



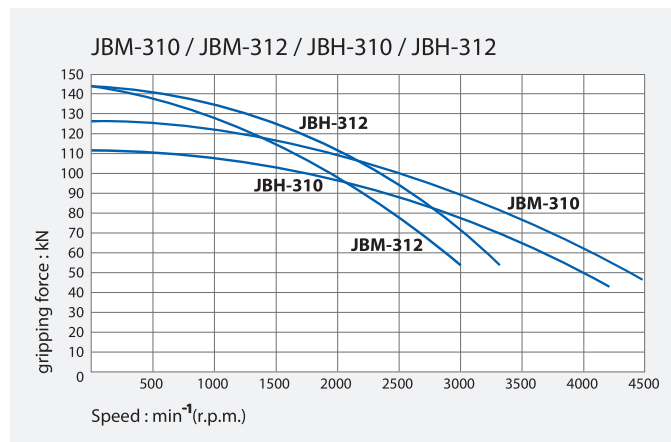
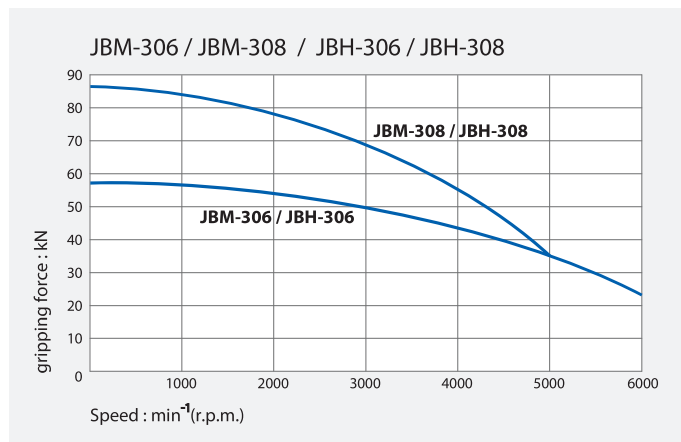
JBM / JBH

Jaw Boring Open Center Hydraulic Chuck

Application / Customer's Benefit

- Eliminates boring rings
- Reduce set-up time for boring soft jaws by 90%
- Bore soft jaws in fine increments of 0.1 mm
- Extend the life of soft jaws

ACTUAL GRIPPING FORCE DIAGRAM



* Adjust the RPM and hydraulic clamping pressure appropriately for tall or heavy non-standard jaws and oversize workpieces to avoid catastrophic failure.

