



CHUCK

Large Thru-Hole Power Chuck

BB200 series

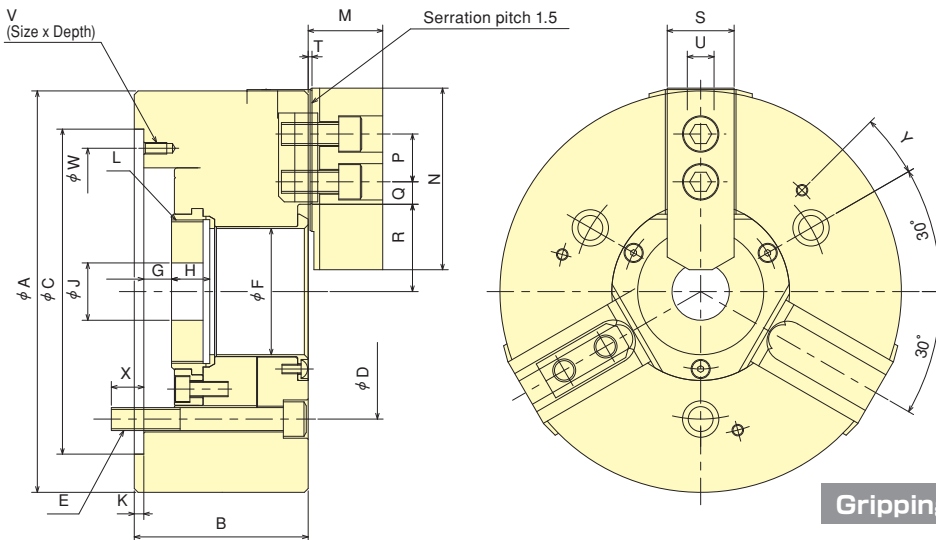
Stable machining even for large diameter bar material
Universally recognised standard chuck

- Standard Soft Jaw can be used for B-200 series as well
- Large through-hole
 6 inch ϕ 53 · 8 inch ϕ 66
 10inch ϕ 81 · 12inch ϕ 106
- *CE correspondence

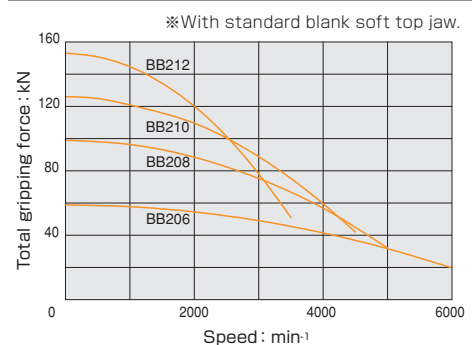


Standard Chuck

Dimensional Drawings



Gripping Characteristic Graphs



Dimensions

※Blank draw nut equipped.

Dimensions	A	B	C (H6)	D	E	F	G max.	G min.	H	J	K	L max.	M	N	P	Q max.	Q min.	R max.	R min.	S	T	U	V	W	X	Y
Model																										
BB206	170	81	140	104.8	3-M10	53	11	-1	17.5	20	5	M60x2	33.2	72	20	21.25	10.75	36	33.25	31	2	12	M6x10	116	16	-30°
BB208	210	91	170	133.4	3-M12	66	14.5	-1.5	20	30	5	M75x2	39	95	25	23.75	11.75	45.7	42	35	2	14	M6x12	150	17	15°
BB210	254	100	220	171.4	3-M16	81	8.5	-10.5	25	45	5	M90x2	43.2	110	30	32.25	14.25	54	49.6	40	2	16	M8x15	190	22	-15°
BB212	315	108	300	235	3-M20	106	8	-15	28	50	6	M115x2	51.7	111	30	45.75	15.75	67.8	62.5	50	2.5	21	M10x16	260	29	-15°

Specifications

※Gripping dia./gripping range is with standard soft jaws.

Specifications	Thru-Hole	Gripping range		Jaw Stroke	Plunger Stroke	Max. Draw Bar	Max. Gripping	Max. Speed	Net Weight	Moment of	Matching	Max. pressure	Matching
Model	mm	mm	mm	(diameter)	mm	Pull Force	Force	min⁻¹	with Soft top jaws	inertia	Cylinder	MPa	Soft top jaw
BB206	53	170	20	5.5	12	20	58.5	6000	11.7	0.050	SS1453K	1.88	SJ06B1
BB208	66	210	23	7.4	16	32	99	5000	23	0.143	SS1666K	2.34	SJ08B1
BB210	81	254	41	8.8	19	48.8	126	4500	31.8	0.312	SS1881K	3.09	SJ10B1
BB212	106	315	49	10.6	23	59	153	3500	52	0.736	SS2110K	2.94	SJ12N1



CHUCK

Large Thru-Hole Power Chuck (Direct Mount)

BB200A series

Chuck Adaptor is equipped to suit Spindle Nose
Universally recognised standard chuck

