

**BRT-C27**



# BRT-TOOLS

[eagleindustrial.ca](http://eagleindustrial.ca)



## RE-TOOL YOUR METAL SHOP



## FOR EVERYDAY MACHINING



**100%**  
**CANADIAN**  
owned & operated



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

## Scrapers

|                   |                                                                                   |                                                                                             |
|-------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| GT-D50<br>\$11.86 |  | HSS Hollow ground mini scraper 3.2 x 50mm. For very fine jobs. Used with D Holder EL0500GT. |
| GT-D55<br>\$17.05 |  | Solid carbide GT-D50                                                                        |
| GT-T60<br>\$14.70 |  | 7 x 60mm HSS triangular scraper used with T Holder EL0602GT                                 |
| GT-D66<br>\$7.69  |  | 3.2 x 50mm 45° H.S.S. internal scraper for cross holes. Used with D Holder EL0500GT.        |
| GT-D77<br>\$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.  | Price   |
|-----------|---------|
| GT-CR2200 | \$34.33 |

## HOLDTEC MagBases



- 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*

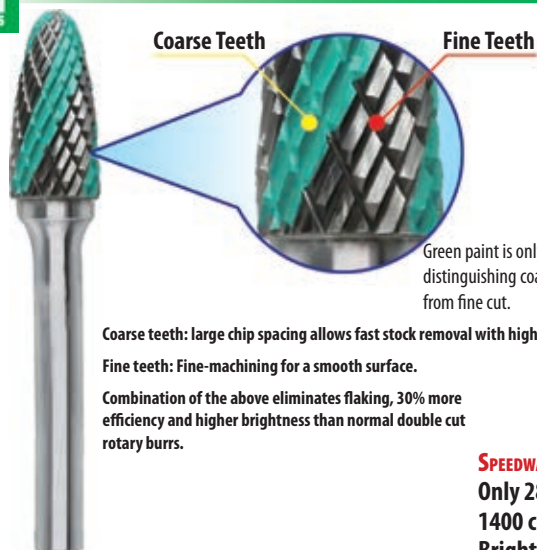
## Swivel Blades

|                                 |                                                                                      |                                                                                                         |
|---------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| <b>GT-B10</b><br><b>\$1.55</b>  |    | <b>HSS blade light duty for steel, aluminum &amp; plastic</b>                                           |
| GT-B10L<br><b>\$3.76</b>        |    | B10 for left handed user                                                                                |
| GT-B10S<br><b>\$2.32</b>        |    | Super hard B10 Cobalt (M35) Blade for stainless steel & plastics                                        |
| GT-B10TIN<br><b>\$3.13</b>      |    | B10 Tin coated for long life                                                                            |
| GT-B10C<br><b>\$7.23</b>        |    | Solid carbide B10 blade for hardened steel & plastic                                                    |
| GT-B20<br><b>\$1.55</b>         |    | HSS blade light duty for brass & cast iron. For both right & left hand users.                           |
| GT-B20C<br><b>\$7.79</b>        |    | Solid carbide B20 blade for hardened steel & hard plastics                                              |
| GT-B30<br><b>\$3.30</b>         |    | HSS blade removes internal & external burrs simultaneously from holes drilled into tubing & sheet metal |
| <b>GT-E100</b><br><b>\$2.32</b> |    | <b>HSS blade heavy duty for for steel, aluminum &amp; plastic</b>                                       |
| GT-E100L<br><b>\$2.19</b>       |    | E100 for left handed users                                                                              |
| GT-E100TIN<br><b>\$3.13</b>     |    | E100 Tin coated for longer life                                                                         |
| GT-E100C<br><b>\$10.93</b>      |    | Solid carbide E1000 blade for hardened steel & plastics                                                 |
| GT-E100S<br><b>\$2.73</b>       |    | Super hard E100 cobalt (M35) Blade for stainless steel & plastics                                       |
| GT-E101<br><b>\$2.69</b>        |    | H.S.S. blade with heavy duty shank & fine cutting edge for steel & aluminum                             |
| GT-E101L<br><b>\$4.30</b>       |   | E101 for left handed users                                                                              |
| GT-E101TIN<br><b>\$6.34</b>     |  | E101 Tin coated for long life                                                                           |
| GT-E150<br><b>\$2.32</b>        |  | HSS blade heavy duty shank for holes as small as 1.5 mm dia.                                            |
| GT-E200<br><b>\$2.32</b>        |  | HSS blade heavy duty for brass & cast iron. For both right & left handed users                          |
| GT-E200C<br><b>\$13.78</b>      |  | Solid carbide E200 blade for hardened materials & plastics                                              |
| GT-E202<br><b>\$2.32</b>        |  | HSS blade heavy duty shank. Fine cutting edge for brass & cast iron                                     |
| GT-E300<br><b>\$2.68</b>        |  | HSS blade removes internal & external burrs simultaneously from holes drilled into tubing & sheet metal |
| GT-E350<br><b>\$2.68</b>        |  | HSS blade. Heavy duty for straight lines                                                                |
| GT-E600<br><b>\$4.55</b>        |  | HSS blade. Heavy duty for cross holes in difficult to reach places                                      |
| GT-BC1000<br><b>\$9.59</b>      |  | Patented HSS blade. For deburring and cleaning internal threads above 9mm dia.                          |
| GT-B01000<br><b>\$14.29</b>     |  | 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-136265SW | \$34.70 |
| 1/4"           | 1/2"          | 1"         | SC-5L6    | 6"     | BRT-13628  | 38.06   | BRT-136285SW | 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   |

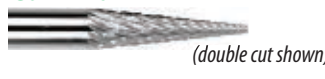
#### OVAL / EGG



(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



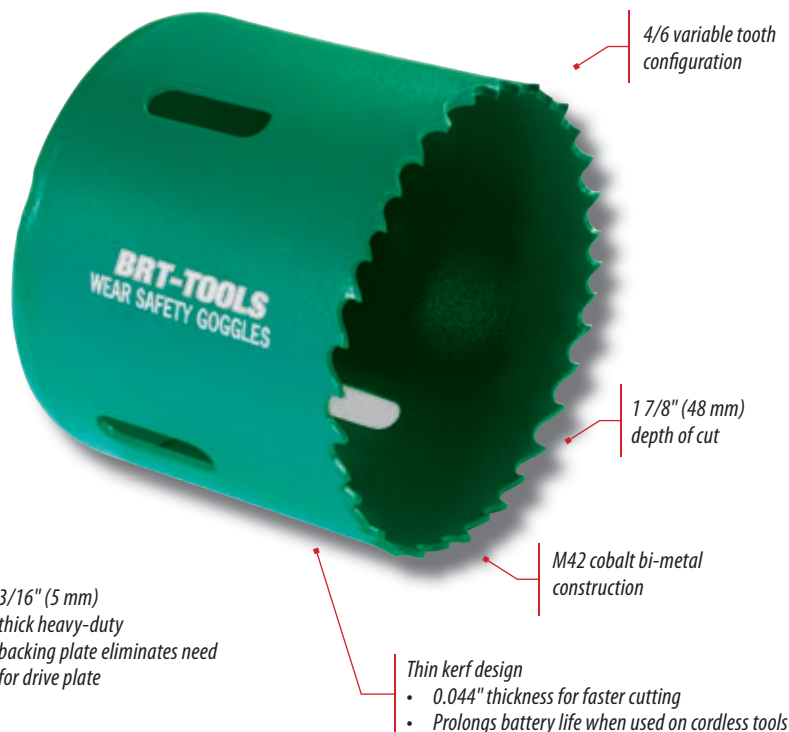
(double cut shown)

| 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"<br>3/8" Shank | A       | \$6.42 |
| BRT-63020007 | Arbor - 1-1/4" to 6"<br>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

| Part No.     | Fractional | Diameter<br>Decimal | Flute<br>Length | Overall<br>Length | Price  | Part No.     | Fractional | Diameter<br>Decimal | Flute<br>Length | Overall<br>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   |              |            |                     |                 |                   |       |

