

MHT / MHF

Mega Bore 2-Jaw / 4-Jaw Ultrahigh-Speed
Open-Center Chuck



Application

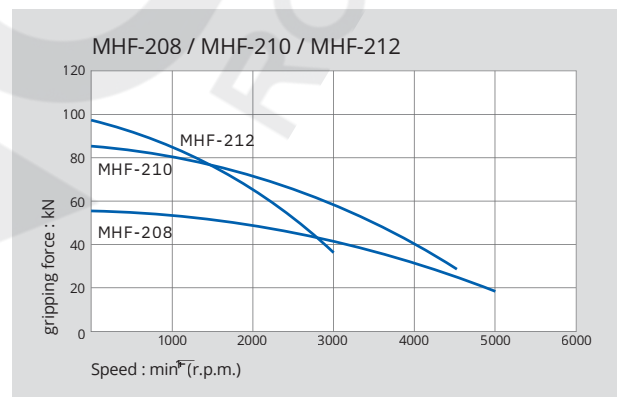
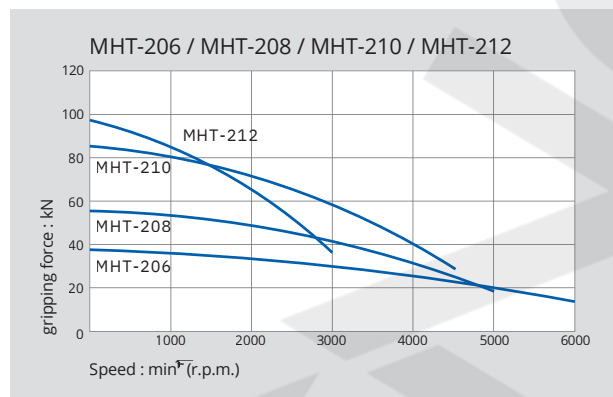
Mega-bore 2-Jaw, 4-Jaw wedge-style, open-center power chuck

Technical features

Gripping force transmission by wedge structure

Precision-hardened core components ensure chuck longevity

Dynamic Grip Force Diagram



※ When using taller, heavier jaws or clamping on a larger diameter, reduce RPM accordingly

