

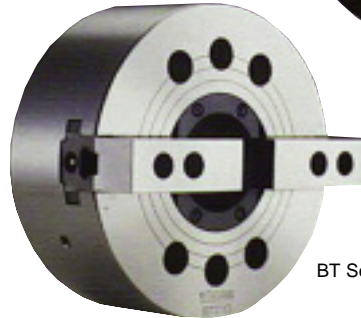
KITAGAWA

B & BT SERIES POWER CHUCKS

Three-jaw and two-jaw wedge style power chucks are ideal for high speed chucking, bar chucking and universal machining. These deliver consistent accuracy and repetitive chucking.

Special Features

- Large thru-hole
- Compact and lightweight
- Strong clamping force
- Direct mount
- High speed
- High accuracy and high endurance



BT Series



B Series

B Series Specifications

B SERIES POWER CHUCKS				
Model	Unit	B-21A15	B-24A11	B-24A15
Code No.		490-060	490-065	490-070
Price \$		18,394.10	21,170.90	21,170.90
Spindle Nose		A2-15	A2-11	A2-15
Thru-Hold	in.	5.512	6.496	6.496
Jaw Stroke (Diameter)	in.	0.417	0.417	0.417
Plunger Stroke	in.	0.906	0.906	0.906
Max. Draw Bar Pull Force	lbs.	19824	19824	19824
Max. Gripping Force	lbs.	51542	51542	51542
Max Speed	rpm	1700	1400	1400
Net Weight	lbs.	528.6	638.8	627.8
GD2	lbs•ft ²	877.2	1628.8	1598.0
Matching Cylinder		F2511H	F2511H	F2511H
Matching Soft Top Jaw		SB18A2	SB18A2	SB18A2
Matching Hard Top Jaw		HB18B2	HB18B2	HB18B2

BT Series Specifications

BT SERIES POWER CHUCKS			
Model	Unit	BT15A08	BT15A11
Code No.		490-105	490-110
Price \$		8,817.30	8,817.30
Spindle Nose	ø in.	A2-8	A2-11
Thru-Hole	In.	4.626	4.626
Jaw Stroke (Diameter)	in.	0.417	0.417
Plunger Stroke	in.	0.906	0.906
Max. Draw Bar Pull Force	lbs.	10352	10352
Max. Gripping Force	lbs.	26432	26432
Max. Speed	rpm	2500	2500
Net Weight	lbs.	234.8	219.6
GD2	lbs•ft ²	199.4	191.1
Matching Cylinder		F2511H	F2511H
Matching Soft Top Jaw		SB15C1	SB15C1

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

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Model B and BT 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 6" to 18": 1.5mm x 60°
 Chuck size 21" and 24": 3mm x 60°

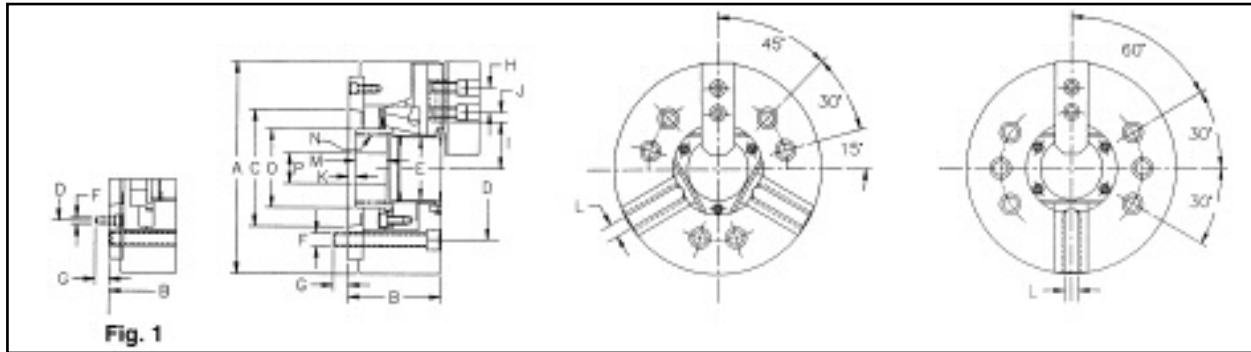
Mounting:

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.