### LETTER

| Part No.     | Letter | Diameter<br>Decimal<br>D1 | Flute<br>Length<br>L1 | Overall<br>Length<br>L2 | Price  | Part No.     | Letter | Diameter<br>Decimal<br>D1 | Flute<br>Length<br>L1 | Overall<br>Length<br>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  |

### WIRE GAUGE

| Part No.     | Wire Gauge<br>D1 | Diameter<br>Decimal | Flute<br>Length<br>L1 | Overall<br>Length<br>L2 | Price  | Part No.     | Wire Gauge<br>D1 | Diameter<br>Decimal | Flute<br>Length<br>L1 | Overall<br>Length<br>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.<br>Uncoated | Mill<br>Diameter | Shank<br>Diameter | Length<br>of Cut | Overall<br>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.<br>Uncoated | Mill<br>Diameter | Shank<br>Diameter | Length<br>of Cut | Overall<br>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.<br>Coated | Mill<br>Diameter | Shank<br>Diameter | Length<br>of Cut | Overall<br>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.<br>Uncoated | Mill<br>Diameter | Shank<br>Diameter | Length<br>of Cut | Overall<br>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.<br>Coated | Mill<br>Diameter | Shank<br>Diameter | Length<br>of Cut | Overall<br>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

- 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<br>Number | Diameter | Shank<br>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  |

#### TiAIN Coated

### Variable Helix Carbide End Mills

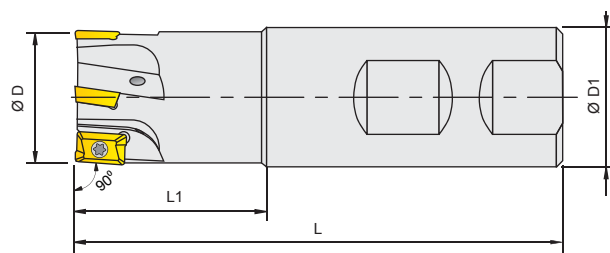
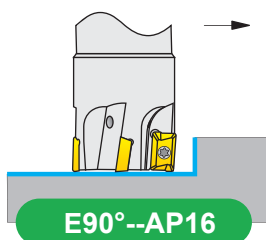
- A Variable Helix that reduces vibration and allows for smoother cutting performance
- Designed for: Mild Steels, Stainless Steel, Cast Irons, Tool Steels, Titanium Alloys, Pre-hardened Steels and Low Hardness materials under HRC 40.
- Excellent work piece finishes. • Higher speeds, deeper cuts and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



| Part<br>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)



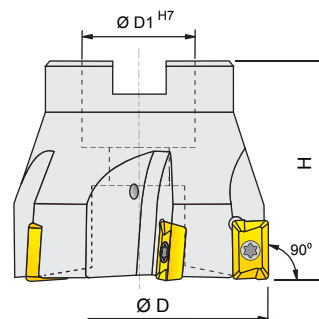
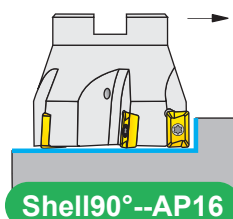
| Part No.     | ISO Designation    | ØD   | Ø D1 g7 | L1   | L    | Z  | Spare Screw | Insert    | Price   |
|--------------|--------------------|------|---------|------|------|----|-------------|-----------|---------|
| BRT-APE95120 | E90-0.75"AP16-01FL | 0.75 | 0.75    | 1.25 | 4.00 | 01 | K158        | 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**





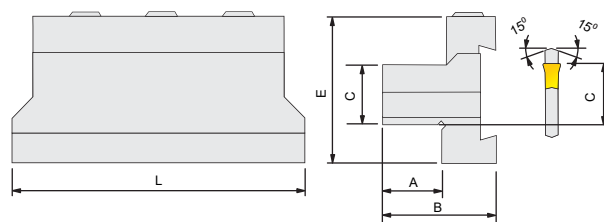
## PARTING TOOLS & INSERTS



ALL OUR BLADES COME WITH BRT MAX-GRIP



| Part No.     | ANSI Description | Dimensions (Inches) |       |       |       | Insert | Price   |
|--------------|------------------|---------------------|-------|-------|-------|--------|---------|
|              |                  | H                   | W     | T     | L     |        |         |
| 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   |



| Part No.     | ANSI Description | Dimensions (Inches) |       |       |       |       | Suitable Blade               | Price   |
|--------------|------------------|---------------------|-------|-------|-------|-------|------------------------------|---------|
|              |                  | A                   | B     | C     | E     | L     |                              |         |
| 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

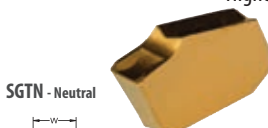
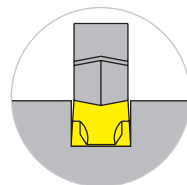
Cut-Off & Grooving Inserts are designed for use with standard cut-off inserts and standard cut-off blade holders. The insert's cutting edge location repeats accurately and as a result, prevents insert splitting under heavy feed and shock loads. The blade and insert geometry permits free chip flow, minimizing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

### Chip breaker Geometry

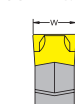
- Reduced Machining force
- Controlled, coiled chip flow
- Higher material removal rate

### Application

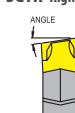
- Quickly insert into adjustable blades
- For cut-off and grooving
- Fair for interrupted cuts



SGTN - Neutral



SGTR - Right Hand



| ANSI     | Insert Size (mm) | Dimensions |                | inch | mm | UPC # | Price   | UPC # | Price   | UPC # | Price   |
|----------|------------------|------------|----------------|------|----|-------|---------|-------|---------|-------|---------|
|          |                  | Lead Angle | Insert Grade   |      |    |       |         |       |         |       |         |
| SGTN-2   | 2                | 0°         | Insert Coating | .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

