

HS Standard 3-Jaw High-Speed Open-Center Chuck



Application

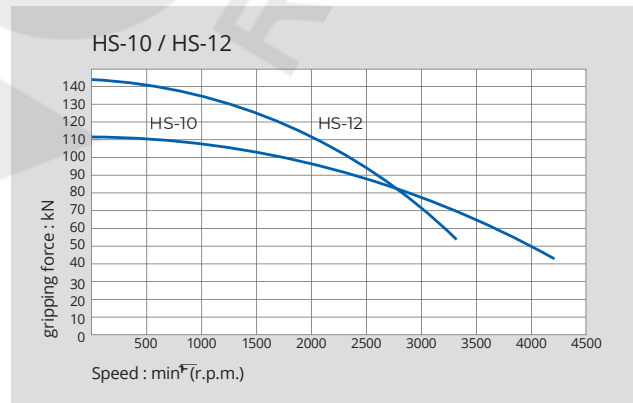
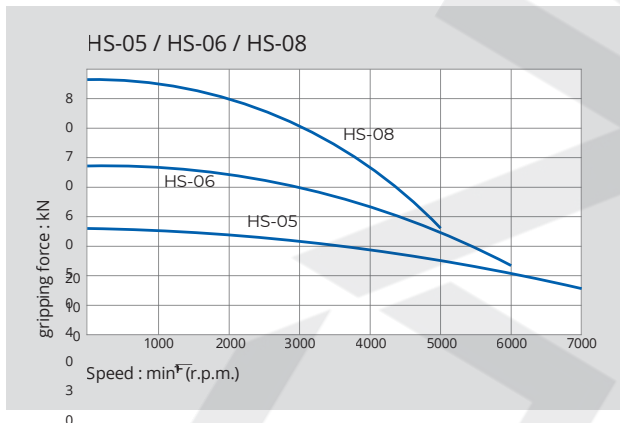
Standard high-speed 3-Jaw wedge-style open center power chuck

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

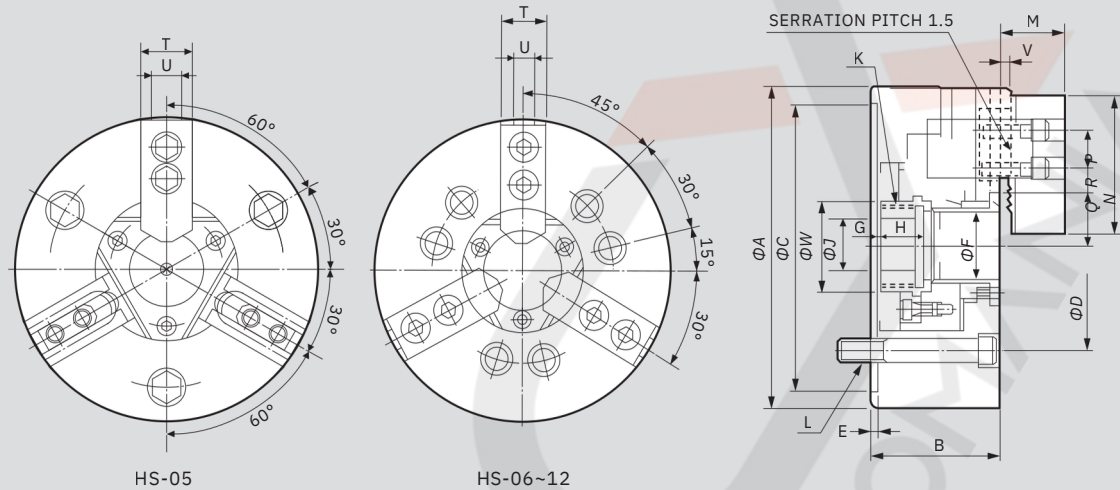
SPECIFICATIONS

	HS-05	HS-06	HS-08	HS-10	HS-12
Thru Hole Dia. [mm]	33	46	52	77	91
Grip Dia. Max [mm]	135	169	210	254	304
Grip Dia. Min [mm]	12	15	13	31	34
Jaw Stroke Dia. [mm]	5.4	5.5	7.4	8.8	10.6
Plunger Stroke [mm]	10	12	16	19	23
Permissible Input Force [kN(kgf)]	17.5(1784)	22(2243)	34.8(3549)	43(4385)	55(5608)
Max. Static Gripping Force [kN(kgf)]	36(3671)	57(5812)	86(8769)	111(11319)	144(14686)
Max. r.p.m. [min-1]	7000	6000	5000	4200	3300
Weight [kg]	6.7	11.9	22.3	34.5	55.3
Moment of inertia [kg-m²]	0.016	0.052	0.145	0.305	0.707
Operating Cylinder	SH-10036	SD-13546	SD-15452	SD-18577	SD-20591
Max. Hydraulic Pressure [MPa(kgf/cm²)]	2.9(30)	2.8(28.6)	2.65(27)	2.7(27.5)	2.7(27.5)
Operating Hard Jawa	HB04N1	HB06A1	HB08A1	HB10A1	HB12N1

※ Maximum turning speed is based upon actual measurement.

※ Specifications are subject to change without notice.

Thru Hole Range : Ø33~Ø91
Clamping Range : Ø12~Ø304



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

DIMENSIONS

	HS-05	HS-06	HS-08	HS-10	HS-12
ΦA	135	169	210	254	304
B	60	81	91	100	110
ΦC(H6)	110	140	170	220	220
ØD	82.6	104.8	133.4	171.4	171.4
E	4	5	5	5	6
ØF	33	46	52	77	91
G max.	1	11	14.5	8.5	8
G min.	-9	-1	-1.5	-10.5	-15
H	20	19	20.5	25	28
ΦJ	12	20	30	45	50
K max.	M40x1.5	M55x2.0	M60x2.0	M85x2.0	M100x2.0
L	3-M10x60	6-M10x95	6-M12x105	6-M16x120	6-M16x130
M	26	31	38.5	43	50.5
N	54	72	95	110	111
P	14	20	25	30	30
Q max.	26.5	32	38.7	51	61.3
Q min.	23.8	29.25	35	46.6	56
R max.	19.75	22.75	29.75	33.75	45.75
R min.	7.75	9.25	14.75	14.25	15.75
T	23	31	35	40	49
U	10	12	14	16	21
V	2	2	2	2	2
ΦW	47	60	66	94	108

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

RELATED PRODUCT

