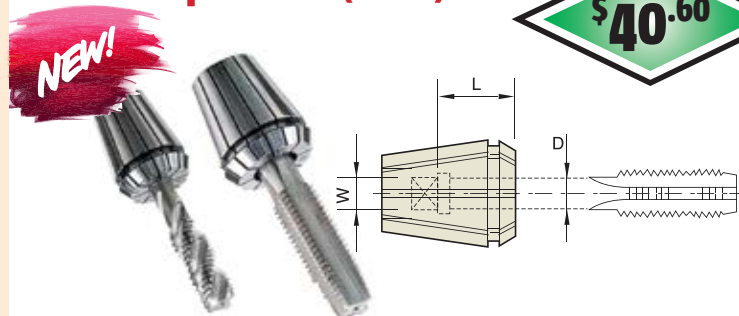
Part No.	Description
BRT-SS52514S	ER25SS Steel Sealed Collet Set (3-16) 14 pc.

All Sets in an Aluminum Case. (not exactly as pictured)

\$745.33

ER25 Tap Collets (ANSI)

\$40.60



TAP	Part No.	Inch	Metric	D(Φ)	W(□)	L
	BRT-TC525411	#6	M3	0.141	0.110	0.709
	BRT-TC525613	#8	M4	0.168	0.131	0.709
	BRT-TC525915	#10	M4.5+M5	0.194	0.152	0.709
	BRT-TC525216	#12	-	0.220	0.165	0.709
	BRT-TC525519	1/4	M6	0.255	0.191	0.709
	BRT-TC525123	5/16	M7+M8	0.318	0.238	0.866
	BRT-TC525622	3/8	M10	0.381	0.286	0.866
	BRT-TC525224	7/16	-	0.323	0.242	0.866
	BRT-TC525828	1/2	M12	0.367	0.275	0.866
	BRT-TC525232	9/16	M14	0.429	0.322	0.984
	BRT-TC525836	5/8	M16	0.480	0.360	0.984
	BRT-TC525440	11/16	M18	0.542	0.406	0.984
	BRT-TC525944	3/4	-	0.590	0.442	0.984
PIPE TAP	BRT-TCP25123	1/8"SS	-	0.312	0.234	0.787
	BRT-TCP25332	1/8"LS	-	0.437	0.328	0.787
	BRT-TCP25642	1/4"	-	0.562	0.420	0.787



ER32 COLLETS

PRECISION TOOLS



\$20.99

Ultra Precision Standard ER32 Collets

Holding Capacity

Part No.	Description	Metric	Inch
BRT-105322.0	ER32 Collet-20	1.5	0.059
BRT-105322.4	ER32 Collet-24	3/32"	0.075
BRT-105323.0	ER32 Collet-30	2.0	0.079
BRT-105323.2	ER32 Collet-32	1/8"	0.125
BRT-105324.0	ER32 Collet-40	3.0	0.118
BRT-105324.8	ER32 Collet-48	3/16"	0.188
BRT-105325.0	ER32 Collet-50	4.0	0.157
BRT-105326.0	ER32 Collet-60	5.0	0.197
BRT-105326.4	ER32 Collet-64	1/4"	0.250
BRT-105327.0	ER32 Collet-70	6.0	0.236
BRT-105328.0	ER32 Collet-80	7.0	0.276
BRT-105329.0	ER32 Collet-90	8.0	0.315
BRT-105329.5	ER32 Collet-95	3/8"	0.375
BRT-1053210.	ER32 Collet-100	9.0	0.354
BRT-1053211.	ER32 Collet-110	10.0	0.394
BRT-1053212.	ER32 Collet-120	11.0	0.433
BRT-10532127	ER32 Collet-127	1/2"	0.500
BRT-1053213.	ER32 Collet-130	12.0	0.472
BRT-1053214.	ER32 Collet-140	13.0	0.512
BRT-1053215.	ER32 Collet-150	14.0	0.551
BRT-10532159	ER32 Collet-159	5/8"	0.625
BRT-1053216.	ER32 Collet-160	15.0	0.591
BRT-1053217.	ER32 Collet-170	16.0	0.630
BRT-1053218.	ER32 Collet-180	17.0	0.669
BRT-1053219.	ER32 Collet-190	18.0	0.709
BRT-10532191	ER32 Collet-191	3/4"	0.750
BRT-1053220.	ER32 Collet-200	19.0	0.787