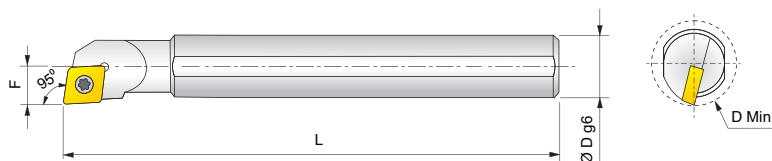
K25 P25 M25  
PVD TiAlN Coated  
DASK25B



## BORING BARS

# BRT-TOOLS

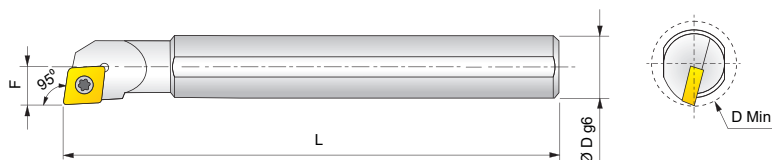
### BORING BAR SCLCR-02



| 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   |

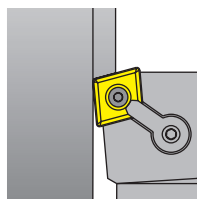
\*(sold in packages of 10)



## EXTERNAL BRT TOOLHOLDERS (All Toolholders use standard ISO parts)

**NEW!**

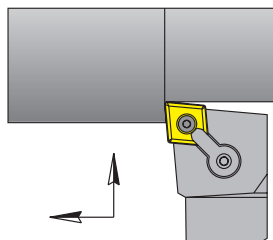
### Turning Tool - MCKNR/L



| 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    |

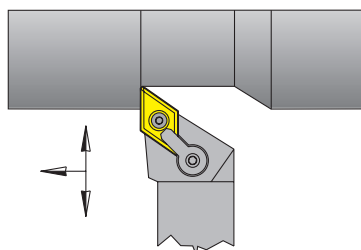
### Turning Tool - MCLNR/L



| 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    |

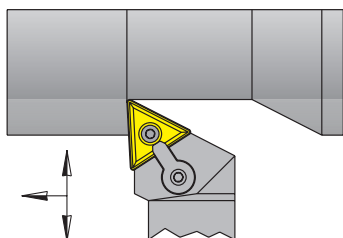
### Turning Tool - MDJNR/L



| 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)<br>PARTS | Part No. | Description        | Price   | (4D)<br>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    |



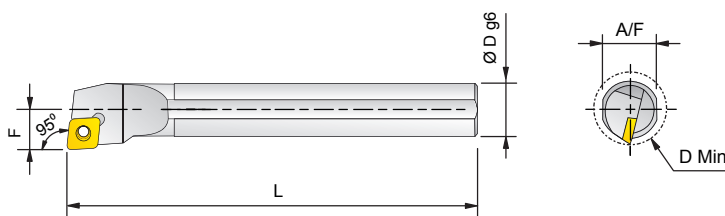
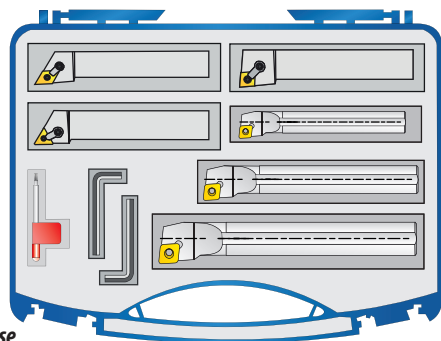
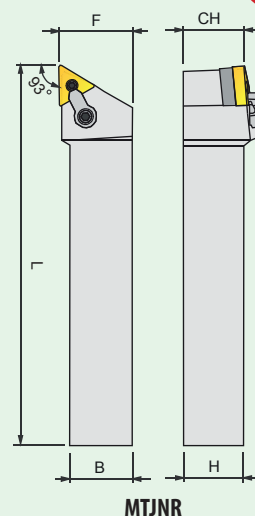
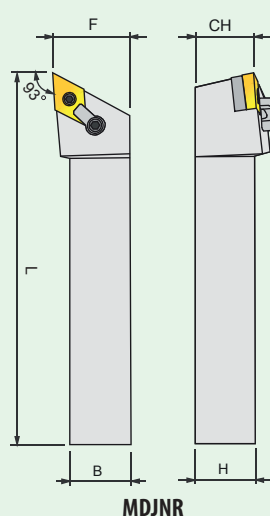
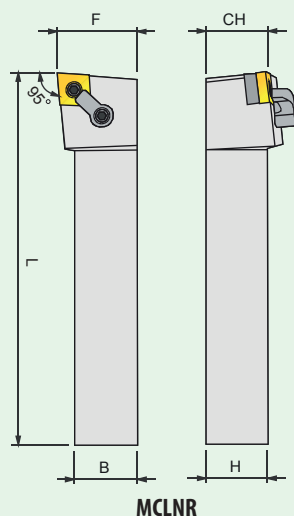
## SPINDLE CLEANERS



| 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)

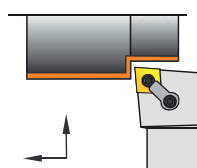
| Description  | H=CH=B<br>Ø D g6 | F     | D. Min | A/F   | L     | Insert     | Ordering No. |
|--------------|------------------|-------|--------|-------|-------|------------|--------------|
| MCLNR 16-4D  | 1.0              | 1.25  | -      | -     | 6.0   | CNMG 43-   | BRT-ET975317 |
| MDJNR 16-4D  | 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:

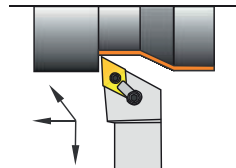
- Turning Tool MCLNR - 1pc.
- Turning Tool MDJNR - 1pc.
- Turning Tool MTJNR - 1pc.
- Boring Bar S08M SCLCR - 1pc.
- Boring Bar S12S SCLCR - 1pc.
- Boring Bar S16T SCLCR - 1pc.
- Torx Key - 1pc.
- Allan Key - 2pc.

#### Application

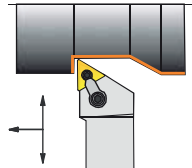
|                          |                                                                                                                                                                                                                         |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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.                                                                      |



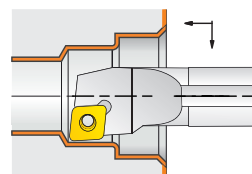
**MCLNR**



**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



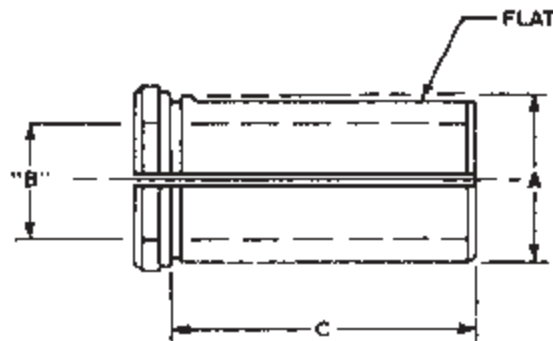
New Improved Formula



## TOOLHOLDER BUSHING TYPE B

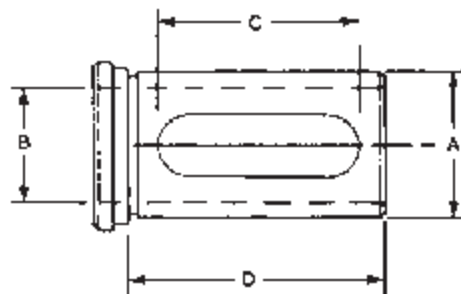
## PRECISION TOOLS

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   |              |             |            |            |              |            |         |