*CE correspondence



Standard Chuck

Dimensional Drawings

Fig.2

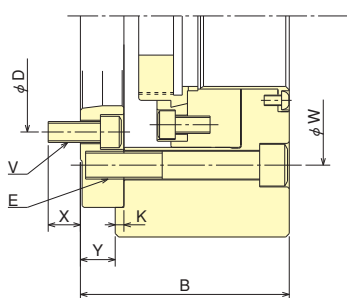
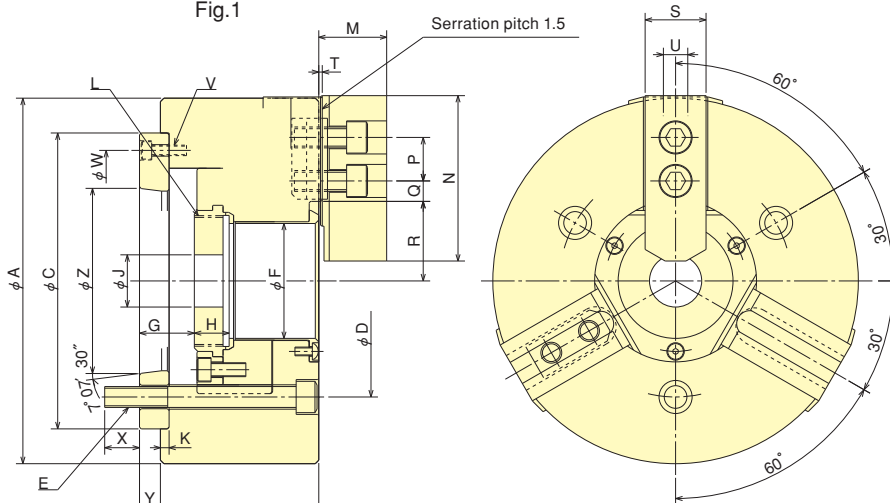
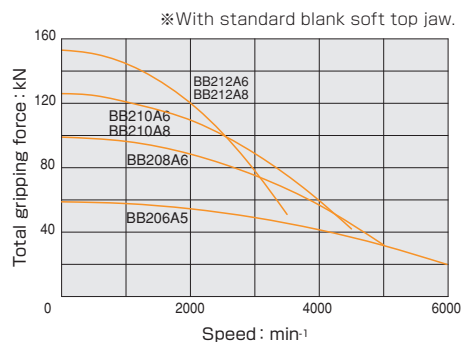


Fig.1



Gripping Characteristic Graphs



Dimensions

*BB210A6, BB212A6, and BB212A8 are based on Fig. 2. *Blank draw nut equipped.

Model	A	B	C	D	E	F	G max.	G min.	H	J	K	L max.	M	N	P	Q max.	Q min.	R max.	R min.	S	T	U	V	W	X	Y	Z
BB206A5	170	91	140	104.8	3-M10	53	26	14	17.5	20	5	M60x2	33.2	72	20	21.25	10.75	36	33.25	31	2	12	3-M6	116	16	10	82.563
BB208A6	210	103	170	133.4	3-M12	66	31.5	15.5	20	30	5	M75x2	39	95	25	23.75	11.75	45.7	42	35	2	14	3-M6	150	20	12	106.375
BB210A6	254	120	220	133.4	3-M16	81	33.5	14.5	25	45	5	M90x2	43.2	110	30	32.25	14.25	54	49.6	40	2	16	6-M12	171.4	18.5	20	106.375
BB210A8	254	113	220	171.4	3-M16	81	26.5	7.5	25	45	5	M90x2	43.2	110	30	32.25	14.25	54	49.6	40	2	16	3-M8	190	24	13	139.719
BB212A6	315	148	300	133.4	3-M20	106	54	31	28	50	6	M115x2	51.7	111	30	45.75	15.75	67.8	62.5	50	2.5	21	9-M12	235	24	40	106.375
BB212A8	315	135	300	171.4	3-M20	106	41	18	28	50	6	M115x2	51.7	111	30	45.75	15.75	67.8	62.5	50	2.5	21	6-M16	235	24	27	139.719

Specifications

*Gripping dia./gripping range is with standard soft jaws.

Model	Thru-Hole mm	Gripping range mm	Jaw Stroke (diameter) mm	Plunger Stroke mm	Max. Draw Bar Pull Force kN	Max. Gripping Force kN	Max. Speed min⁻¹	Net Weight with Soft top jaws kg	Moment of inertia kg·m²	Matching Cylinder	Max. pressure MPa	Matching Soft top jaw	Spindle nose size
BB206A5	53	170 20	5.5	12	20	58.5	6000	12.7	0.051	SS1453K	1.88	SJ06B1	A2-5
BB208A6	66	210 23	7.4	16	32	99	5000	25	0.143	SS1666K	2.34	SJ08B1	A2-6
BB210A6	81	254 41	8.8	19	48.8	126	4500	37.6	0.355	SS1881K	3.09	SJ10B1	A2-6
BB210A8	81	254 41	8.8	19	48.8	126	4500	34.7	0.317	SS1881K	3.09	SJ10B1	A2-8
BB212A6	106	315 49	10.6	23	59	153	3500	68.5	0.945	SS2110K	2.94	SJ12N1	A2-6
BB212A8	106	315 49	10.6	23	59	153	3500	66.4	0.933	SS2110K	2.94	SJ12N1	A2-8