\$52.95

Steel Sealed ER32 Collets

Holding Capacity

Part No.	Description	Metric	Inch
BRT-SS5323.0	ER32SS Collet-30	2.0	0.079
BRT-SS5323.2	ER32SS Collet-32	1/8"	0.125
BRT-SS5324.0	ER32SS Collet-40	3.0	0.118
BRT-SS5324.8	ER32SS Collet-48	3/16"	0.188
BRT-SS5325.0	ER32SS Collet-50	4.0	0.157
BRT-SS5326.0	ER32SS Collet-60	5.0	0.197
BRT-SS5326.4	ER32SS Collet-64	1/4"	0.250
BRT-SS5327.0	ER32SS Collet-70	6.0	0.236
BRT-SS5328.0	ER32SS Collet-80	7.0	0.276
BRT-SS5329.0	ER32SS Collet-90	8.0	0.315
BRT-SS5329.5	ER32SS Collet-95	3/8"	0.375
BRT-SS53210.	ER32SS Collet-100	9.0	0.354
BRT-SS53211.	ER32SS Collet-110	10.0	0.394
BRT-SS53212.	ER32SS Collet-120	11.0	0.433
BRT-SS532127	ER32SS Collet-127	1/2"	0.500
BRT-SS53213.	ER32SS Collet-130	12.0	0.472
BRT-SS53214.	ER32SS Collet-140	13.0	0.512
BRT-SS53215.	ER32SS Collet-150	14.0	0.551
BRT-SS532159	ER32SS Collet-159	5/8"	0.625
BRT-SS53216.	ER32SS Collet-160	15.0	0.591
BRT-SS53217.	ER32SS Collet-170	16.0	0.630
BRT-SS53218.	ER32SS Collet-180	17.0	0.669
BRT-SS53219.	ER32SS Collet-190	18.0	0.709
BRT-SS532191	ER32SS Collet-191	3/4"	0.750
BRT-SS53220.	ER32SS Collet-200	19.0	0.787

SETS

ULTRA PRECISION ER COLLET SETS: DIN6499B

Ultra Precision ER32 Collets - SET - Inch

Part No.	Description
BRT-10532181	ER32 Collet Set 18 pc. (1/8"-3/4")

All Sets in a Plastic Case. (not exactly as pictured)

\$310.90

Ultra Precision ER32 Collets - SET - Metric

Part No.	Description
BRT-1053218	ER32 Collet Set 18 pc. (3-20)

All Sets in an Aluminum Case. (not exactly as pictured)

\$290.53

STEEL SEALED ER32 COLLET SET: DIN6499

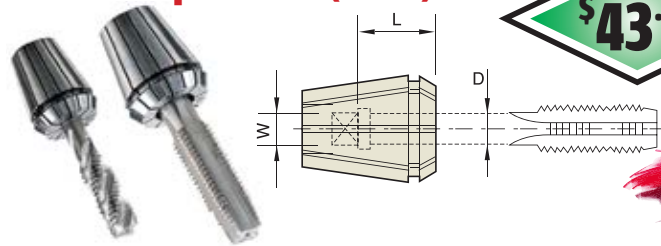
Part No.	Description
BRT-SS53218S	ER32SS Steel Sealed Collet Set (3-20) 18 pc.

All Sets in an Aluminum Case. (not exactly as pictured)

\$935.40

ER32 Tap Collets (ANSI)

\$43.72



NEW!