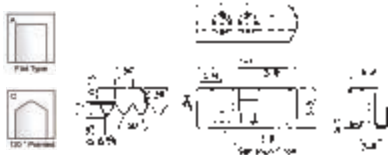
# BRT-Tools Soft Jaws - 1.5mmX60° Semi Point

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                |



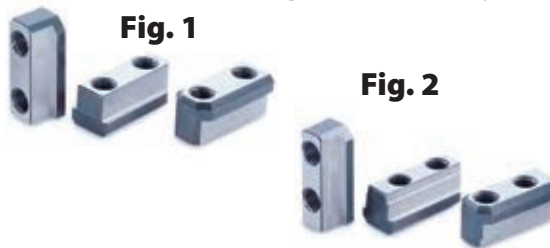
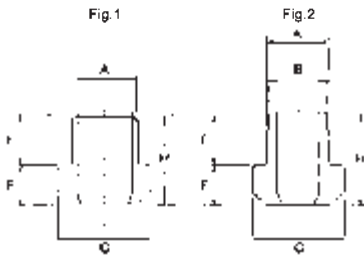
## TAIKI® Soft Jaws - 1.5mmX60° Standard Type



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 Drawing 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 |            |                  |    |    |    |     |      |      |      | Reference Set of 3 Price |
|---------------------------------------------|------------|------------------|----|----|----|-----|------|------|------|--------------------------|
| Order Number/ Dimension                     | Chuck Size | To suit Kitagawa | A  | B  | C  | D   | E    | F    | G    | H Drawing 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



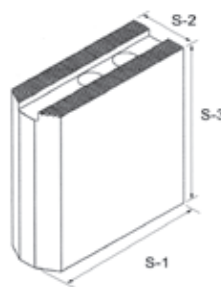
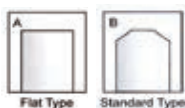
Jaw Nut Bolts to suit Kitagawa B-Type

| 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/<br>Dimension | Chuck<br>Size | Length<br>S-1 | Width<br>S-2 | Height<br>S-3 | Groove<br>Width | Serration<br>Pitch | Price<br>(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.

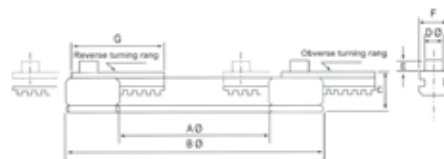


5. Unlock the chuck, and remove the Jaw Boring Rings.



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

| Order Number | Chuck      | D-E |     |    |        | Dimensions (UNIT: mm) |                  |                | Price    |
|--------------|------------|-----|-----|----|--------|-----------------------|------------------|----------------|----------|
|              | Size       | A   | B   | C  | (Dia.) | F-G                   | Jaw Stroke (ea.) | Max. Speed 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.

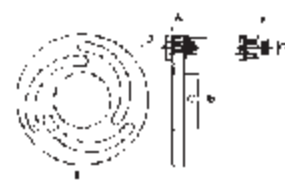
For adjusting the high accuracy of chuck during cutting performance.

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/<br>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

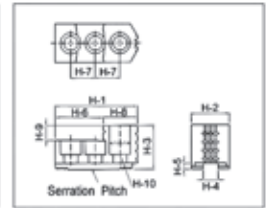
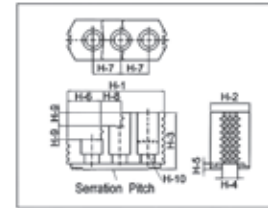


| Order Number/<br>Dimension | Chuck<br>Size | H-1 | H-2 | H-3 | H-4 | H-5 | H-6  | H-7 | H-8  | H-9 | H-10 | Pitch   | Drawing | Price    |
|----------------------------|---------------|-----|-----|-----|-----|-----|------|-----|------|-----|------|---------|---------|----------|
| BRT-HJ06                   | 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



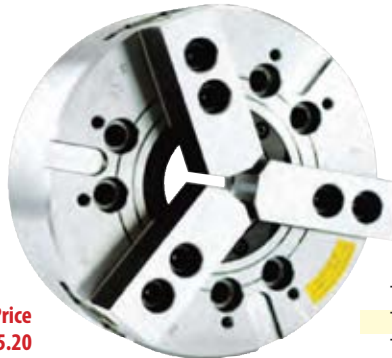
Dimensions (UNIT: mm) set of 3

| Order Number/<br>Dimension | Chuck<br>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<sup>AUTO</sup>

(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

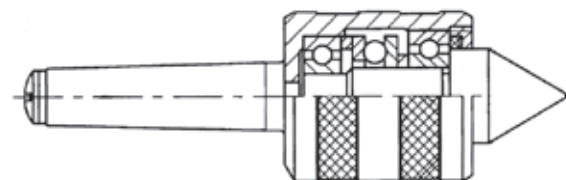
Product Description

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



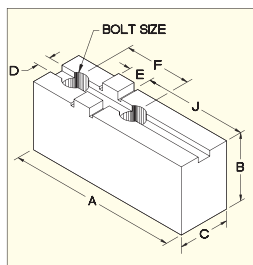
- 60° Standard steel point
- Three bearing design - greatly reduces deflection and increases rigidity.