SPECIFICATIONS

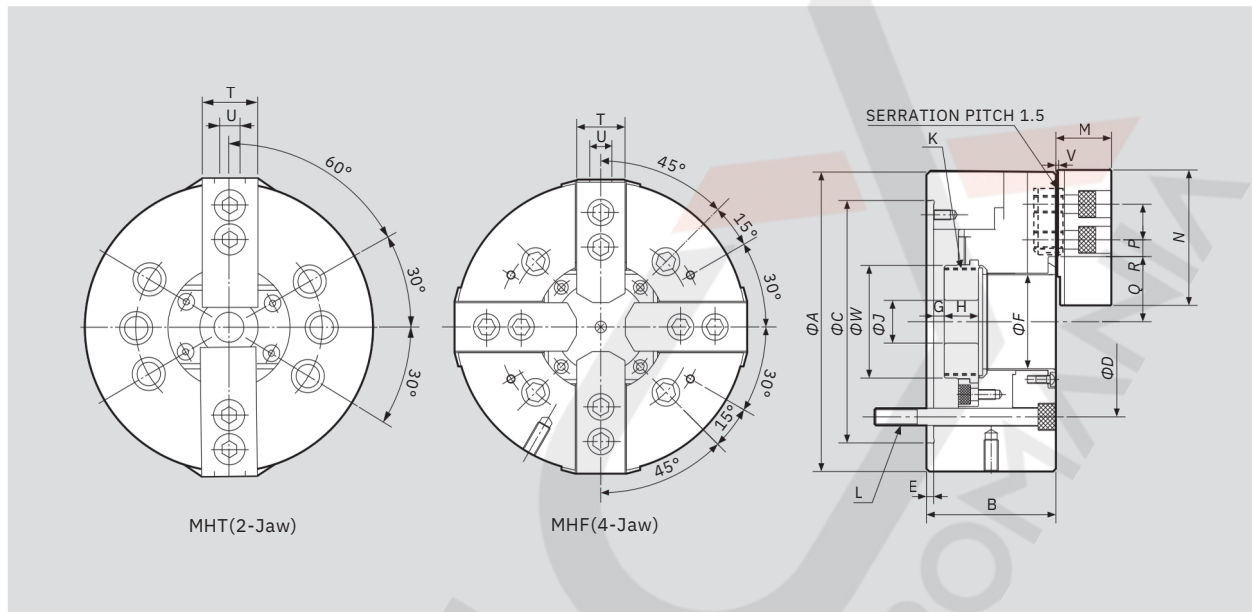
	MHT-206	MHT-208	MHT-210	MHT-212	MHF-208	MHF-210	MHF-212
Thru Hole Dia. [mm]	52	66	82	103	66	82	103
Grip Dia. Max [mm]	175	210	254	315	210	254	315
Grip Dia. Min. [mm]	16.5	23	30	54	23	30	54
Jaw Stroke Dia. [mm]	6.4	7.4	8.8	10.6	7.4	8.8	10.6
Plunger Stroke [mm]	14	16	19	23	16	19	23
Max. Permissible Input Force [kN(kgf)]	16.6(1700)	23.5(2397)	32.5(3306)	36.7(3742)	23.25(2397)	32.5(3306)	36.7(3742)
Max. Static Gripping Force [kN(kgf)]	38(3875)	57.9(5914)	84(8530)	96(9789)	57.9(5914)	84(8530)	96(9789)
Max. r.p.m. [min-1]	6000	5000	4500	3000	5000	4500	3000
Weight [kg]	11.5	21.7	31	55.3	23.5	32	55.3
Moment of inertia [kg·m ²]	0.048	0.132	0.3	0.808	0.57	0.329	0.808
Operating Cylinder	SD-15452	SD-17568	SD-18582	SD-21510	SD-17568	SD-18582	SD-21510
Max. Hydraulic Pressure [MPa(kgf/cm ²)]	1.18(12)	1.59(16.3)	1.86(19)	1.57(16.0)	1.59(16.3)	1.86(19)	1.57(16.0)
Operating Hard Jaw	HB06A1	HB08A1	HB10A1	HB12A1	HBF08A1	HBF10A1	HBF12A1

※ 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.

Thru Hole Range $\varnothing 52 \sim \varnothing 103$
Clamping Range $\varnothing 16.5 \sim \varnothing 315$



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

DIMENSIONS

	MHT-206	MHT-208	MHT-210	MHT-212	MHF-208	MHF-210	MHF-212
ΦA	175	210	254	315	210	254	315
B	81	91	100	110	91	100	110
ΦC	140	170	220	300	170	220	300
$\varnothing D$	104.8	133.4	171.45	235	133.4	171.45	235
E	5	5	5	6	5	5	6
$\varnothing F$	52	66	82	103	66	82	103
G max.	14	7.5	8.5	8	7.5	8.5	8
G min.	0	-8.5	-10.5	-15	-8.5	-10.5	-15
H	17.5	27	25	28	27	25	28
ΦJ	20	30	52	66	30	52	66
K max.	M60x2.0	M75x2.0	M90x2.0	M116x2.0	M75x2.0	M90x2.0	M116x2.0
L	6-M10x95	6-M12x115	6-M16x120	6-M20x130	4-M12x115	4-M16x120	4-M20x130
M	32.5	39	43	50.5	39	43	50.5
N	72	95	110	111	95	110	111
P	20	25	30	30	25	30	30
Q max.	38	45.7	54.5	67.3	45.7	54.5	67.3
Q min.	34.8	42	50.1	62	42	50.1	62
R max.	21.75	23.75	32.25	45.75	23.75	32.25	45.75
R min.	10.25	11.75	14.25	15.75	11.75	14.25	15.75
T	31	35	40	49	35	40	49
U	12	14	16	21	14	16	21
V	2	2	2	2	2	2	2
ΦW	65	80	101	124	80	101	124

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

RELATED PRODUCT