TAP	Part No.	Inch	Metric	D(Φ)	W(□)	L
	BRT-TC532411	#6	M3	0.141	0.110	0.709
	BRT-TC532613	#8	M4	0.168	0.131	0.709
	BRT-TC532915	#10	M4.5+M5	0.194	0.152	0.709
	BRT-TC532216	#12	-	0.220	0.165	0.709
	BRT-TC532519	1/4	M6	0.255	0.191	0.709
	BRT-TC532123	5/16	M7+M8	0.318	0.238	0.866
	BRT-TC532627	3/8	M10	0.381	0.286	0.866
	BRT-TC532224	7/16	-	0.323	0.242	0.866
	BRT-TC532828	1/2	M12	0.367	0.275	0.866
	BRT-TC532232	9/16	M14	0.429	0.322	0.984
	BRT-TC532836	5/8	M16	0.480	0.360	0.984
	BRT-TC532440	11/16	M18	0.542	0.406	0.984
	BRT-TC532944	3/4	-	0.590	0.442	0.984
	BRT-TC532548	13/16	M20	0.652	0.489	0.984
PIPE TAP	BRT-TCP32123	1/8"SS	-	0.312	0.234	0.787
	BRT-TCP32332	1/8"LS	-	0.437	0.328	0.787
	BRT-TCP32642	1/4"	-	0.562	0.420	0.787

SET BRT-TC532171 (ALL OF THE ABOVE) \$597.30



ER40 COLLETS



\$28.91

Ultra Precision Standard ER40 Collets

Holding Capacity

Part No.	Description	Metric	Inch
BRT-105403.0	ER40 Collet-30	2.0 3.0	0.079 0.118
BRT-105403.2	ER40 Collet-32	1/8"	0.087 0.125
BRT-105404.0	ER40 Collet-40	3.0 4.0	0.118 0.157
BRT-105404.8	ER40 Collet-48	3/16"	0.150 0.188
BRT-105405.0	ER40 Collet-50	4.0 5.0	0.157 0.197
BRT-105406.0	ER40 Collet-60	5.0 6.0	0.197 0.236
BRT-105406.4	ER40 Collet-64	1/4"	0.213 0.250
BRT-105407.0	ER40 Collet-70	6.0 7.0	0.236 0.276
BRT-105408.0	ER40 Collet-80	7.0 8.0	0.276 0.315
BRT-105409.0	ER40 Collet-90	8.0 9.0	0.315 0.354
BRT-105409.5	ER40 Collet-95	3/8"	0.335 0.375
BRT-1054010.0	ER40 Collet-100	9.0 10.0	0.354 0.394
BRT-1054011.0	ER40 Collet-110	10.0 11.0	0.394 0.433
BRT-1054012.0	ER40 Collet-120	11.0 12.0	0.433 0.472
BRT-10540127	ER40 Collet-127	1/2"	0.461 0.500
BRT-1054013.0	ER40 Collet-130	12.0 13.0	0.472 0.512
BRT-1054014.0	ER40 Collet-140	13.0 14.0	0.512 0.551
BRT-1054015.0	ER40 Collet-150	14.0 15.0	0.551 0.591
BRT-10540159	ER40 Collet-159	5/8"	0.587 0.625
BRT-1054016.0	ER40 Collet-160	15.0 16.0	0.591 0.630
BRT-1054017.0	ER40 Collet-170	16.0 17.0	0.630 0.669
BRT-1054018.0	ER40 Collet-180	17.0 18.0	0.669 0.709
BRT-1054019.0	ER40 Collet-190	18.0 19.0	0.709 0.748
BRT-10540191	ER40 Collet-191	3/4"	0.713 0.750
BRT-1054020.0	ER40 Collet-200	19.0 20.0	0.748 0.787
BRT-1054021.0	ER40 Collet-210	20.0 21.0	0.787 0.827
BRT-1054022.0	ER40 Collet-220	21.0 22.0	0.827 0.866
BRT-10540222	ER40 Collet-222	7/8"	0.835 0.875
BRT-1054023.0	ER40 Collet-230	22.0 23.0	0.866 0.906
BRT-1054024.0	ER40 Collet-240	23.0 24.0	0.906 0.945
BRT-1054025.0	ER40 Collet-250	24.0 25.0	0.945 0.984
BRT-10540254	ER40 Collet-254	1"	0.961 1.000
BRT-1054026.0	ER40 Collet-260	25.0 26.0	0.984 1.024



