



CHUCK

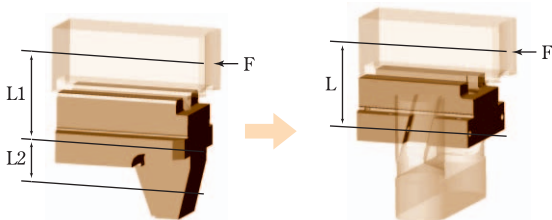
Large Thru-Hole High Speed Power Chuck BS300 series

Jaw Lift reduced Standard chuck for next-generation



- Compatible with B-200 series
- 30% Down for Bending-moment of Master-Jaw !! (Registered Patent)

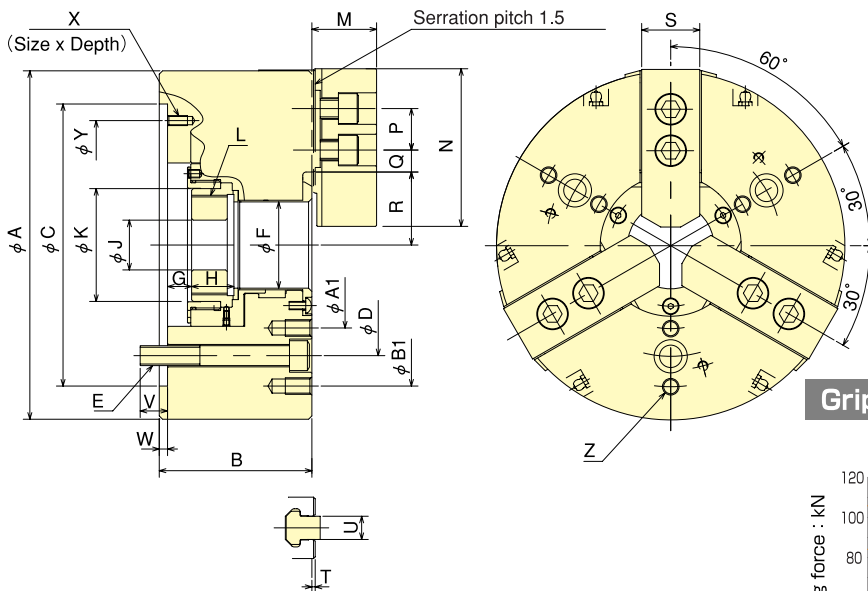
30% Jaw lift will be decreased by side-wedge design.
(Conventional Company Products : B-200 SERIES)



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

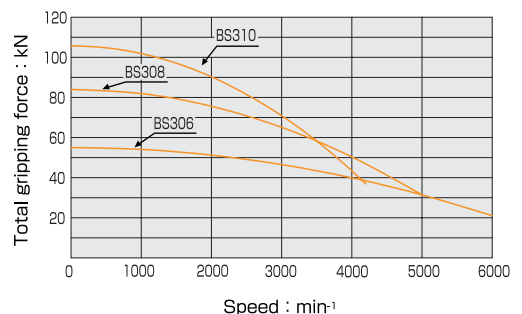
Existing Master-Jaw Side Wedge designed Master-Jaw

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 (2243)	55 (5610)	6000	11.5	0.060	S1246	2.8 (28.6)	HB06B1	SB06L1A
BS308	52	210 18	7.5	14	34.8 (3549)	84 (8570)	5000	22.5	0.125	S1552	2.65 (27)	HB08A1	SB08B1
BS310	75	254 33	9.1	17	43 (4385)	105.8 (10795)	4200	34.5	0.325	S1875	2.7 (27.5)	HB10A1	SB10B1



