



CHUCK

Large Thru-Hole High Speed Power Chuck BS300 series

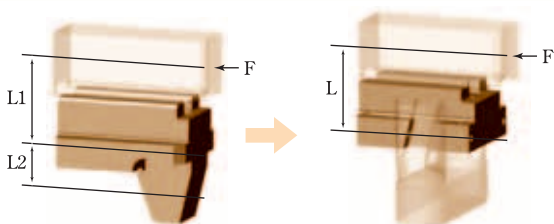
Reduced Jaw Lift

The next generation chucking standard



- Compatible with B-200 series
- 30% drop in bending moment of Master-Jaw

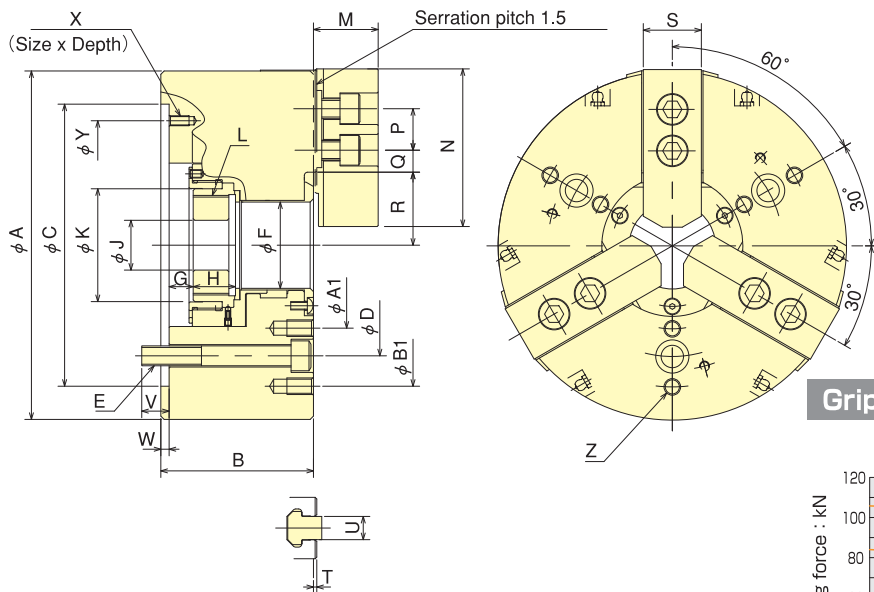
30% Jaw lift reduction by side wedge design.
(Conventional Company Products : B-200 SERIES)



Existing Master-Jaw Side Wedge designed Master-Jaw

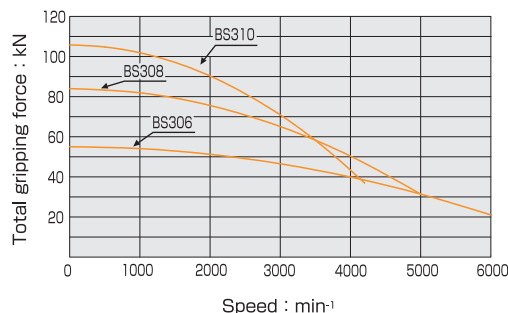
$$F (L1 + L2) \gg F \times L \approx 1.3 : 1$$

Dimensional Drawings



Gripping Characteristic Graphs

※With standard blank soft top jaw.



Dimensions ※Blank draw nut equipped.

Dimensions Model	A	B	C (H6)	D	E	F	G max.	G min.	H	J	K	L max.	M	N	P	Q max.	Q min.	Q max.	R min.	S	T	U	V	W	X	Y	Z	A1	B1
BS306	169	85	140	104.8	3-M10	45	11	-1	20	20	61	M55×2	29	66	20	21.25	9.25	35	32.25	26	2	12	16.5	5	M6×10	116	3×2-M8	77.5	140
BS308	210	92	170	133.4	3-M12	52	14.5	0.5	25.5	30	68	M60×2	39	95	25	23.75	11.75	44	40.25	35	2	14	16.5	5	M6×12	150	3×2-M10	100	170
BS310	254	103	220	171.4	3-M16	75	8.5	-8.5	32.5	45	94	M85×2	43	110	30	30.75	11.25	55	50.45	40	2	16	23.2	5	M8×15	190	3×2-M10	128	216

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 (kef)	Max. Gripping Force kN (kef)	Max. Speed min⁻¹	Net Weight with Soft top jaws kg	Moment of inertia kg·m²	Matching Cylinder	Max. pressure MPa (kef/cm²)	Matching Hard top jaw	Matching Soft top jaw
BS306	45	169	25	5.5	12	22 (2243)	55 (5610)	6000	11.5	0.060	S1246	2.8 (28.6)	HB06B1	SBO6L1A
BS308	52	210	18	7.5	14	34.8 (3549)	84 (8570)	5000	22.5	0.125	S1552	2.65 (27.0)	HB08B1	SBO8B1
BS310	75	254	33	9.1	17	43 (4385)	105.8 (10795)	4200	34.5	0.325	S1875	2.7 (27.5)	HB10AA1	SB10B1