\$60.82

Steel Sealed ER40 Collets

Holding Capacity

Part No.	Description	Metric	Inch
BRT-SS5403.0	ER40SS Collet-30	2.0 3.0	0.079 0.118
BRT-SS5403.2	ER40SS Collet-32	1/8"	0.087 0.125
BRT-SS5404.0	ER40SS Collet-40	3.0 4.0	0.118 0.157
BRT-SS5404.8	ER40SS Collet-48	3/16"	0.150 0.188
BRT-SS5405.0	ER40SS Collet-50	4.0 5.0	0.157 0.197
BRT-SS5406.0	ER40SS Collet-60	5.0 6.0	0.197 0.236
BRT-SS5406.4	ER40SS Collet-64	1/4"	0.213 0.250
BRT-SS5407.0	ER40SS Collet-70	6.0 7.0	0.236 0.276
BRT-SS5408.0	ER40SS Collet-80	7.0 8.0	0.276 0.315
BRT-SS5409.0	ER40SS Collet-90	8.0 9.0	0.315 0.354
BRT-SS5409.5	ER40SS Collet-95	3/8"	0.335 0.375
BRT-SS54010.0	ER40SS Collet-100	9.0 10.0	0.354 0.394
BRT-SS54011.0	ER40SS Collet-110	10.0 11.0	0.394 0.433
BRT-SS54012.0	ER40SS Collet-120	11.0 12.0	0.433 0.472
BRT-SS540127	ER40SS Collet-127	1/2"	0.461 0.500
BRT-SS54013.0	ER40SS Collet-130	12.0 13.0	0.472 0.512
BRT-SS54014.0	ER40SS Collet-140	13.0 14.0	0.512 0.551
BRT-SS54015.0	ER40SS Collet-150	14.0 15.0	0.551 0.591
BRT-SS540159	ER40SS Collet-159	5/8"	0.587 0.625
BRT-SS54016.0	ER40SS Collet-160	15.0 16.0	0.591 0.630
BRT-SS54017.0	ER40SS Collet-170	16.0 17.0	0.630 0.669
BRT-SS54018.0	ER40SS Collet-180	17.0 18.0	0.669 0.709
BRT-SS54019.0	ER40SS Collet-190	18.0 19.0	0.709 0.748
BRT-SS540191	ER40SS Collet-191	3/4"	0.713 0.750
BRT-SS54020.0	ER40SS Collet-200	19.0 20.0	0.748 0.787
BRT-SS54021.0	ER40SS Collet-210	20.0 21.0	0.787 0.827
BRT-SS54022.0	ER40SS Collet-220	21.0 22.0	0.827 0.866
BRT-SS540222	ER40SS Collet-222	7/8"	0.835 0.875
BRT-SS54023.0	ER40SS Collet-230	22.0 23.0	0.866 0.906
BRT-SS54024.0	ER40SS Collet-240	23.0 24.0	0.906 0.945
BRT-SS54025.0	ER40SS Collet-250	24.0 25.0	0.945 0.984
BRT-SS540254	ER40SS Collet-254	1"	0.961 1.000
BRT-SS54026.0	ER40SS Collet-260	25.0 26.0	0.984 1.024

SETS

ULTRA PRECISION ER COLLET SETS: DIN6499B

Ultra Precision ER40 Collets - SET - Inch

Part No.	Description
BRT-1054024I	ER40 Collet Set 24 pc. (1/8"-1")

All Sets in a Plastic Case. (not exactly as pictured)

\$405.93

Ultra Precision ER40 Collets - SET - Metric

Part No.	Description
BRT-1054023	ER40 Collet Set 23 pc. (4-26)

All Sets in an Aluminum Case. (not exactly as pictured)

\$392.35

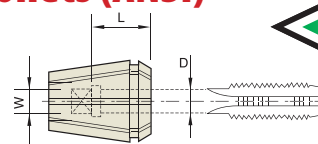
STEEL SEALED ER40 COLLET SET: DIN6499

Part No.	Description
BRT-SS54023S	ER40SS Steel Sealed Collet Set (4-26) 23 pc.

