

# HS-A 3-Jaw High-Speed Open Center Chuck with Adaptor (135mm - 210mm)



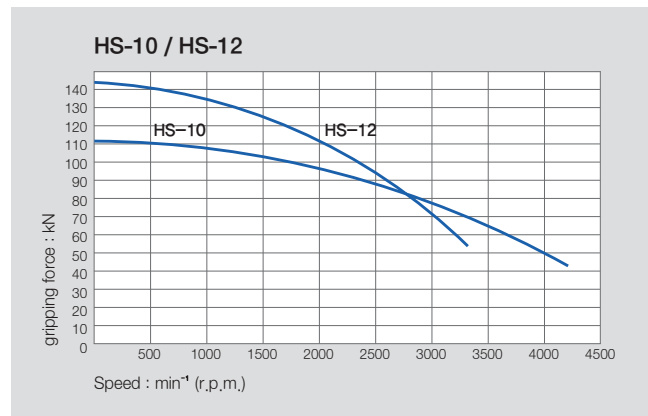
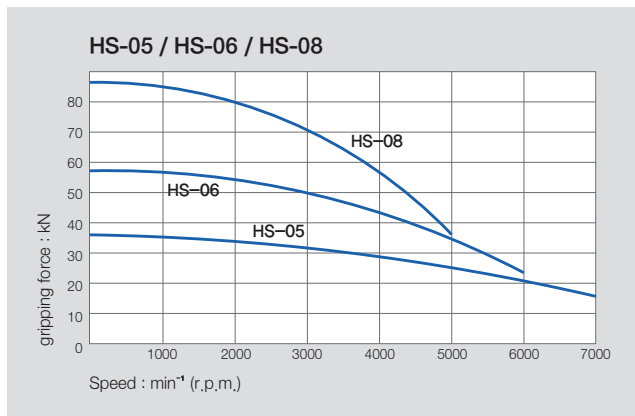
## Application / Benefits