| 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) | Part No.        | B       | Price (set of 3) |
|-----------------|---------|------------------|-----------------|---------|------------------|
| HR-5MEH         | 3-3/8   | \$120.01         | HR-5MEH         | 3-3/8   | \$189.44         |
| HR-6MEH         | 3-3/8   | \$134.23         | HR-6MEH         | 3-3/8   | \$227.39         |
| HR-471          | 3-3/8   | \$130.94         | HR-471          | 3-3/8   | \$220.50         |
| HR-6MEH-O       | 3-3/8   | \$141.09         | HR-6MEH-O       | 3-3/8   | \$248.09         |
| HR-6MEH-OP      | 3-3/8   | \$182.55         | HR-6MEH-OP      | 3-3/8   | \$289.33         |
| HR-483-P        | 3-3/8   | \$185.99         | HR-483-P        | 3-3/8   | \$310.04         |
| HR-8MEH         | 3-3/8   | \$144.60         | HR-8MEH         | 3-3/8   | \$254.99         |
| HR-474          | 3-3/8   | \$144.60         | HR-474          | 3-3/8   | \$254.99         |
| HR-8MEH-O       | 3-3/8   | \$155.10         | HR-8MEH-O       | 3-3/8   | \$275.72         |
| HR-8MEH-OP      | 3-3/8   | \$196.36         | HR-8MEH-OP      | 3-3/8   | \$316.93         |
| HR-486-P        | 3-3/8   | \$203.25         | HR-486-P        | 3-3/8   | \$330.74         |
| M-1603-L\2307B2 | 2-7/8   | \$196.36         | M-1603-L\2307B2 | 2-7/8   | \$344.55         |
| HR-10MEH        | 3-3/8   | \$182.55         | HR-10MEH        | 3-3/8   | \$303.15         |
| HR-476          | 3-3/8   | \$185.99         | HR-476          | 3-3/8   | \$289.33         |
| HR-10MEH-O      | 3-3/8   | \$194.27         | HR-10MEH-O      | 3-3/8   | \$330.80         |
| HR-10MEH-OP     | 3-3/8   | \$234.29         | HR-10MEH-OP     | 3-3/8   | \$379.10         |
| HR-488-P        | 3-3/8   | \$241.22         | HR-488-P        | 3-3/8   | \$385.79         |
| M-1605-L\2309B2 | 3-3/8   | \$261.73         | M-1605-L\2309B2 | 3-3/8   | \$371.56         |
| HR-478          | 3-7/8   | \$206.71         | HR-478          | 3-7/8   | \$371.56         |
| HR-12MEH-O      | 3-7/8   | \$223.95         | HR-12MEH-O      | 3-7/8   | \$405.43         |
| HR-12MEH-OP     | 3-7/8   | \$292.82         | HR-12MEH-OP     | 3-7/8   | \$475.51         |
| HR-490-P        | 3-7/8   | \$299.70         | HR-490-P        | 3-7/8   | \$482.39         |
| M-1607-L\2311B2 | 3-7/8   | \$272.10         | M-1607-L\2311B2 | 3-7/8   | \$474.39         |
| HR-15MEH        | 3-13/16 | \$248.09         | HR-15MEH        | 3-13/16 | \$454.81         |
| HR-480          | 3-13/16 | \$274.35         | HR-480          | 3-13/16 | \$447.77         |
| HR-15MEH-O      | 3-13/16 | \$275.72         | HR-15MEH-O      | 3-13/16 | \$513.29         |
| HR-15MEH-OP     | 3-13/16 | \$344.55         | HR-15MEH-OP     | 3-13/16 | \$592.49         |
| HR-495-P        | 3-13/16 | \$358.36         | HR-495-P        | 3-13/16 | \$606.29         |
| M-1609-L        | 4-3/4   | \$444.46         | M-1609-L        | 4-3/4   | \$656.54         |
| HR-18MEH        | 4-13/16 | \$358.36         | HR-18MEH        | 4-13/16 | \$627.45         |
| HR-481          | 3-13/16 | \$358.36         | HR-481          | 3-13/16 | \$620.09         |
| HR-18MEH-O      | 4-13/16 | \$375.60         | HR-18MEH-O      | 4-13/16 | \$670.36         |
| HR-18MEH-OP     | 4-13/16 | \$444.48         | HR-18MEH-OP     | 4-13/16 | \$751.28         |
| HR-520-P        | 4-13/16 | \$592.65         | HR-520-P        | 4-13/16 | \$1,021.20       |
| M-1611-L        | 4-3/4   | \$472.36         | M-1611-L        | 4-3/4   | \$1,021.20       |
| HR-482          | 4-13/16 | \$399.61         | HR-482          | 4-13/16 | \$802.49         |

## 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

48 - 4 OZ.

18 LBS./8.2 KGS.

\$403.85

TT-96070C

12 - 16 OZ.

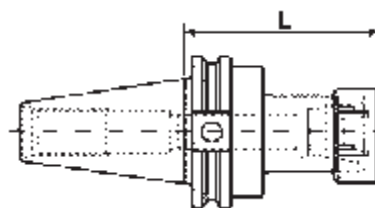
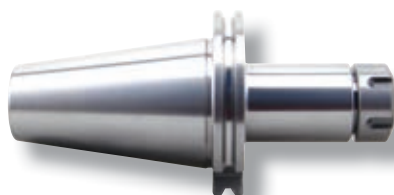
15 LBS./6.8 KGS.

\$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        |
| <b>BRT-01TG1003</b> | <b>CAT 40</b> | <b>Collet Chuck</b> | <b>TG100</b> | <b>3.25"</b> | <b>115.23</b> |
| <b>BRT-01TG1004</b> | <b>CAT 40</b> | <b>Collet Chuck</b> | <b>TG100</b> | <b>4.50"</b> | <b>128.17</b> |

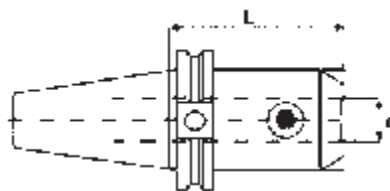


See page 33 for wrenches & nuts. See pages 33-39 for ER and TG100 Collets.



## END MILL HOLDER • CAT 40 • 20,000 RPM

## PRECISION TOOLS

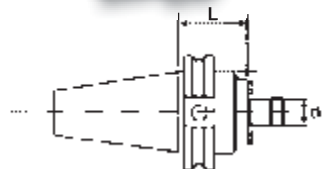


| PART NO.     | TAPER  | DESCRIPTION     | HOLE DIA. -D | GAGE -L | PRICE    |
|--------------|--------|-----------------|--------------|---------|----------|
| BRT-01010251 | CAT 40 | End Mill Holder | 1/4"         | 1.38"   | \$102.28 |
| BRT-01010254 | CAT 40 | End Mill Holder | 1/4"         | 4"      | 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

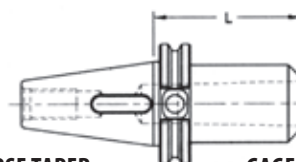


| PART NO.     | TAPER  | DESCRIPTION        | HOLE DIA. -D | GAGE -L | PRICE   |
|--------------|--------|--------------------|--------------|---------|---------|
| BRT-01020501 | CAT 40 | Shell Mill Adapter | 1/2"         | 1.75"   | \$89.33 |
| BRT-01020751 | CAT 40 | Shell Mill Adapter | 3/4"         | 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

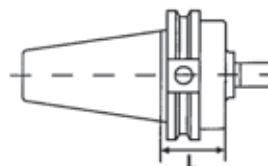
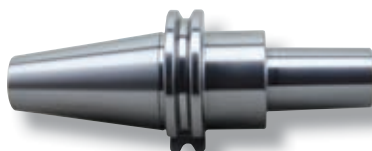


| PART NO.     | TAPER  | DESCRIPTION         | MORSE TAPER | GAGE -L | PRICE   |
|--------------|--------|---------------------|-------------|---------|---------|
| BRT-01050202 | CAT 40 | Morse Taper Adapter | MT 2        | 2"      | \$89.33 |
| BRT-01050303 | CAT 40 | Morse Taper Adapter | MT 3  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