All Sets in an Aluminum Case. (not exactly as pictured)

\$1502.89

ER40 Tap Collets (ANSI)



\$56.89

NEW!

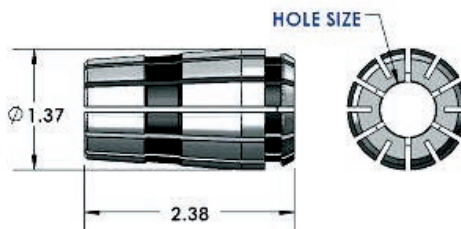
TAP	Part No.	Inch	Metric	D(φ)	W(□)	L
	BRT-TC540411	#6	M3	0.141	0.110	0.709
	BRT-TC540613	#8	M4	0.168	0.131	0.709
	BRT-TC540915	#10	M4.5+M5	0.194	0.152	0.709
	BRT-TC540216	#12	-	0.220	0.165	0.709
	BRT-TC540519	1/4	M6	0.255	0.191	0.709
	BRT-TC540123	5/16	M7+M8	0.318	0.238	0.866
	BRT-TC540627	3/8	M10	0.381	0.286	0.866
	BRT-TC540224	7/16	-	0.323	0.242	0.866
	BRT-TC540828	1/2	M12	0.367	0.275	0.866
	BRT-TC540232	9/16	M14	0.429	0.322	0.984
	BRT-TC540836	5/8	M16	0.480	0.360	0.984
	BRT-TC540440	11/16	M18	0.542	0.406	0.984
	BRT-TC540944	3/4	-	0.590	0.442	0.984
	BRT-TC540548	13/16	M20	0.652	0.489	0.984
	BRT-TC540952	7/8	M22	0.697	0.523	0.984
	BRT-TC540657	15/16	M24	0.760	0.570	0.984
	BRT-TC540060	1	M25	0.800	0.600	1.102
PIPE TAP	BRT-TCP40123	1/8"SS	-	0.312	0.234	0.787
	BRT-TCP40332	1/8"LS	-	0.437	0.328	0.787
	BRT-TCP40642	1/4"	-	0.562	0.420	0.787
	BRT-TCP40053	3/8"	-	0.700	0.530	0.866
	BRT-TCP40851	1/2"	-	0.687	0.515	0.866
	BRT-TCP40067	3/4"	-	0.906	0.679	0.945



TG100 Collets

PRECISION TOOLS

- .0004" T.I.R.
- Precision Ground
- All hardened parts
- Clamping Range: 1/64"



\$37.26

Part No.

Shank (Hole)

BRT-TG549902	1/32"
BRT-TG549903	3/64"
BRT-TG549904	1/16"
BRT-TG549905	5/64"
BRT-TG549906	3/32"
BRT-TG549907	7/64"
BRT-TG549908	1/8"
BRT-TG549909	9/64"
BRT-TG549910	5/32"
BRT-TG549911	11/64"
BRT-TG549912	3/16"
BRT-TG549913	13/64"
BRT-TG549914	7/32"
BRT-TG549915	15/64"
BRT-TG549916	1/4"
BRT-TG549917	17/64"
BRT-TG549918	9/32"
BRT-TG549919	19/64"
BRT-TG549920	5/16"
BRT-TG549921	21/64"
BRT-TG549922	11/32"
BRT-TG549923	23/64"
BRT-TG549924	3/8"
BRT-TG549925	25/64"
BRT-TG549926	13/32"
BRT-TG549927	27/64"
BRT-TG549928	7/16"
BRT-TG549929	29/64"
BRT-TG549930	15/32"
BRT-TG549931	31/64"
BRT-TG549932	1/2"
BRT-TG549933	33/64"

Part No.

