



CHUCK

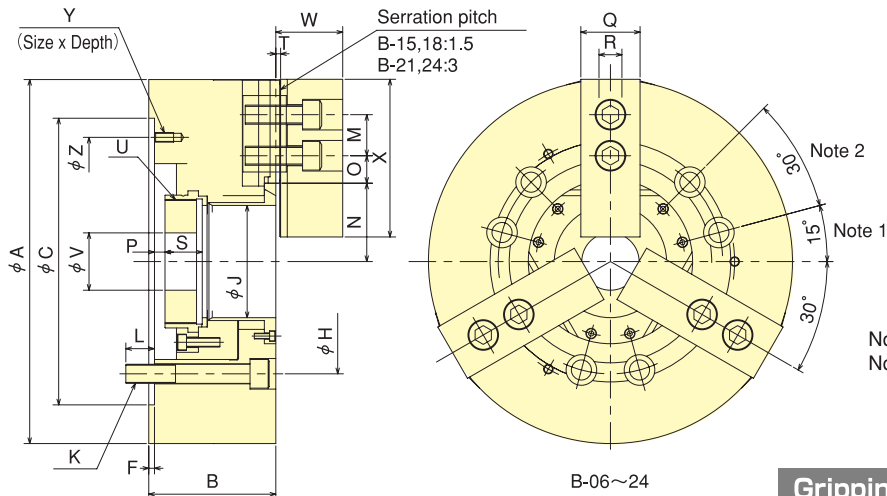
Large Thru-Hole Power Chuck

B series

Stably machining even a large work
Globally acknowledged large standard chuck

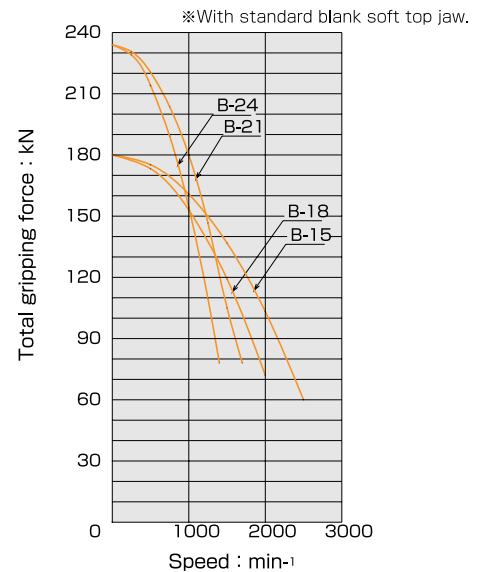


Dimensional Drawings



Note 1) B-21, 24 : 0°
Note 2) B-21, 24 : 60°

Gripping Characteristic Graphs



Dimensions ※Blank draw nut equipped.

Dimensions Model	A	B	C (H6)	F	H	J	K	L	M	N max.	N min.	O max.	O min.	P max.	P min.	Q	R	S	T	U max.	V	W	X	Y	Z
B-15	381	133	300	6	235.0	117.5	6-M20	30	43	82	76.7	43.75	18.25	11	-12	62	22	39	5	M130×2.0	60	70	165	M10×20	260
B-18	450	133	380	6	235.0	117.5	6-M20	30	43	82	76.7	78.25	18.25	11	-12	62	22	39	5	M130×2.0	60	70	165	M10×20	320
B-21	530	140	380	6	330.2	140	6-M22	31	60	98.5	93.2	87.5	21.5	11	-12	65	25	39	5	M155×3.0	80	73	180	M12×30	330.2
B-24	610	149	380	6	330.2	165	6-M22	32	60	108	102.7	117.5	21.5	20	-3	65	25	40	5	M175×3.0	80	73	180	M12×25	330.2

Specifications

Specifications Model	Thru-Hole mm	Gripping range mm Max.	Gripping range mm Min.	Jaw Stroke (diameter) mm	Plunger Stroke mm	Max. Draw Bar Pull Force kN (kgf)	Max. Gripping Force kN (kgf)	Max. Speed min ⁻¹ (r.p.m)	Net Weight with Soft top jaws kg	Moment of inertia kg·m ²	Matching Cylinder	Max. pressure MPa(kgf/cm ²)	Matching Hard top jaw	Matching Soft top jaw
B-15	117.5	381	30	10.6	23	71 (7240)	180(18355)	2500	120	2.273	F2511H	2.3 (23.5)	HB15A1	SB15C1
B-18	117.5	450	30	10.6	23	71 (7240)	180(18355)	2000	164	4.451	F2511H	2.3 (23.5)	HB15A1	SB15C1
B-21	140	530	87	10.6	23	90 (9177)	234(23861)	1700	235	8.95	F2511H	3.0 (30.6)	HB18B2	SB18A2
B-24	165	610	109	10.6	23	90 (9177)	234(23861)	1400	293	16.60	F2511H	3.0 (30.6)	HB18B2	SB18A2