For work requiring a through hole

## Technical features

Wedge hook style chuck with high gripping force

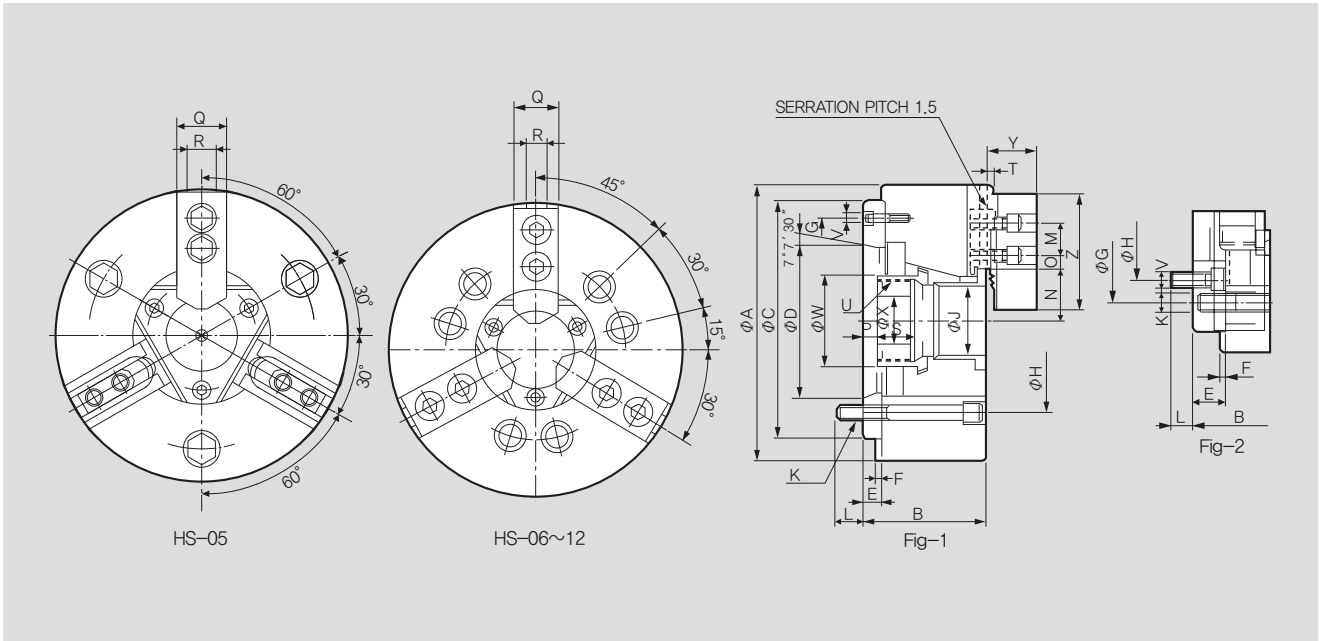
## ACTUAL GRIPPING FORCE DIAGRAM



## SPECIFICATIONS

	HS-05A05	HS-06A05	HS-08A06
Spindle Nose	A2-5	A2-5	A2-6
Thru Hole Dia. [mm]	33	46	52
Grip Dia. Max [mm]	135	169	210
Grip Dia. Min [mm]	12	15	13
Jaw Stroke Dia. [mm]	5.4	5.5	7.4
Plunger Stroke [mm]	10	12	16
Max. Permissible Input Force [kN(kgf)]	17.5(1784)	22(2243)	34.8(3549)
Max. Static Gripping Force [kN(kgf)]	36(3671)	57(5812)	86(8769)
Max. r.p.m. [min <sup>-1</sup> ]	7000	6000	5000
Weight [kg]	7.5	13.7	23.6
Moment of inertia [N · m <sup>2</sup> (kg · m <sup>2</sup> )]	0.687(0.07)	2.45(0.250)	6.9(0.71)
Operating Cylinder	SYH-1036	SH-13046 (SYH-1246)	SH-15052 (SYH-1552)
Max. Hydraulic Pressure [MPa(kgf/cm <sup>2</sup> )]	3.43(35.0)	2.8(28.6)	2.65(27)
Operating Hard Jaw	HB04N1	HB06A1	HB08A1
KITAGAWA® Model	B-205	B-206A5	B-208A6

- ※ Specifications are subject to change without notice.
- ※ HS-10A06 and HS-10A08 are available with 75mm and 77mm thru holes.
- ※ Samchully Machinery Co., Ltd. is no longer an OEM manufacturer for Kitagawa® Iron Works Co., Ltd.



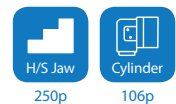
※ It is recommended to grease chucks at least twice a day in order to maximize longevity.

## DIMENSIONS

	HS-05A05	HS-06A05	HS-08A06
ΦA	135	169	210
B	72	91	103
ΦC(H6)	110	140	170
ΦD	82.56	82.563	106.375
E	16	15	17
F	4	5	5
ΦG	104.8	104.8	133.4
ΦH	104.8	104.8	133.4
ΦJ	33	46	52
K	3-M10x75	6-M10x95	6-M12x105
L	14	16	18
M	14	20	25
N max.	26.5	32	38.7
N min.	23.8	29.25	35
O max.	19.75	22.75	29.75
O min.	7.75	9.25	14.75
P max.	17	26	31.5
P min.	7	14	15.5
Q	23	31	35
R	10	12	14
S	20	19	20.5
T	2	2	2
U max.	M40x1.5	M55x2	M60x2
V	3xM6	3xM6	6xM6
ΦW	47	60	66
ΦX	-	20	30
Y	26	29	39
Z	54	72	95

※ Blank and machined draw-nuts are available.  
※ Refer to Fig-2 for HS-10A06, HS-12A06.