Shank (Hole)

BRT-TG549934	17/32"
BRT-TG549935	35/64"
BRT-TG549936	9/16"
BRT-TG549937	37/64"
BRT-TG549938	19/32"
BRT-TG549939	39/64"
BRT-TG549940	5/8"
BRT-TG549941	41/64"
BRT-TG549942	21/32"
BRT-TG549943	43/64"
BRT-TG549944	11/16"
BRT-TG549945	45/64"
BRT-TG549946	23/32"
BRT-TG549947	47/64"
BRT-TG549948	3/4"
BRT-TG549949	49/64"
BRT-TG549950	25/32"
BRT-TG549951	51/64"
BRT-TG549952	13/16"
BRT-TG549953	53/64"
BRT-TG549954	27/32"
BRT-TG549955	55/64"
BRT-TG549956	7/8"
BRT-TG549957	57/64"
BRT-TG549958	29/32"
BRT-TG549959	59/64"
BRT-TG549960	15/16"
BRT-TG549961	61/64"
BRT-TG549962	31/32"
BRT-TG549963	63/64"
BRT-TG549964	1"

For CAT40 & CAT50 Collet Chucks - see pages 24 and 26

TG100 Collet - SET



Part No.

BRT-TG1015SE

Description

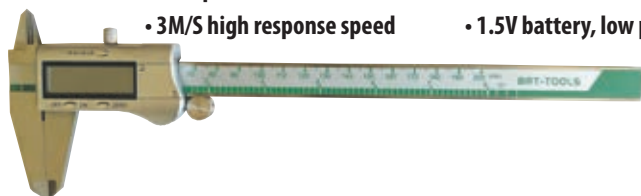
15 pc. (1/8" - 1 x 1/16")
(Case Included)

\$581.87



IP54 Metal case DIGITAL CALIPER

- IP54 protection
- DIN862 Standard hardened stainless steel structure
- 3M/S high response speed
- 1.5V battery, low power consumption



PRECISION TOOLS

BRT-MI32731

- 0-200mm / 0-8"
- 0.01mm / 0.0005" Reg
- +/- 0.03mm / +/- 0.0015"

\$86.90



BRT PULL STUDS

• Material is 20CrNiMo Certified • Finish is 32 Micro or better • Tolerance exceeds Industry Standards • Hardened for maximum longevity

BRT PART NO.	COOLANT THROUGH	TJD NO.	PARLEC NO.	STM	PRICE (ea.)
CAT 40					
BRT-C400001	Yes	PSC-532X45	4009TRKC	366-058	\$23.77
BRT-C400002	Yes	PSC-474	-	366-038	22.20
BRT-C400003	Yes	PSC-475	40TRK	366-040	20.37
BRT-C400004	No	PS-532X45	4009TRK	366-050	21.84
BRT-C400005	Yes	PSC-572X15	-	-	23.77
BRT-C400006	Yes	PSC-470X15	4030TRK	366-034	22.20
BRT-C400007	No	PS-475	40NTRK	366-042	22.20
BRT-C400008	No	PS-532X60	4014TRK	366-052	22.20
BRT-C400009	Yes	PSC-532X60	4014TRKC	366-060	22.20
CAT 50					
BRT-C500001	Yes	PSC-270X15	-	-	\$33.85
BRT-C500002	Yes	PSC-536X45	5005TRKC	366-104	33.85
BRT-C500003	No	PS-536X60	5014TRK	366-100	33.85
BRT-C500004	Yes	PSC-271X15	-	-	33.85
BRT-C500005	Yes	PSC-273	-	-	33.85
BRT-C500006	Yes	PSC-274	M50TRK	366-094	33.85
BRT-C500007	Yes	PSC-275	50TRK	366-096	33.85
BRT-C500008	Yes	PSC-536X60	5014TRKC	366-106	33.85
BT 30					
BRT-B300001	Yes	PSC-585X45	-	-	\$24.15
BRT-B300002	No	PS-585X45	3003TRK	366-000	22.92
BT 40					
BRT-B400001	Yes	PSC-444X15	P329-15	-	\$24.15
BRT-B400002	Yes	PSC-444X45	4003TRKC	366-012	24.15



All RETENTION KNOBS are Available - Please advise Make & Model of Machine, Taper Style & Size and Coolant Hole



ANNULAR CUTTERS

PRECISION TOOLS



1" Cut Depth

- HIGH TUNGSTEN HSS
- WELDON SHANK

Pins:

BRT-ACP13710 - PIN for 7/16" x 1"

\$5.57 ea.