CHUCK

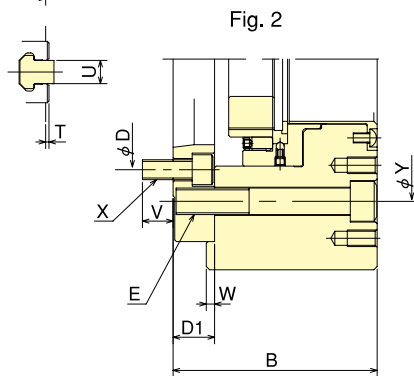
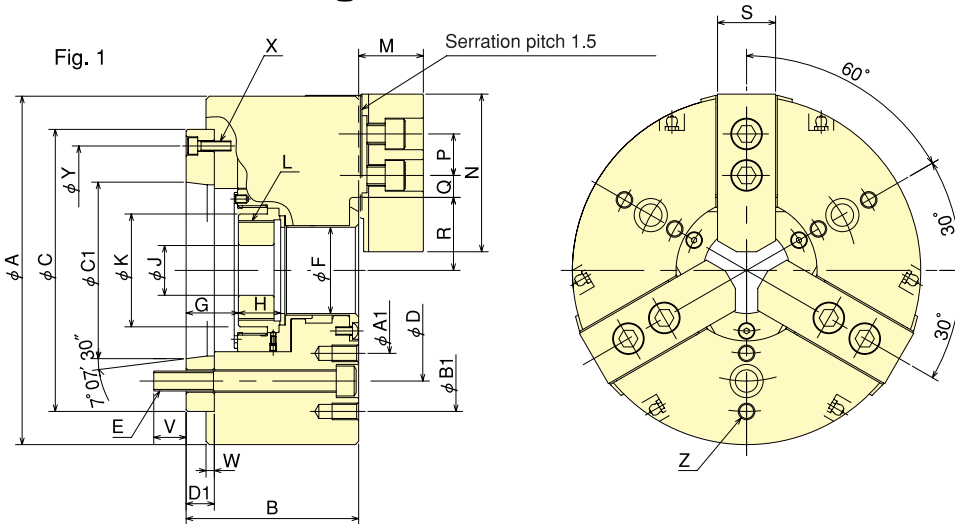
Large Thru-Hole High Speed Power Chuck (Direct Mount) BS300A series

Chuck Adaptor suit to Spindle Nose is equipped
Standard chuck for next-generation



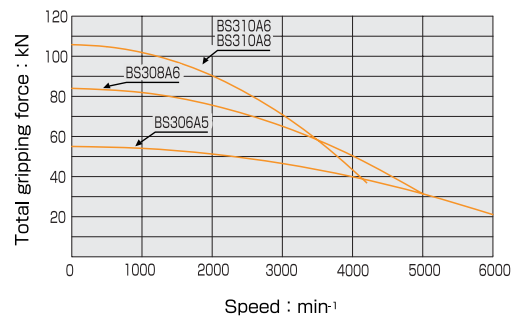
Standard Chuck

Dimensional Drawings



Gripping Characteristic Graphs

*With standard blank soft top jaw.



Dimensions

*BS310A6 is referred 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	M55x20	29	66	20	21.25	9.25	35	32.25	26	2	12	16.5	5	3-M 6	116	3x2-M8	77.5	140	82.563	15
BS308A6	210	104	170	133.4	3-M12	52	31.5	17.5	25.5	30	68	M60x20	39	95	25	23.75	11.75	44	40.25	35	2	14	19.5	5	3-M 6	150	3x2-M10	100	170	106.375	17
BS310A6	254	123	220	133.4	3-M16	75	33.5	16.5	32.5	45	94	M85x20	43	110	30	30.75	11.75	55	50.45	40	2	16	18.5	5	6-M12	171.4	3x2-M10	128	216	106.375	25
BS310A8	254	116	220	171.4	3-M16	75	26.5	9.5	32.5	45	94	M85x20	43	110	30	30.75	11.25	55	50.45	40	2	16	25.2	5	3-M 8	190	3x2-M10	128	216	139.719	18

Specifications

Specifications Model	Spindle nose size	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
BS306A5	A2-5	45	169	25	5.5	12	22 (2243)	55 (5610)	6000	12.7	0.063	S1246	2.8 (28.6)	HB06B1	SB06L1A
BS308A6	A2-6	52	210	18	7.5	14	34.8(3549)	84 (8570)	5000	24.4	0.135	S1552	2.65 (27)	HB08A1	SB08B1
BS310A6	A2-6	75	254	33	9.1	17	43 (4385)	105.8(10795)	4200	40.3	0.368	S1875	2.7 (27.5)	HB10A1	SB10B1
BS310A8	A2-8	75	254	33	9.1	17	43 (4385)	105.8(10795)	4200	37.8	0.353	S1875	2.7 (27.5)	HB10A1	SB10B1