## JACOBS TAPER ADAPTER • CAT 40

## PRECISION TOOLS

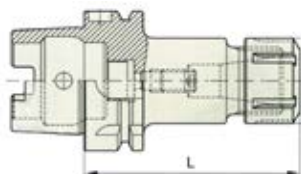


| PART NO.     | TAPER  | DESCRIPTION    | JACOBS TAPER | GAGE -L | PRICE   |
|--------------|--------|----------------|--------------|---------|---------|
| BRT-01040202 | CAT 40 | Jacobs Adapter | JT #2        | 2"      | \$89.33 |
| BRT-01040302 | CAT 40 | Jacobs Adapter | JT #3        | 2"      | 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

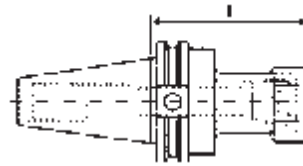
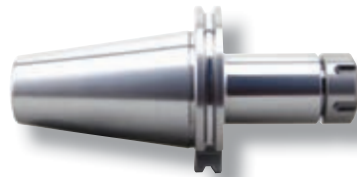


| PART NO.     | DESCRIPTION                  | COLLET SIZE | GAGE LENGTH (L) | PRICE    |
|--------------|------------------------------|-------------|-----------------|----------|
| BRT-8881175  | HSK63A-ER11-75 Collet Chuck  | ER11        | 75mm (2.95")    | \$251.94 |
| BRT-88811100 | HSK63A-ER11-100 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



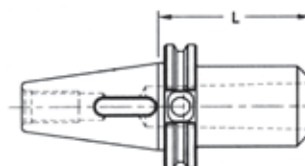
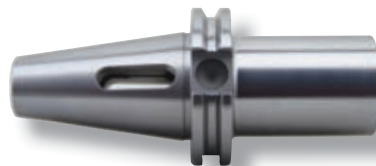
| PART NO.            | TAPER         | DESCRIPTION         | COLLET SIZE  | GAGE -L      | PRICE         |
|---------------------|---------------|---------------------|--------------|--------------|---------------|
| BRT-02031640        | CAT 50        | Collet Chuck        | ER16         | 4"           | \$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        |
| <b>BRT-02TG1003</b> | <b>CAT 50</b> | <b>Collet Chuck</b> | <b>TG100</b> | <b>3.25"</b> | <b>179.86</b> |
| <b>BRT-02TG1005</b> | <b>CAT 50</b> | <b>Collet Chuck</b> | <b>TG100</b> | <b>5.50"</b> | <b>218.80</b> |

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



## MORSE TAPER ADAPTER • CAT 50

## PRECISION TOOLS

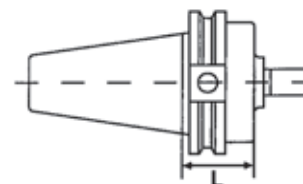


| PART NO.     | TAPER  | DESCRIPTION         | MORSE TAPER | GAGE -L | PRICE    |
|--------------|--------|---------------------|-------------|---------|----------|
| BRT-02050202 | CAT 50 | Morse Taper Adapter | MT 2        | 2"      | \$128.17 |
| BRT-02050302 | CAT 50 | Morse Taper Adapter | MT 3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

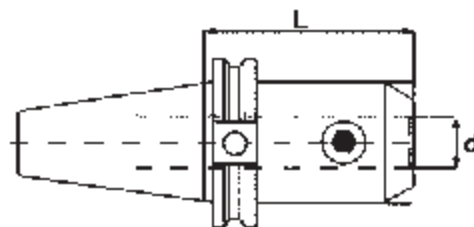
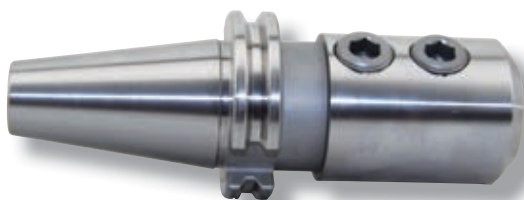


| PART NO.     | TAPER  | DESCRIPTION    | HOLE DIA. -D | GAGE -L | PRICE    |
|--------------|--------|----------------|--------------|---------|----------|
| BRT-02040202 | CAT 50 | Jacobs Adapter | JT #2        | 2"      | \$121.70 |
| BRT-02040302 | CAT 50 | Jacobs Adapter | JT #3        | 2"      | 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

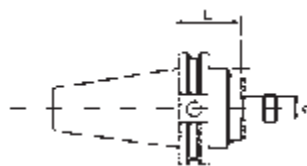


| Part No.     | Thread Size | Holder Size | Price (each) |
|--------------|-------------|-------------|--------------|
| BRT-AS142812 | 1/4" - 28   | 1/2"        | \$8.65       |
| BRT-AS382434 | 3/8" - 24   | 3/4"        | 8.65         |
| BRT-AS122010 | 1/2" - 20   | 1.0"        | 9.80         |
| 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



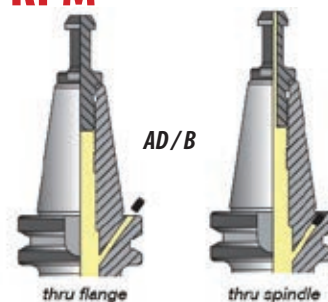
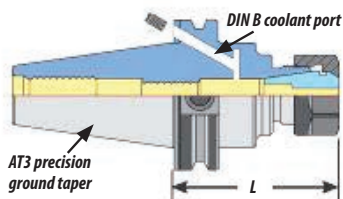
| PART NO.     | TAPER  | DESCRIPTION        | ARBOR -d | GAGE -L | PRICE    |
|--------------|--------|--------------------|----------|---------|----------|
| BRT-02020751 | CAT 50 | Shell Mill Adapter | 3/4"     | 1.75"   | \$167.01 |
| BRT-02020754 | CAT 50 | Shell Mill Adapter | 3/4"     | 4"      | 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

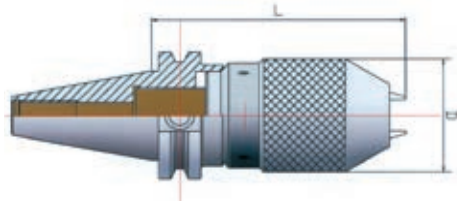


| Part No.   | Description                    | Price       |
|------------|--------------------------------|-------------|
| BRT-SC0140 | CAT 40 / BT 40 Spindle Cleaner | \$23.72 ea. |
| BRT-SC0250 | CAT 50 / BT 50 Spindle Cleaner | 26.91 ea.   |
| BRT-SC8863 | HSK63 Spindle Cleaner          | 38.45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

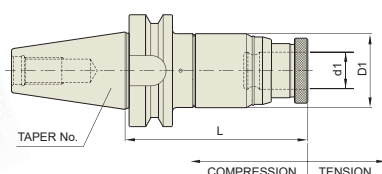


| Part No.     | Clamping Range         | Mount | Price   |
|--------------|------------------------|-------|---------|
| BRT-DR110J33 | 1/32" - 3/8" (1-10 mm) | J33   | \$66.42 |
| BRT-DR113J33 | 1/32" - 1/2" (1-13 mm) | J33   | 71.74   |
| BRT-DR116J6  | 1/32" - 5/8" (1-16 mm) | J6    | 83.72   |
|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