BRT-ACP00902 - PIN for 1/2" & Larger x 1"

5.57 ea.



Part No.	Cutter Diameter	Qty.	Price	Part No.	Cutter Diameter	Qty.	Price
BRT-AC16311	7/16	1	\$30.17	BRT-AC16471	1-7/16	1	\$87.98
BRT-AC16321	1/2	1	30.17	BRT-AC16481	1-1/2	1	90.15
BRT-AC16331	9/16	1	34.36	BRT-AC16491	1-9/16	1	95.23
BRT-AC16341	5/8	1	38.18	BRT-AC16501	1-5/8	1	99.42
BRT-AC16351	11/16	1	38.18	BRT-AC16511	1-11/16	1	112.63
BRT-AC16361	3/4	1	41.23	BRT-AC16521	1-3/4	1	121.14
BRT-AC16371	13/16	1	45.68	BRT-AC16531	1-13/16	1	129.91
BRT-AC16381	7/8	1	51.14	BRT-AC16541	1-7/8	1	137.16
BRT-AC16391	15/16	1	55.20	BRT-AC16551	1-15/16	1	140.97
BRT-AC16401	1 INCH	1	55.20	BRT-AC16561	2 INCH	1	153.92
BRT-AC16411	1-1/16	1	62.45	BRT-AC16571	2-1/16	1	157.86
BRT-AC16421	1-1/8	1	65.36	BRT-AC16581	2-1/8	1	166.24
BRT-AC16431	1-3/16	1	66.64	BRT-AC16591	2-3/16	1	177.05
BRT-AC16441	1-1/4	1	73.37	BRT-AC16601	2-1/4	1	181.24
BRT-AC16451	1-5/16	1	76.18	BRT-AC16611	2-5/16	1	190.00
BRT-AC16461	1-3/8	1	80.99	BRT-AC16621	2-3/8	1	194.95

2" Cut Depth

- HIGH TUNGSTEN HSS
- WELDON SHANK

Pins:

BRT-ACP13720 - PIN for 7/16" x 2"

\$6.20 ea.

BRT-ACP00903 - PIN for 1/2" & Larger x 2"

6.20 ea.

Part No.	Cutter Diameter	Qty.	Price	Part No.	Cutter Diameter	Qty.	Price
BRT-AC16312	7/16	1	\$40.21	BRT-AC16472	1-7/16	1	\$114.66
BRT-AC16322	1/2	1	40.21	BRT-AC16482	1-1/2	1	118.72
BRT-AC16332	9/16	1	43.26	BRT-AC16492	1-9/16	1	129.02
BRT-AC16342	5/8	1	47.07	BRT-AC16502	1-5/8	1	134.10
BRT-AC16352	11/16	1	47.07	BRT-AC16512	1-11/16	1	142.24
BRT-AC16362	3/4	1	50.25	BRT-AC16522	1-3/4	1	146.42
BRT-AC16372	13/16	1	56.61	BRT-AC16532	1-13/16	1	158.75
BRT-AC16382	7/8	1	61.44	BRT-AC16542	1-7/8	1	179.20
BRT-AC16392	15/16	1	69.69	BRT-AC16552	1-15/16	1	184.28
BRT-AC16402	1 INCH	1	69.69	BRT-AC16562	2 INCH	1	199.66
BRT-AC16412	1-1/16	1	74.77	BRT-AC16572	2-1/16	1	203.73
BRT-AC16422	1-1/8	1	81.88	BRT-AC16582	2-1/8	1	214.02
BRT-AC16432	1-3/16	1	84.93	BRT-AC16592	2-3/16	1	229.39
BRT-AC16442	1-1/4	1	90.15	BRT-AC16602	2-1/4	1	234.98
BRT-AC16452	1-5/16	1	94.22	BRT-AC16612	2-5/16	1	246.80
BRT-AC16462	1-3/8	1	103.48	BRT-AC16622	2-3/8	1	253.02

DISTRIBUTED BY:



Warehoused in Canada!



SMITH
industrial supply