



CHUCK

High Precision Thru-Hole Power Chuck

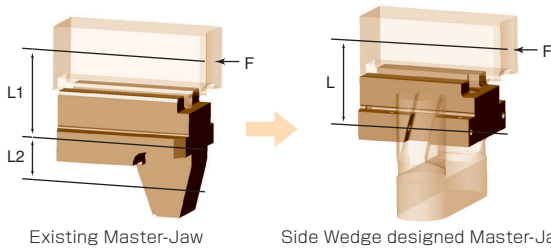
BS300 series

Reduced Jaw Lift Standard chuck for next generation



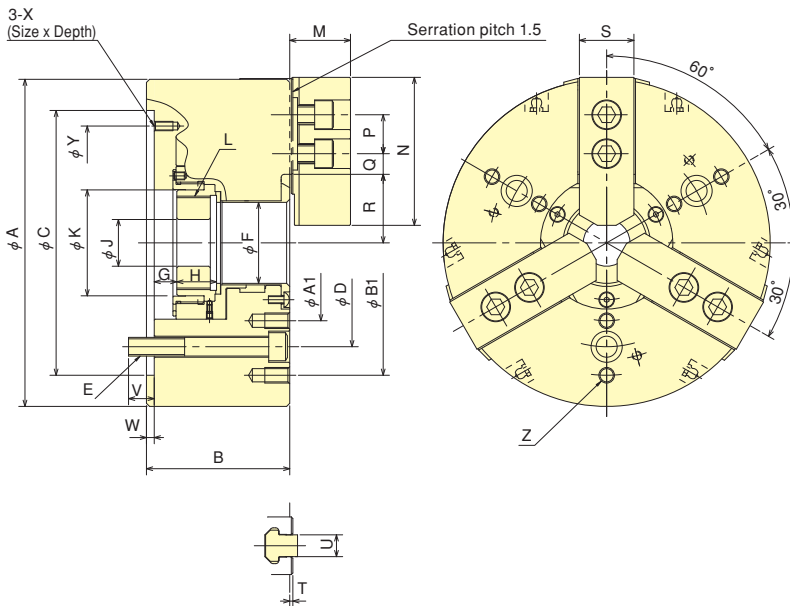
- Compatible with B-200 series
- 30% drop in bending moment of Master-Jaw
30% Jaw lift reduction by side wedge design.
(Conventional Company Products : B-200 SERIES)

*CE correspondence

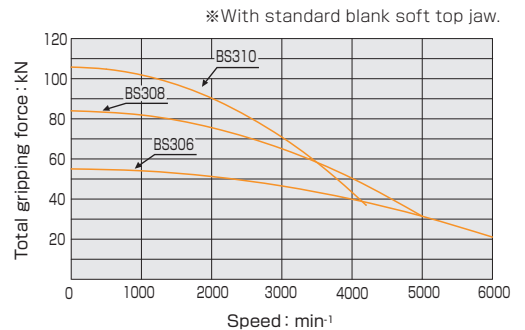


$$F(L_1 + L_2) : F \times L \doteq 1.3 : 1$$

Dimensional Drawings



Gripping Characteristic Graphs



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	1048	3-M10	45	11	-1	20	20	61	M55x2	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	1334	3-M12	52	14.5	0.5	25.5	30	68	M60x2	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	1714	3-M16	75	8.5	-8.5	32.5	45	94	M85x2	43	110	30	30.75	11.25	55	50.45	40	2	16	23.2	5	M8x15	190	3x2-M10	128	216

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

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	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 Hard top jaw	Matching Soft top jaw
BS306	45	169	26	5.5	12	22	55	6000	11.5	0.060	S1246	2.8	HB06B1	SJ06L1A
BS308	52	210	19	7.5	14	34.8	84	5000	22.5	0.125	S1552	2.65	HB08B1	SJ08B1
BS310	75	254	34	9.1	17	43	105.8	4200	34.5	0.325	S1875	2.7	HB10AA1	SJ10B1

Standard Chuck



CHUCK

High Precision Thru-Hole Power Chuck (Direct Mount)