CHUCK

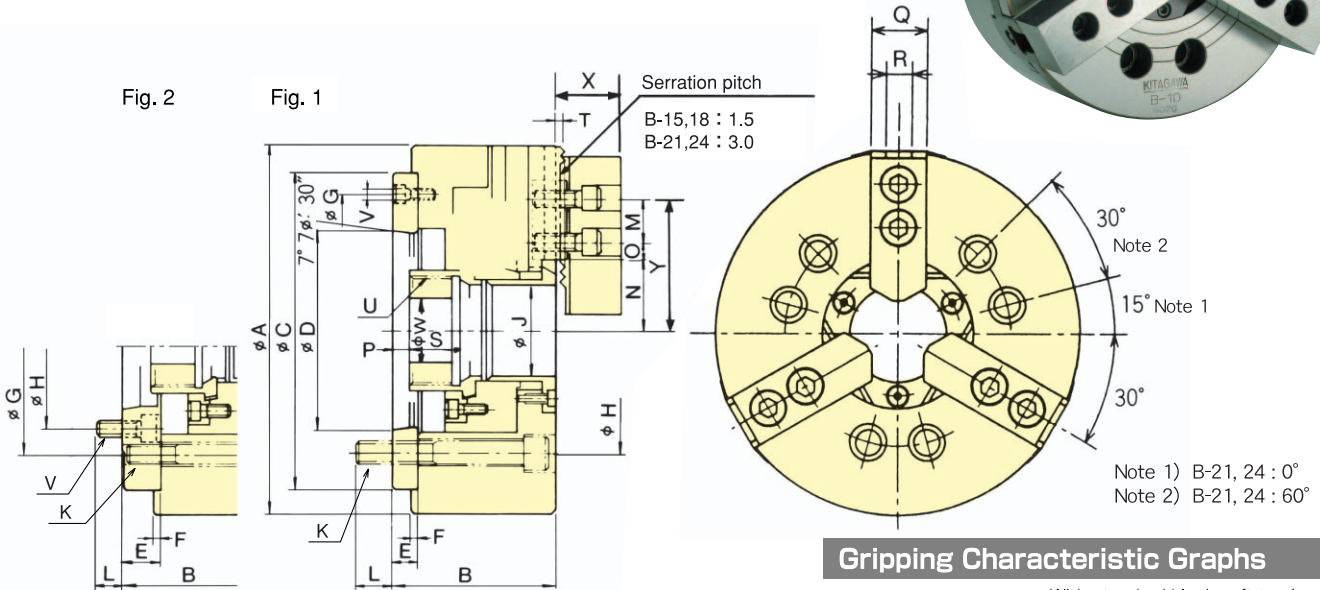
Large Thru-Hole Power Chuck (Direct Mount) B-A series

Chuck Adaptor suit to Spindle Nose is equipped
Globally acknowledged large standard chuck

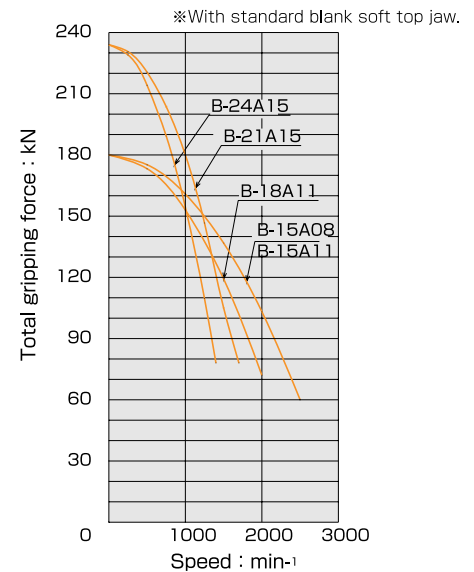


Standard Chuck

Dimensional Drawings



Gripping Characteristic Graphs



Dimensions

*B-15A08 is referred to in Fig.2. *Blank draw nut equipped.

Model	Dimensions																										
	A	B	C	D	E	F	G	H	J	K	L	M	N max.	N min.	O max.	O min.	P max.	P min.	Q	R	S	T	U max.	V	W	X	Y
B-15A08	381	160	300	139.719	33	6	235	171.4	117.5	6-M20	24	43	82	76.7	43.75	18.25	44	21	62	22	43	5	M130x2.0	6-M16	60	70	165
B-15A11	381	149	300	196.869	22	6	260	235.0	117.5	6-M20	28	43	82	76.7	43.75	18.25	33	10	62	22	39	5	M130x2.0	3-M10	60	70	165
B-18A11	450	149	380	196.869	22	6	320	235.0	117.5	6-M20	28	43	82	76.7	78.25	18.25	33	10	62	22	39	5	M130x2.0	3-M10	60	70	165
B-21A15	530	161	380	285.775	27	6	330.2	330.2	140	6-M22	34	60	98.5	93.2	87.5	21.5	38	15	65	25	39	5	M155x3.0	3-M12	80	73	180
B-24A15	610	170	380	285.775	27	6	330.2	330.2	165	6-M22	35	60	108	102.7	117.5	21.5	47	24	65	25	40	5	M175x3.0	3-M12	80	73	180

Specifications

Model	Spindle nose size	Thru-Hole mm	Gripping range mm		Jaw Stroke (diameter) mm	Plunger Stroke mm	Max. Draw Bar Pull Force kN (kgf)	Max. Gripping Force kN (kgf)	Max. Speed min ⁻¹ (r.p.m)	Net Weight with Soft top jaws kg	Moment of inertia kg·m ²	Matching Cylinder	Max. pressure MPa (kgf/cm ²)	Matching Hard top jaw	Matching Soft top jaw
			Max.	Min.											
B-15A08	A2-8	117.5	381	30	10.6	23	71 (7240)	180(18355)	2500	134	2.470	F2511H	2.3 (23.5)	HB15A1	SB15C1
B-15A11	A2-11	117.5	381	30	10.6	23	71 (7240)	180(18355)	2500	127	2.385	F2511H	2.3 (23.5)	HB15A1	SB15C1
B-18A11	A2-11	117.5	450	30	10.6	23	71 (7240)	180(18355)	2000	178	4.775	F2511H	2.3 (23.5)	HB15A1	SB15C1
B-21A15	A2-15	140	530	87	10.6	23	90 (9177)	234(23861)	1700	246	9.25	F2511H	3.0 (30.6)	HB18B2	SB18A2
B-24A15	A2-15	165	610	109	10.6	23	90 (9177)	234(23861)	1400	304	16.85	F2511H	3.0 (30.6)	HB18B2	SB18A2