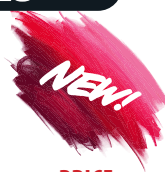
## SYNCHRO ER TAPPING CHUCK

**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

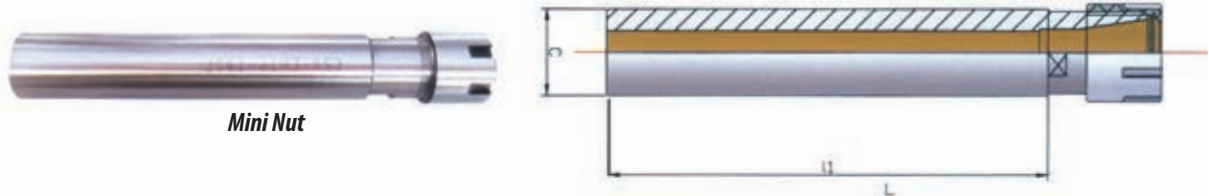


| Order No.   | Model | Shank  | Price    |
|-------------|-------|--------|----------|
| BRT-040101  | #1T/C | 1"     | \$344.39 |
| BRT-040102  | #2T/C | 1"     | 344.39   |
| BRT-0411402 | #2T/C | 1-1/4" | 344.39   |



## STRAIGHT SHANK MINI COLLET CHUCK

## PRECISION TOOLS



Mini Nut

| 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   |
| <b>Mini Nuts</b> |             |              |           |           |         |
| BRT-101MN11      | ER 11       | .630"        | -         | -         | 16.64   |
| BRT-101MN16      | ER 16       | .865"        | -         | -         | 16.64   |

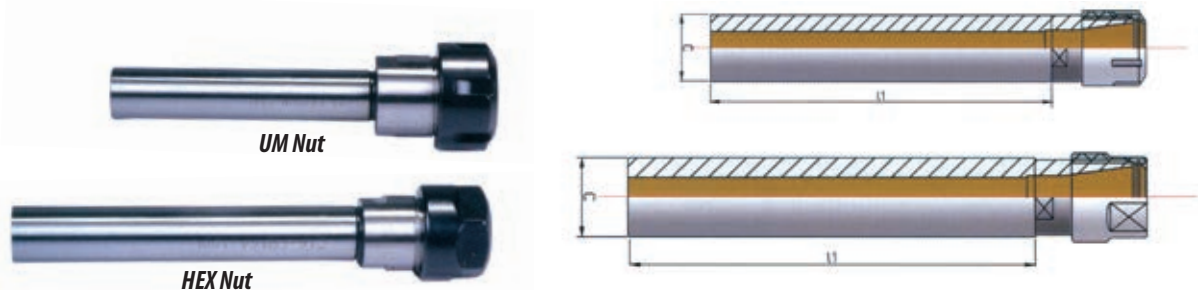


| PART NO.     | NUT    | B(MM) | L (MM) | PRICE   |
|--------------|--------|-------|--------|---------|
| BRT-10111ERM | 11ER-M | 11    | 90     | \$26.09 |
| BRT-10116ERM | 16ER-M | 15    | 110    | 26.09   |



## STRAIGHT SHANK COLLET CHUCK

## PRECISION TOOLS



UM Nut

HEX Nut

| 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**

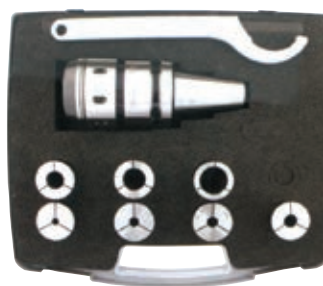
**\$420.<sup>22</sup>**

### 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.<sup>90</sup>**



### 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.<sup>60</sup>**

### 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.<sup>60</sup>**



## BRT MILLING COLLETS

## PRECISION TOOLS

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





## 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 |



## PRECISION TOOLS

# 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

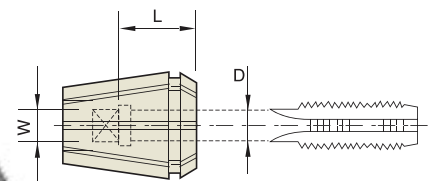
| Part No.     | Description                                 |
|--------------|---------------------------------------------|
| BRT-SS51608S | ER16SS Steel Sealed Collet Set (3-10) 8 pc. |

*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

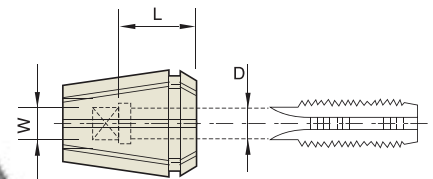
| Part No.     | Description                                  |
|--------------|----------------------------------------------|
| BRT-SS52011S | ER20SS Steel Sealed Collet Set (3-13) 11 pc. |

*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 |

## PRECISION TOOLS



**\$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

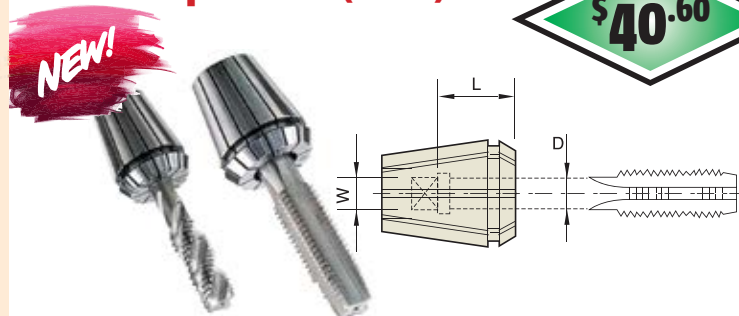
| Part No.     | Description                                  |
|--------------|----------------------------------------------|
| BRT-SS52514S | ER25SS Steel Sealed Collet Set (3-16) 14 pc. |

*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

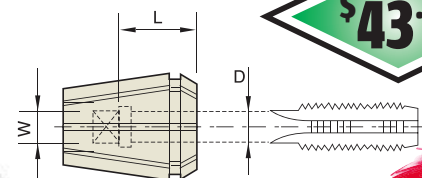
| Part No.     | Description                                  |
|--------------|----------------------------------------------|
| BRT-SS53218S | ER32SS Steel Sealed Collet Set (3-20) 18 pc. |

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

| Part No.      | Description     | Metric |                  | Inch  |       |
|---------------|-----------------|--------|------------------|-------|-------|
|               |                 |        | Holding Capacity |       |       |
| 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

| Part No.      | Description       | Metric |                  | Inch  |       |
|---------------|-------------------|--------|------------------|-------|-------|
|               |                   |        | Holding Capacity |       |       |
| 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**

