

KITAGAWA[®] POWER CHUCKS

B200 & BT200 SERIES

Three-jaw (B200 Series) and two-jaw (BT200 Series) wedge style power chucks deliver up to 20% more speed, gripping force and bore size when compared to conventional chucks. These deliver constant accuracy and repetitive chucking.

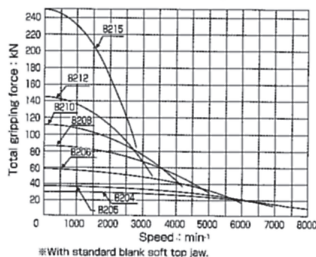
Special Features:

- * Large Thru-Hole
- * Compact and Lightweight
- * Strong Clamping Force
- * Direct Mount
- * High Speed
- * High Accuracy and High Endurance

| MODEL | UNIT | B204 | B205 | B206A05 | B208A06 | B210A06 | B210A08 | B212A06 | B212A08 | B215 |
|--------------------------|------------|--------|--------|---------|---------|---------|---------|---------|---------|--------|
| SPINDLE NOSE | ---- | 3.346 | 4.331 | A2-5 | A2-6 | A2-6 | A2-8 | A2-6 | A2-8 | 11.811 |
| THRU-HOLE | IN. | 1.024 | 1.299 | 1.772 | 2.047 | 2.953 | 2.953 | 3.583 | 3.583 | 3.937 |
| JAW STROKE (DIA) | IN. | 0.213 | 0.213 | 0.217 | 0.291 | 0.346 | 0.346 | 0.417 | 0.417 | 0.572 |
| PLUNGER STROKE | IN. | 0.394 | 0.394 | 0.472 | 0.630 | 0.748 | 0.748 | 0.906 | 0.906 | 0.928 |
| MAX. DRAW BAR PULL FORCE | LBS. | 3,150 | 3,930 | 4,846 | 7,808 | 9,471 | 9,471 | 12,115 | 12,115 | 22,030 |
| MAX. GRIPPING FORCE | LBS. | 6,400 | 8,090 | 12,555 | 19,292 | 24,449 | 24,449 | 31,718 | 31,718 | 55,975 |
| MAX SPEED | RPM | 8,000 | 7,000 | 6,000 | 5,000 | 4,200 | 4,200 | 3,300 | 3,300 | 2,800 |
| NET WEIGHT | LBS. | 8.8 | 14.7 | 27.1 | 48.5 | 81.1 | 75.1 | 122.9 | 117.0 | 256.1 |
| GD2 | LBS FT2 | 0.52 | 1.4 | 5.2 | 15.6 | 29.9 | 28.9 | 65.7 | 64.7 | 208.8 |
| MATCHING CYLINDER | ---- | F0933H | F0933H | S1246 | S1552 | S1875 | S1875 | S2091 | S2091 | F2511H |

| MODEL | UNIT | BT204 | BT205 | BT206A05 | BT208A06 | BT210A06 | BT210A08 | BT212A06 | BT212A08 |
|--------------------------|------------|---------|--------|----------|----------|----------|----------|----------|----------|
| SPINDLE NOSE | IN. | 3.346 | 4.331 | A2-5 | A2-6 | A2-6 | A2-8 | A2-6 | A2-8 |
| THRU-HOLE | IN. | 1.024 | 1.299 | 1.772 | 2.047 | 2.953 | 2.953 | 3.583 | 3.583 |
| JAW STROKE (DIA) | IN. | 0.123 | 0.213 | 0.217 | 0.291 | 0.346 | 0.346 | 0.417 | 0.417 |
| PLUNGER STROKE | IN. | 0.394 | 0.394 | 0.472 | 0.630 | 0.748 | 0.748 | 0.906 | 0.906 |
| MAX. DRAW BAR PULL FORCE | LBS. | 2,090.6 | 2,630 | 3,258 | 5,053 | 6,401 | 6,401 | 8,242 | 8,242 |
| MAX. GRIPPING FORCE | LBS. | 4,271.2 | 5,390 | 8,535 | 12,577 | 16,621 | 16,621 | 21,562 | 21,562 |
| MAX SPEED | RPM | 8,000 | 7,000 | 6,000 | 5,000 | 4,200 | 4,200 | 3,300 | 3,300 |
| NET WEIGHT | LBS. | 8.4 | 14.3 | 26.7 | 45.4 | 76.2 | 70.3 | 112.1 | 106.2 |
| GD2 | LBS FT2 | 0.57 | 1.4 | 5.1 | 14.7 | 28.0 | 27.0 | 60.0 | 59.0 |
| MATCHING CYLINDER | ---- | F0933H | F0933H | S1246 | S1552 | S1875 | S1875 | S2091 | S2091 |

Gripping Characteristic Graphs B200



Note: Specifications are subject to change without notice due to ongoing research and development.