BS300A series

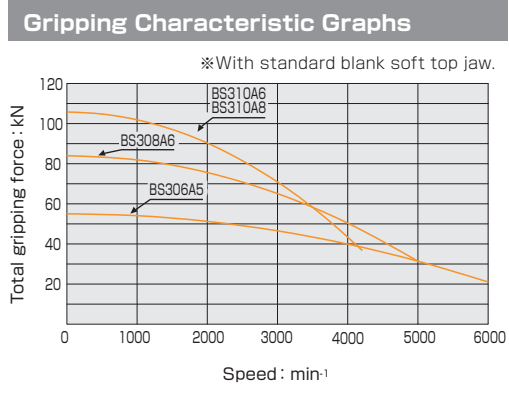
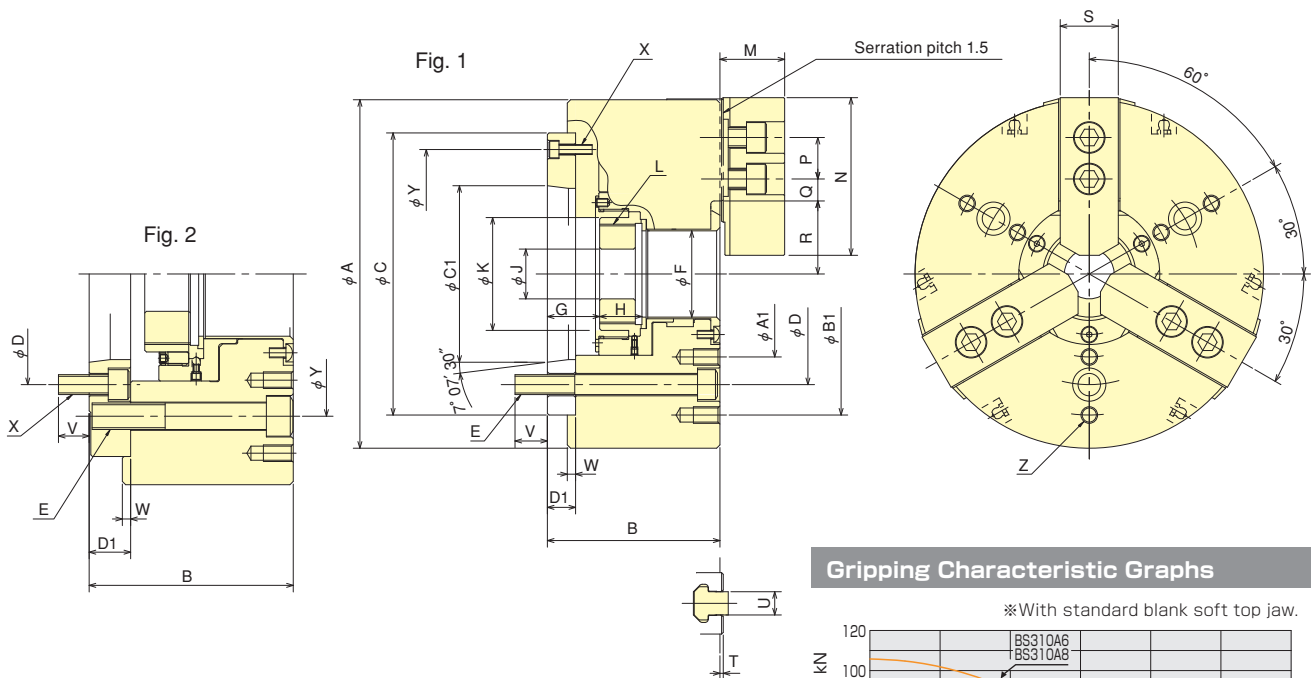
Equipped with Chuck Adaptor to suit Spindle Nose
Standard chuck for next generation

*CE correspondence



Standard Chuck

Dimensional Drawings



Dimensions *BS310A6 is referred to in 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.	Q max.	R min.	S	T	U	V	W	X	Y	Z	A1	B1	C1	D1
BS306A5	169	95	140	104.8	3M10	45	26	14	20	20	61	M55x2	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	3M12	52	31.5	17.5	25.5	30	68	M60x2	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	3M16	75	33.5	16.5	32.5	45	94	M85x2	43	110	30	30.75	11.25	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	3M16	75	26.5	9.5	32.5	45	94	M85x2	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 *Gripping dia./gripping range is with standard soft jaws.

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	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 Hard top jaw	Matching Soft top jaw	Spindle nose size
BS306A5	45	169	26	5.5	12	22	55	6000	12.7	0.063	S1246	2.8	HB06B1	SJ06L1A	A2-5
BS308A6	52	210	19	7.5	14	34.8	84	5000	24.4	0.135	S1552	2.65	HB08A1	SJ08B1	A2-6
BS310A6	75	254	34	9.1	17	43	105.8	4200	40.3	0.368	S1875	2.7	HB10A1	SJ10B1	A2-6
BS310A8	75	254	34	9.1	17	43	105.8	4200	37.8	0.353	S1875	2.7	HB10A1	SJ10B1	A2-8