Dimensional Drawings

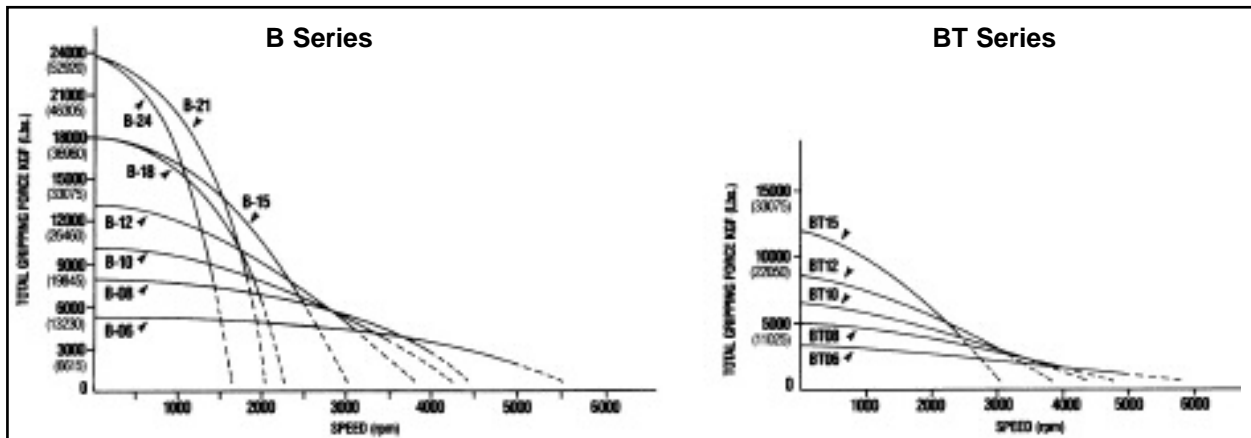


Dimensions (Dimensions in Inches)

Model	B-15A08 BT15A08	B-15A11 BT15A11	B-18A08	B-18A11	B-21A11	B-21A15	B-24A11	B-24A15
A	15.000	15.000	17.717	17.717	20.866	20.866	24.016	24.016
B	6.299	5.866	6.299	5.866	6.890	6.339	7.244	6.693
C	5.501	7.751	5.501	7.751	7.751	11.250	7.751	11.250
D	6.750	9.252	6.750	9.252	9.252	13.000	9.252	13.000
E	4.626	4.626	4.626	4.626	5.512	5.512	6.496	6.496
F	6xM16	6xM20	6xM16	6xM20	6xM20	6xM22	6xM20	6xM22
G	0.945	1.102	0.945	1.102	1.181	1.339	1.181	1.378
H	1.693	1.693	1.693	1.693	2.362	2.362	2.362	2.362
I max.	3.228	3.228	3.228	3.228	3.878	3.878	4.252	4.252
I min.	3.020	3.020	3.020	3.020	3.669	3.669	4.043	4.043
J max.	1.724	1.724	3.083	3.083	3.448	3.448	4.630	4.630
J min.	0.719	0.719	0.719	0.719	0.847	0.847	0.847	0.847
K max.	1.732	1.299	1.732	1.299	2.047	1.496	2.402	1.850
K min.	0.827	0.394	0.827	0.394	1.142	0.591	1.496	0.945
L	0.866	0.866	0.866	0.866	0.984	0.984	0.984	0.984
M	1.299	1.299	1.299	1.299	1.299	1.299	1.378	1.378
N max.	M13x2.0	M130x2.0	M130x2.0	M130x2.0	M155x3.0	M155x3.0	M175x3.0	M175x3.0
O	5.472	5.472	5.472	5.472	6.693	6.693	7.362	7.362
P	2.362	2.362	2.362	2.362	3.150	3.150	3.150	3.150

B-15A08, B-18A08, B-21A11, B-24A11, BT10A06, BT12A06 and BT15A08 are referred to in Fig. 1
 Draw nut is supplied without thread.

Gripping Characteristic Graphs



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B200 & BT200 SERIES POWER CHUCKS

Three-jaw and two-jaw wedge style power chucks deliver up to 20% more speed, gripping force and bore size when compared to conventional chucks. The B200 Series Chucks have the largest bores of any wedge style power chuck. These deliver consistent accuracy and repetitive chucking.

Special Features

- Largest thru-hole
- Compact and lightweight
- Strong clamping force
- Direct mount
- High speed
- High accuracy and high endurance



B Series

BT Series

B200 Specifications

B200 SERIES POWER CHUCKS									
Model	Unit	B204	B205	B206A05	B208A06	B210A06	B210A08	B212A06	B212A08
Code No.		490-200	490-205	490-210	490-215	490-220	490-225	490-230	490-235
Price \$		3,087.80	3,277.70	3,687.00	4,545.20	5,505.90	5,505.90	7,511.90	7,511.90
Spindle Nose		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 (Diameter)	in.	0.213	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.	3150	3930	4846	7808	9471	9471	12115	12115
Max. Gripping Force	lbs.	6400	8090	12555	19292	24449	24449	31718	31718
Max Speed	rpm	8000	77000	6000	5000	4200	4200	3300	3300
Net Weight	lbs.	8.8	14.7	27.1	48.5	81.1	75.1	122.9	117.0
GD2	lbs•ft ²	0.52	1.4	5.2	15.6	29.9	28.9	65.7	64.7
Matching Cylinder		F0933H	F0933H	S1246	S1552	S1875	S1875	S2091	S2091
Matching Soft Top Jaw		SB04N1	SB05N1	SB06B1	SB08B1	SB10B1	SB10B1	SB12N1	SB12N1
Matching Hard Top Jaw		HB04N1	HB05N1	HB06B1	HB08A1	HB10A1	HB10A1	HB12N1	HB12N1

