Large Thru-Hole High Speed Power Chuck (Direct Mount)
BS300A series

Equipped with Chuck Adaptor to suit Spindle Nose
Standard chuck for next generation

Dimensional Drawings

Fig. 1

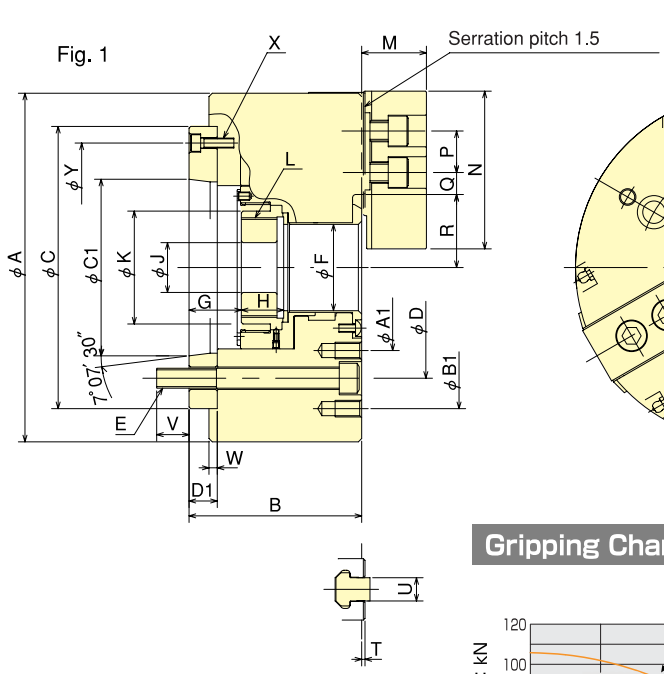
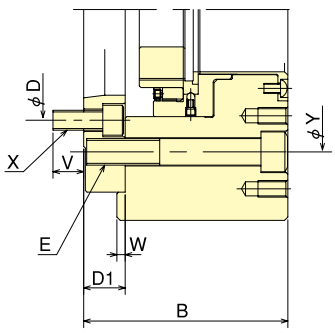
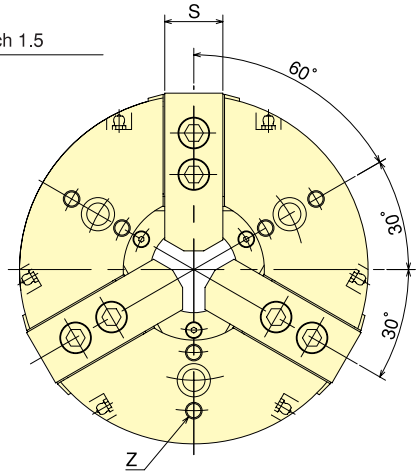


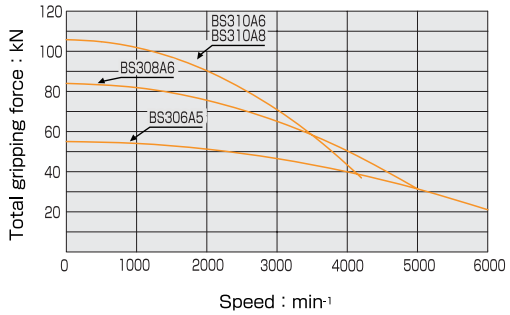
Fig. 2





Gripping Characteristic Graphs

※With standard blank soft top jaw.



Dimensions ※BS310A6 is refered to in Fig.2. ※Blank draw nut equipped.

Dimensions / 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	A1	B1	C1	D1
BS306A5	169	95	140	104.8	3-M10	45	26	14	20	20	61	M55×2.0	29	66	20	21.25	9.25	35	32.25	26	2	12	16.5	5	3-M 6	116	3×2-M8	77.5	140	82.563	15
BS308A6	210	104	170	133.4	3-M12	52	31.5	17.5	25.5	30	68	M60×2.0	39	95	25	23.75	11.75	44	40.25	35	2	14	19.5	5	3-M 6	150	3×2-M10	100	170	106.375	17
BS310A6	254	123	220	133.4	3-M16	75	33.5	16.5	32.5	45	94	M85×2.0	43	110	30	30.75	11.75	55	50.45	40	2	16	18.5	5	6-M12	171.4	3×2-M10	128	216	106.375	25
BS310A8	254	116	220	171.4	3-M16	75	26.5	9.5	32.5	45	94	M85×2.0	43	110	30	30.75	11.25	55	50.45	40	2	16	25.2	5	3-M 8	190	3×2-M10	128	216	139.719	18

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·m²	Matching Cylinder	Max. pressure MPa(kgf/cm²)	Matching Hard top jaw	Matching Soft top jaw	Spindle nose size
BS306A5	45	169	25	5.5	12	22.0 (2243)	55.0 (5610)	6000	12.7	0.063	S1246	2.80 (28.6)	HB06B1	SB06L1A	A2-5
BS308A6	52	210	18	7.5	14	34.8 (3549)	84.0 (8570)	5000	24.4	0.135	S1552	2.65 (27.0)	HB08A1	SB08B1	A2-6
BS310A6	75	254	33	9.1	17	43.0 (4385)	105.8 (10795)	4200	40.3	0.368	S1875	2.70 (27.5)	HB10A1	SB10B1	A2-6
BS310A8	75	254	33	9.1	17	43.0 (4385)	105.8 (10795)	4200	37.8	0.353	S1875	2.70 (27.5)	HB10A1	SB10B1	A2-8