

ZERO SET®

THREE JAW SCROLL CHUCKS WITH TOP REVERSIBLE JAWS

BTC® ZERO SET®

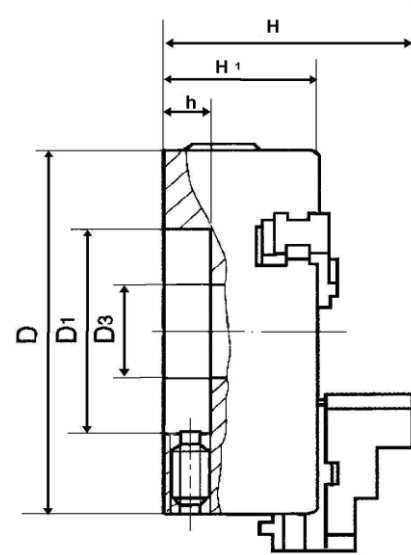
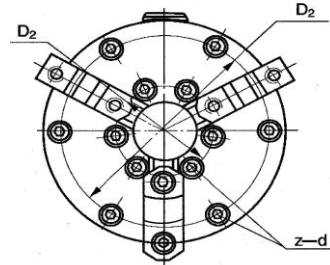
.0005" repeatability on duplicate parts. This accuracy is possible by having a clearance of .020" between the chuck cavity and the mounting plate hub. Opposing adjusting screws allow alignment to adjust work to "dead true" accuracy and repeatability on duplicate parts. With proper care BTC® Chucks useful life is approximately 2.5 times longer than standard self centering scroll chucks.

SUPPLIED WITH:

Chuck - Hardend Scroll,
Master Jaws and Top Jaws
T-Wrench
Mounting Screws

OPTIONS:

Backplates (page 8)



WORKHOLDING CAPACITIES AND MAXIMUM RPM LIMITS

| SIZE | MODEL | OD MIN | OD MAX | ID MIN | ID MAX | MAX RPM |
|-----------------|---------|--------|--------|--------|--------|---------|
| 4" | 1043 | 0.031 | 3.640 | 1.031 | 3.500 | 4000 |
| 5" | 1053R | 0.118 | 5.000 | 1.575 | 4.724 | 3500 |
| 6" | 1063R | 0.125 | 6.000 | 1.875 | 5.750 | 3400 |
| 6" ³ | 1063RAS | 0.125 | 6.000 | 1.875 | 5.750 | 3400 |
| 8" | 1083R | 0.200 | 8.250 | 2.125 | 6.750 | 3100 |
| 10" | 1103R | 0.500 | 9.360 | 2.937 | 8.718 | 2700 |
| 12" | 1123R | 0.500 | 11.312 | 3.281 | 10.125 | 2200 |
| 15" | 1153R | 0.562 | 15.000 | 4.000 | 15.748 | 1800 |
| 21" | 1213R | 1.5000 | 21.000 | 4.750 | 20.250 | 1000 |

³ Am. Std. Master jaws and top jaws

PRINCIPAL SPECIFICATIONS

| SIZE | MODEL | WEIGHT | D | D1 | D2 | D3 | H | H1 | h | z-d |
|------------------|-------|--------|--------|--------|-------|-------|-------|-------|-------|---------|
| 4" ₂ | 1043 | 10 | 4.000 | 2.750 | 3.530 | 1.040 | 3.130 | 2.380 | 0.420 | 3/16-24 |
| 5" ₂ | 1053R | 15 | 5.000 | 2.716 | 4.438 | 1.299 | 3.768 | 2.205 | 0.657 | 1/4-20 |
| 6" ₂ | 1063R | 19 | 6.000 | 3.125 | 5.343 | 1.535 | 3.882 | 2.323 | 0.689 | 1/4-20 |
| 8" ₂ | 1083R | 50 | 8.270 | 4.750 | 7.500 | 2.264 | 5.206 | 3.122 | 0.752 | 3/8-16 |
| 10" ₁ | 1103R | 70 | 10.000 | 6.374 | 4.375 | 2.835 | 6.056 | 3.492 | 0.803 | 7/16-14 |
| 12" ₁ | 1123R | 116 | 12.000 | 7.905 | 5.250 | 3.268 | 6.569 | 3.980 | 0.803 | 1/2-13 |
| 15" ₁ | 1153R | 200 | 15.000 | 11.781 | 6.750 | 4.252 | 8.799 | 5.362 | 1.063 | 5/8-11 |
| 21" ₁ | 1213R | 395 | 21.000 | 10.030 | 9.250 | 5.275 | 9.520 | 6.250 | 1.188 | 3/4-10 |

₁ Inner Mtg. Holes D2 ₂ Outer Mtg. Holes D2

ZERO SET® CHUCKS WITH 5C and MORSE TAPER MOUNTS

| SIZE | MODEL 3 Jaw | MODEL 6 Jaw | O.A. Length | MTG |
|------|-------------|-------------|-------------|-----|
| 4" | 10435C | | 7.091 | 5C |
| 5" | 1053R5C | | 7.788 | 5C |
| 6" | 1063R5C | 1066R5C | 7.902 | 5C |
| 5" | 1053R3MT | | 7.788 | 3MT |
| 5" | 1053R4MT | | 7.788 | 4MT |
| 6" | 1063R5MT | 1066R5MT | 7.902 | 5MT |

.0005" repeatability on duplicate parts.