BT200 Specifications

BT200 SERIES POWER CHUCKS									
Model	Unit	BT204	BT205	BT206A05	BT208A06	BT210A06	BT210A08	BT212A06	BT212A08
Code No.		490-245	490-250	490-255	490-260	490-265	490-270	490-275	490-280
Price \$		3,118.80	3,328.30	3,751.80	4,628.10	5,480.60	5,480.60	7,067.40	7,067.40
Spindle Nose	ø 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 (Diameter)	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.	2090.6	2630	3258	5053	6401	6401	8242	8242
Max. Gripping Force	lbs.	4271.2	5390	8535	12577	16621	16621	21562	21562
Max. Speed	rpm	8000	7000	6000	5000	4200	4200	3300	3300
Net Weight	lbs.	8.4	14.3	26.7	45.4	76.2	70.3	112.1	106.2
GD2	lbs•ft ²	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
Matching Soft Top Jaw		SB04N1	SB05N1	SB06B1	SB08B1	SB10B1	SB10B1	SB12N1	SB12N1
Matching Hard Top Jaw		HB04N1	HB05N1	-	-	-	-	-	-

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

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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.

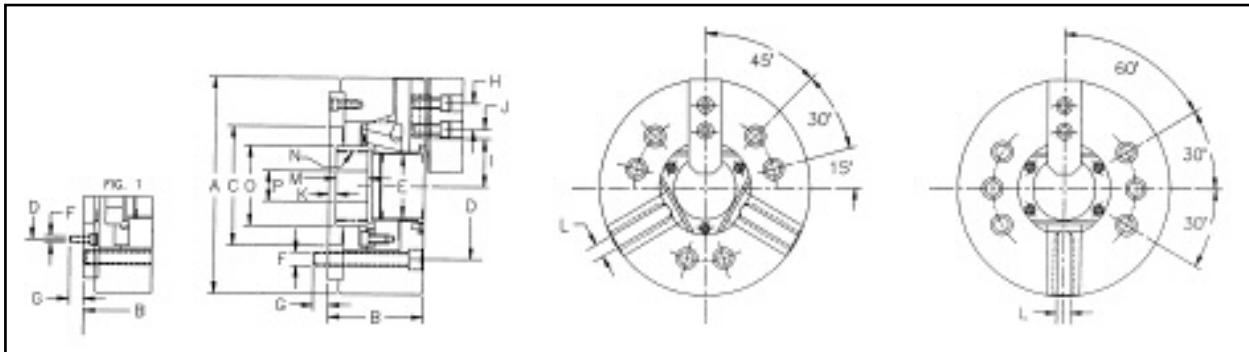
Master Jaw Serration:
Chuck size 6" to 12": 1.5mm x 60°

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.

Lubrication nipple in each base jaw.

Dimensional Drawings



Dimensions (in Inches)

Model	B206A05 BT206A05	B208A06 BT208A06	B210A06 BT210A06	B210A08 BT210A08	B212A06 BT212A06	B212A08 BT212A08
A	6.654	8.268	10.000	10.000	11.969	11.969
B	3.583	4.055	4.724	4.449	5.079	4.803
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
E	1.772	2.047	2.953	2.953	3.583	3.583
F	6xM10	6xM12	6xM12	6xM16	6xM12	6xM16
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
I max.	1.260	1.524	2.008	2.008	2.413	2.413
I min.	1.152	1.378	1.835	1.835	2.205	2.205
J max.	0.896	1.171	1.329	1.329	1.803	1.803
J min.	0.364	0.581	0.561	0.561	0.621	0.621
K max.	1.024	1.240	1.319	1.043	1.299	1.024
K min.	0.551	0.610	0.571	0.295	0.394	0.118
L	0.472	0.551	0.630	0.630	0.827	0.827
M	0.591	0.650	0.787	0.787	0.906	0.906
N max.	M55x2.0	M60x2.0	M85x2.0	M85x2.0	M100x2.0	M100x2.0
O	2.362	2.598	3.701	3.701	4.252	4.252
P	0.787	1.181	1.772	1.772	1.969	1.969

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

Gripping Characteristic Graphs

