



CHUCK

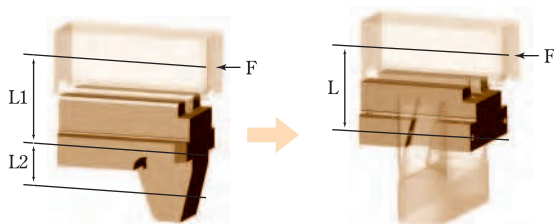
Large Thru-Hole High Speed Power Chuck BS300 series

Reduced Jaw Lift The next generation chucking standard



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

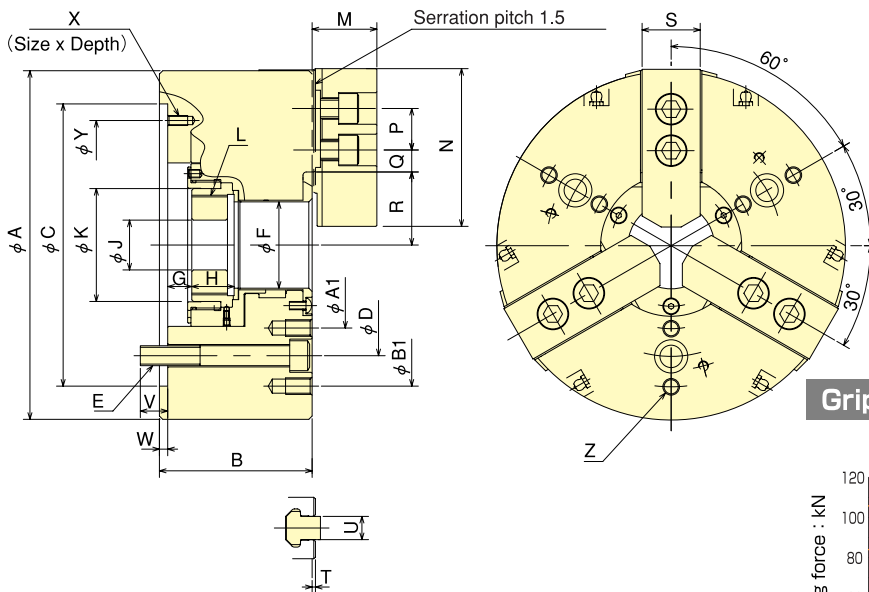
30% Jaw lift reduction by side wedge design.
(Conventional Company Products : B-200 SERIES)



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

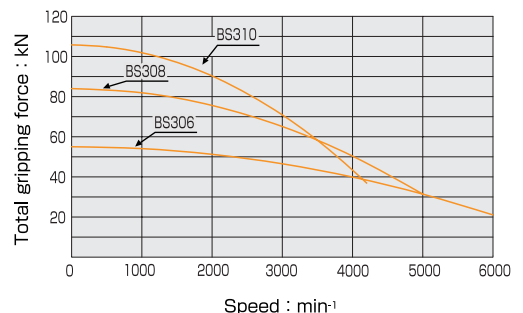
Existing Master-Jaw Side Wedge designed Master-Jaw

Dimensional Drawings



Gripping Characteristic Graphs

※With standard blank soft top jaw.



Dimensions ※Blank draw nut equipped.

Model	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	Z	A1	B1	
BS306	169	85	140	104.8	3-M10	45	11	-	1	20	20	61	M55x2.0	29	66	20	21.25	9.25	35	32.25	26	2	12	16.5	5	M6x10	116	3x2-M8	77.5	140
BS308	210	92	170	133.4	3-M12	52	14.5	0.5	25.5	30	68	M60x2.0	39	95	25	23.75	11.75	44	40.25	35	2	14	16.5	5	M6x12	150	3x2-M10	100	170	
BS310	254	103	220	171.4	3-M16	75	8.5	-	8.5	32.5	45	94	M85x2.0	43	110	30	30.75	11.25	55	50.45	40	2	16	23.2	5	M8x15	190	3x2-M10	128	216

Specifications

Model	Thru-Hole mm	Gripping range mm Max. 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
BS306	45	169 25	5.5	12	22.0 (2243)	55.0 (5610)	6000	11.5	0.060	S1246	2.80 (28.6)	HB06B1	SB06L1A
BS308	52	210 18	7.5	14	34.8 (3549)	84.0 (8570)	5000	22.5	0.125	S1552	2.65 (27.0)	HB08A1	SB08B1
BS310	75	254 33	9.1	17	43.0 (4385)	105.8 (10795)	4200	34.5	0.325	S1875	2.70 (27.5)	HB10A1	SB10B1