

BH-M High Precision Power Chucks

BH-M: Master Jaws with Metric Serration (1.5mm x 60°)

- Suitable for Kitagawa top jaws
- Large through hole
- 3-Jaws

Standard Equipment:

- 3-Jaw chuck
- 1 Set T-nuts w/ bolts
- 1 Set soft top jaws
- Mounting bolts
- Grease gun

Technical Features:

- Gripping force transmission via wedge hook
- Case hardened body to assure greatest precision and long chuck life
- 2 and 3-Jaw version available in all diameters
- 4-Jaw available starting from 165mm diameters



SMW-AutoBlok Model No	BH-M 130	BH-M 165	BH-M 210	BH-M 250	BH-M 315
Code No.	485350	485355	485360	485365	485370
Price \$	3,933.38	4,520.81	5,341.01	5,932.38	11,082.47
Size	130mm	165mm	210mm	250mm	315mm
Number of Jaws	3	3	3	3	3
Through hole	mm 32	43	52	66	95
Radial jaw stroke	mm 3.2	3.2	4	5	5
Wedge stroke	mm 15	15	19	26	24
Max. draw-pull	kN 15	17	25	34	40
Max. gripping force	kN 60	70	110	145	175
Max. speed	rpm 7000	6000	5000	4000	3200
Mass (w/out top jaws)	kg 5	9.5	19	30	46
Moment of inertia	kgm ² 0.012	0.036	0.12	0.27	0.62
Recommended Cylinders	SIN-S 100 VSNC 101-39	SIN-S 85/100 VSNC 80-32	SIN-S 100/125 VSNC 140-52	SIN-S 125/150 VSNC 180-67	SIN-S 125/150 VSNC 240-95

BB-D & BB-M High Precision Power Chucks

BB-D: Inch Serration (1/16" x 90°)

BB-M: Metric Serration (1.5mm x 60°)

- Suitable for Kitagawa top jaws, metric serration
- For open centre or partial open centre clamping
- For machines with very large spindle bore

Standard Equipment:

- 3-Jaw chuck
- 1 Set T-nuts w/ bolts
- 1 Set soft top jaws
- Mounting bolts
- Grease gun

Technical Features:

- Extra large through hole
- Gripping force transmission via wedge hook
- Case hardened body to assure greatest precision and long chuck life



The diagrams refer to 3-Jaw chucks. The maximum gripping force is the total, acting on the 3-Jaws, obtained by applying to the chuck the maximum allowed traction to the draw bar. The data refers to a chuck in good conditions, using SMW-AutoBlok K05 grease.

The dynamic gripping forces have been measured using the standard soft top jaws placed in the most external position, but not exceeding the outer diameter of the chuck. Using larger and heavier jaws and/or in a more external position, it is necessary to reduce the rotation speed.

SMW-AutoBlok Model No.	BB-D 140	BB-M 140	BB-D 175	BB-M 175	BB-D 210	BB-M 210	BB-D 250	BB-M 250	BB-D 315	BB-M 315
Code No.	485300	485302	485305	485307	485310	485312	485315	485317	485320	485322
Price \$	4,483.20	4,483.20	5,352.60	5,352.60	5,827.19	6,919.70	6,137.21	7,575.24	12,852.40	14,168.24
Size	140	140	175	175	210	210	250	250	315	315
Number of Jaws	3	3	3	3	3	3	3	3	3	3
Through hole	mm 39	56	66	77	122	122	122	122	122	122
Radial jaw stroke	mm 3.2	3.2	4	5	5	5	5	5	5	5
Wedge stroke	mm 15	15	19	24	24	24	24	24	24	24
Max. draw-pull	kN 22	25	38	50	50	50	50	50	50	50
Max. gripping force	kN 58	70	108	145	145	145	145	145	145	145
Max. speed	rpm 7000	6000	5000	4000	3200	3200	3200	3200	3200	3200
Mass (w/out top jaws)	kg 6	11.5	19.5	30	44	44	44	44	44	44
Moment of inertia	kgm ² 0.016	0.06	0.12	0.27	0.62	0.62	0.62	0.62	0.62	0.62
Recommended Cylinders	SIN-S 100 VSNC 101-39	SIN-S 100 VSNC 140-52	SIN-S 100/125 VSNC 180-67	SIN-S 125/150 VSNC 200-76	SIN-S 125/150 VSNC 320-127					