Model B200 and BT200 Series Chucks are manufactured from high grade alloy steel. All sliding surfaces are hardened and ground to assure consistent accuracy and performance.

Lubrication nipple in each base jaw.

Master Jaw Serration:

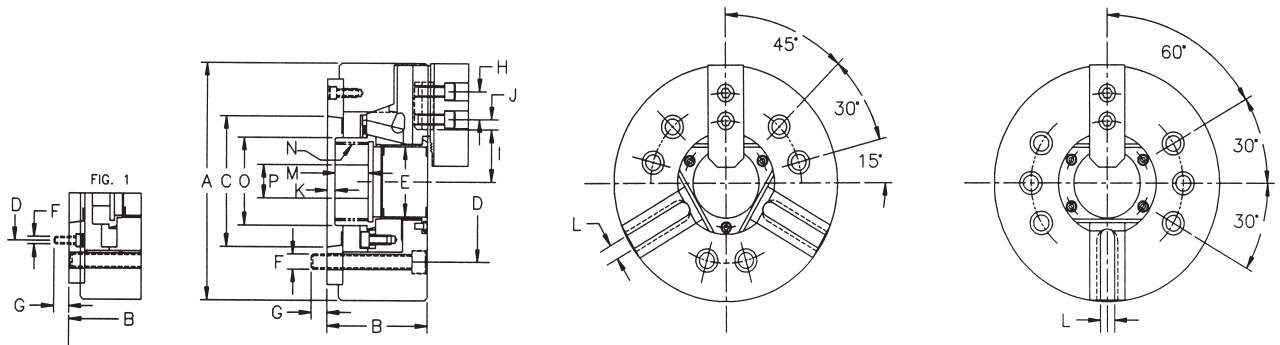
Chuck Size 4" to 15" 1.5mm x 60 degree

Mounting:

Direct mounting to fit ASA B5.9 type A (interchangeable with DIN 55026).

Standard Equipment:

Chuck assembled with adapter, chuck mounting bolts, soft top jaws, T-nuts, and jaw mounting bolts with wrench, draw nut wrench.



| MODEL | B206A05 BT206A05 | B208A06 BT208A06 | B210A06 BT210A06 | B210A08 BT210A08 | B212A06 BT212A06 | B212A08 BT212A08 | B215 |
|--------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------|
| A | 6.654 | 8.268 | 10.000 | 10.000 | 11.969 | 11.969 | 15.000 |
| B | 3.583 | 4.055 | 4.724 | 4.449 | 5.079 | 4.803 | 5.787 |
| C | 3.250 | 4.188 | 4.188 | 5.501 | 4.188 | 5.501 | ---- |
| D | 4.125 | 5.250 | 5.250 | 6.750 | 5.250 | 6.750 | 9.252 |
| E | 1.772 | 2.047 | 2.953 | 2.953 | 3.583 | 3.583 | ---- |
| F | 6xM10 | 6xM12 | 6xM12 | 6xM16 | 6xM12 | 6xM16 | 6xM20 |
| G | 0.630 | 0.709 | 0.728 | 0.945 | 0.728 | 0.984 | ---- |
| H | 0.787 | 0.984 | 1.181 | 1.181 | 1.181 | 1.181 | 1.693 |
| I max. | 1.260 | 1.524 | 2.008 | 2.008 | 2.413 | 2.413 | 2.756 |
| I min. | 1.152 | 1.378 | 1.835 | 1.835 | 2.205 | 2.205 | 2.547 |
| J max. | 0.896 | 1.171 | 1.329 | 1.329 | 1.803 | 1.803 | 2.155 |
| J min. | 0.364 | 0.581 | 0.561 | 0.561 | 0.621 | 0.621 | 0.797 |
| K max. | 1.024 | 1.240 | 1.319 | 1.043 | 1.299 | 1.024 | 0.905 |
| K min. | 0.551 | 0.610 | 0.571 | 0.295 | 0.394 | 0.118 | 0.000 |
| L | 0.472 | 0.551 | 0.630 | 0.630 | 0.827 | 0.827 | 1.004 |
| M | 0.591 | 0.650 | 0.787 | 0.787 | 0.906 | 0.906 | 1.181 |
| N max. | M55x2.0 | M60x2.0 | M85x2.0 | M85x2.0 | M100x2.0 | M100x2.0 | M110x2.0 |
| O | 2.362 | 2.598 | 3.701 | 3.701 | 4.252 | 4.252 | 4.724 |
| P | 0.787 | 1.181 | 1.772 | 1.772 | 1.969 | 1.969 | 1.968 |

B210A06, B212A06, BT210A06, and BT212A06 are referred to in Fig 1.
 Draw nut supplied without thread.