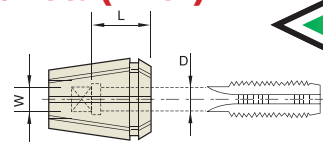
### STEEL SEALED ER40 COLLET SET: DIN6499

| 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!**

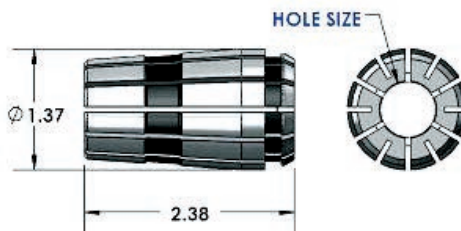
| TAP      | Part No.     | Inch   | Metric  | D(φ)  | W(□)  | L     |
|----------|--------------|--------|---------|-------|-------|-------|
|          | BRT-TC540411 | #6     | M3      | 0.141 | 0.110 | 0.709 |
|          | BRT-TC540613 | #8     | M4      | 0.168 | 0.131 | 0.709 |
|          | BRT-TC540915 | #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

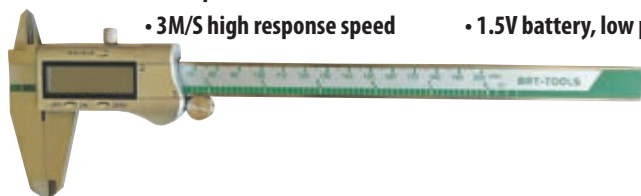
**Description**  
15 pc. (1/8" - 1 x 1/16")  
(Case Included)

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



**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    | <b>\$30.17</b> | BRT-AC16471 | 1-7/16          | 1    | <b>\$87.98</b> |
| BRT-AC16321 | 1/2             | 1    | <b>30.17</b>   | BRT-AC16481 | 1-1/2           | 1    | <b>90.15</b>   |
| BRT-AC16331 | 9/16            | 1    | <b>34.36</b>   | BRT-AC16491 | 1-9/16          | 1    | <b>95.23</b>   |
| BRT-AC16341 | 5/8             | 1    | <b>38.18</b>   | BRT-AC16501 | 1-5/8           | 1    | <b>99.42</b>   |
| BRT-AC16351 | 11/16           | 1    | <b>38.18</b>   | BRT-AC16511 | 1-11/16         | 1    | <b>112.63</b>  |
| BRT-AC16361 | 3/4             | 1    | <b>41.23</b>   | BRT-AC16521 | 1-3/4           | 1    | <b>121.14</b>  |
| BRT-AC16371 | 13/16           | 1    | <b>45.68</b>   | BRT-AC16531 | 1-13/16         | 1    | <b>129.91</b>  |
| BRT-AC16381 | 7/8             | 1    | <b>51.14</b>   | BRT-AC16541 | 1-7/8           | 1    | <b>137.16</b>  |
| BRT-AC16391 | 15/16           | 1    | <b>55.20</b>   | BRT-AC16551 | 1-15/16         | 1    | <b>140.97</b>  |
| BRT-AC16401 | 1 INCH          | 1    | <b>55.20</b>   | BRT-AC16561 | 2 INCH          | 1    | <b>153.92</b>  |
| BRT-AC16411 | 1-1/16          | 1    | <b>62.45</b>   | BRT-AC16571 | 2-1/16          | 1    | <b>157.86</b>  |
| BRT-AC16421 | 1-1/8           | 1    | <b>65.36</b>   | BRT-AC16581 | 2-1/8           | 1    | <b>166.24</b>  |
| BRT-AC16431 | 1-3/16          | 1    | <b>66.64</b>   | BRT-AC16591 | 2-3/16          | 1    | <b>177.05</b>  |
| BRT-AC16441 | 1-1/4           | 1    | <b>73.37</b>   | BRT-AC16601 | 2-1/4           | 1    | <b>181.24</b>  |
| BRT-AC16451 | 1-5/16          | 1    | <b>76.18</b>   | BRT-AC16611 | 2-5/16          | 1    | <b>190.00</b>  |
| BRT-AC16461 | 1-3/8           | 1    | <b>80.99</b>   | BRT-AC16621 | 2-3/8           | 1    | <b>194.95</b>  |

**2" Cut Depth**

• **HIGH TUNGSTEN HSS**  
• **WELDON SHANK**

**Pins:**

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

**\$6.20 ea.**

BRT-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    | <b>\$40.21</b> | BRT-AC16472 | 1-7/16          | 1    | <b>\$114.66</b> |
| BRT-AC16322 | 1/2             | 1    | <b>40.21</b>   | BRT-AC16482 | 1-1/2           | 1    | <b>118.72</b>   |
| BRT-AC16332 | 9/16            | 1    | <b>43.26</b>   | BRT-AC16492 | 1-9/16          | 1    | <b>129.02</b>   |
| BRT-AC16342 | 5/8             | 1    | <b>47.07</b>   | BRT-AC16502 | 1-5/8           | 1    | <b>134.10</b>   |
| BRT-AC16352 | 11/16           | 1    | <b>47.07</b>   | BRT-AC16512 | 1-11/16         | 1    | <b>142.24</b>   |
| BRT-AC16362 | 3/4             | 1    | <b>50.25</b>   | BRT-AC16522 | 1-3/4           | 1    | <b>146.42</b>   |
| BRT-AC16372 | 13/16           | 1    | <b>56.61</b>   | BRT-AC16532 | 1-13/16         | 1    | <b>158.75</b>   |
| BRT-AC16382 | 7/8             | 1    | <b>61.44</b>   | BRT-AC16542 | 1-7/8           | 1    | <b>179.20</b>   |
| BRT-AC16392 | 15/16           | 1    | <b>69.69</b>   | BRT-AC16552 | 1-15/16         | 1    | <b>184.28</b>   |
| BRT-AC16402 | 1 INCH          | 1    | <b>69.69</b>   | BRT-AC16562 | 2 INCH          | 1    | <b>199.66</b>   |
| BRT-AC16412 | 1-1/16          | 1    | <b>74.77</b>   | BRT-AC16572 | 2-1/16          | 1    | <b>203.73</b>   |
| BRT-AC16422 | 1-1/8           | 1    | <b>81.88</b>   | BRT-AC16582 | 2-1/8           | 1    | <b>214.02</b>   |
| BRT-AC16432 | 1-3/16          | 1    | <b>84.93</b>   | BRT-AC16592 | 2-3/16          | 1    | <b>229.39</b>   |
| BRT-AC16442 | 1-1/4           | 1    | <b>90.15</b>   | BRT-AC16602 | 2-1/4           | 1    | <b>234.98</b>   |
| BRT-AC16452 | 1-5/16          | 1    | <b>94.22</b>   | BRT-AC16612 | 2-5/16          | 1    | <b>246.80</b>   |
| BRT-AC16462 | 1-3/8           | 1    | <b>103.48</b>  | BRT-AC16622 | 2-3/8           | 1    | <b>253.02</b>   |

DISTRIBUTED BY:



**Warehoused in Canada!**