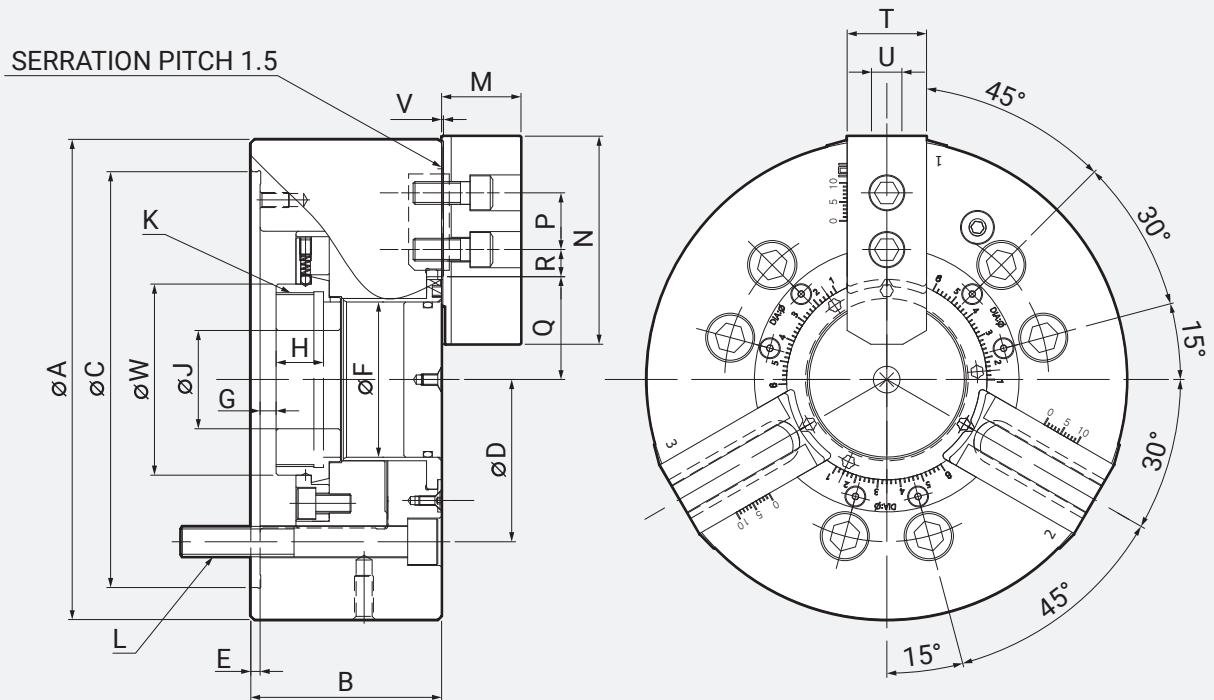
SPECIFICATIONS

	JBM-306	JBM-308	JBM-310	JBM-312	JBH-306	JBH-308	JBH-310	JBH-312
Thru Hole Dia. [mm]	52	66	82	103	46	52	77	91
Grip Dia. Max [mm]	175	210	254	315	169	210	254	304
Grip Dia. Min. [mm]	16.5	23	30	54	15	13	31	34
Jaw Stroke Dia. [mm]	6.4	7.4	8.8	10.6	5.5	7.4	8.8	10.6
Plunger Stroke [mm]	15	16	19	23	12	16	19	23
Max. Permissible Input Force [kN(kgf)]	24(2551)	36.4(3711)	49(4998)	55(5608)	22.0 (2243)	34.8 (3549)	43.0 (4385)	55.0 (5608)
Max. Static Gripping Force [kN(kgf)]	57(5812)	87(8872)	126.6(12848)	144(14686)	57 (5812)	86 (8769)	111 (11319)	144 (14686)
Max. r.p.m. [min⁻¹]	6000	5000	4500	3000	6000	5000	4200	3300
Weight [kg]	12	23.1	32.1	55.4	11.9	22.3	34.5	55.3
Moment of inertia [kg-m²]	0.061	0.14	0.33	0.85	0.05	0.15	0.31	0.70
Operating Cylinder	SD-15452	SD-17568	SD-18582	SD-21510	SD-13546	SD-15452	SD-18577	SD-20591
Max. Hydraulic Pressure [MPa(kgf/cm²)]	1.64(16.7)	2.34(23.9)	2.74(28)	2.65(27.2)	2.80 (28.6)	2.65 (27.0)	2.70 (27.5)	2.70 (27.5)
Jaw Boring Stroke [mm]	0.5 ~ 2	0.5 ~ 3	0.5 ~ 3	0.5 ~ 3	0.5 ~ 2	0.5 ~ 3	0.5 ~ 3	0.5 ~ 3
Operating Hard Jaw	HB06A1	HB08A1	HB10A1	HB12A1	HB06A1	HB08A1	HB10A1	HB12N1
Compatible Chuck	MH-206	MH-208	MH-210	MH-212	HS-06	HS-08	HS-10	HS-12

* Maximum turning speed is based upon actual measurement.

* Specifications are subject to change without notice.

* Samcully Machinery Co., Ltd. is no longer an OEM manufacturer for Kitagawa® Iron Works Co., Ltd.



※ It is recommended to grease chucks at least twice a day in order to maximize longevity.

DIMENSIONS

Thru Hole Range : Ø46~Ø103 / Clamping Range : Ø13~Ø315

	JBM-306	JBM-308	JBM-310	JBM-312	JBH-306	JBH-308	JBH-310	JBH-312
ØA	175	210	254	315	169	210	254	304
B	82	92	101	111	82	92	101	111
ØC	140	170	220	300	140	170	220	220
ØD	104.78	133.4	171.4	235	104.8	133.4	171.4	171.4
E	5	5	5	6	5	5	5	6
ØF	52	66	82	103	46	52	77	91
G max.	14	7.5	8.5	8	11	14.5	8.5	8
G min.	0	-8.5	-10.5	-15	-1	-1.5	-10.5	-15
H	17.5	27	25	28	19	20.5	25	28
ØJ	20	30	52	66	20	30	45	50
K max.	M60x2.0	M75x2.0	M90x2.0	M116x2.0	M55x2.0	M60x2.0	M85x2.0	M100x2.0
L	3-M10x95	3-M12x115	3-M16x120	3-M20x130	6-M10x95	6-M12x105	6-M16x120	6-M16x130
M	32	38.5	42	50.5	31	38.5	43	50.5
N	72	95	110	111	72	95	110	111
P	20	25	30	30	20	25	30	30
Q max.	38	45.7	54.5	69.3	32	38.7	51	61.3
Q min.	34.8	42	50.1	64	29.25	35	46.6	56
R max.	21.75	23.75	32.25	43.75	22.75	29.75	33.75	45.75
R min.	10.25	11.75	14.25	15.75	9.25	14.75	14.25	15.75
T	31	35	40	49	31	35	40	49
U	12	14	16	21	12	14	16	21
V	1	1	1	1	2	2	2	2
ØW	65	80	101	124	60	66	94	108

※ Blank and machined draw-nuts are available. 'K' is Max. Draw nut size.