RELATED PRODUCT



# HS-A 3-Jaw High-Speed Open Center Chuck with Adaptor (254mm - 304mm)



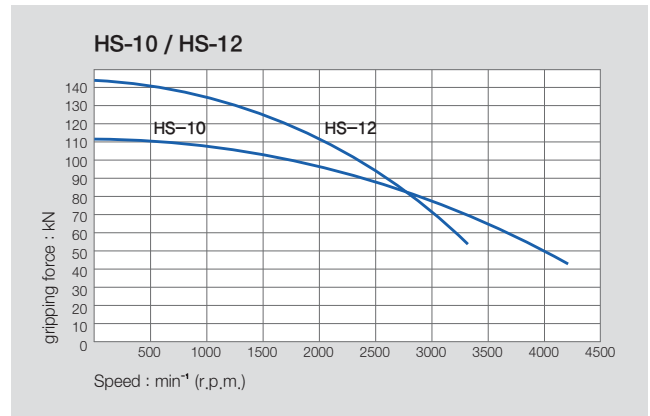
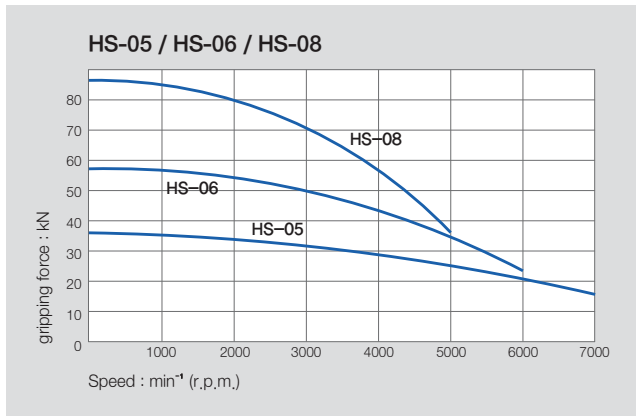
## Application / Benefits

For work requiring a through hole

## Technical features

Wedge hook style chuck with high gripping force

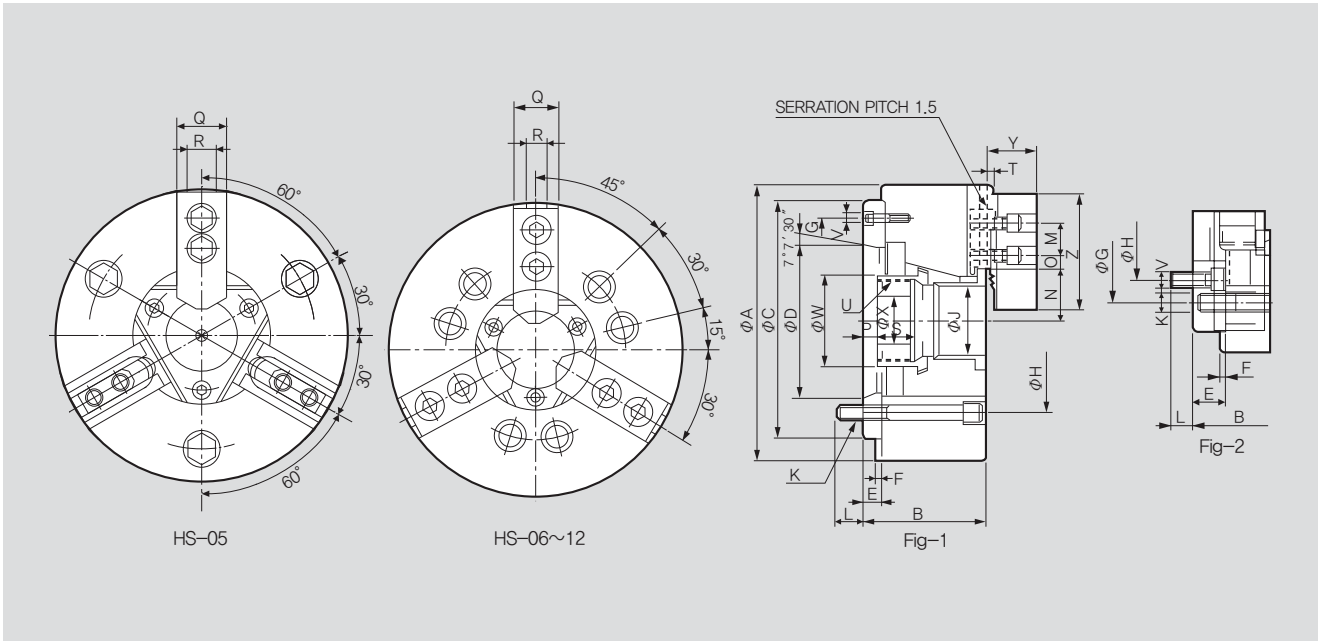
## ACTUAL GRIPPING FORCE DIAGRAM



## SPECIFICATIONS

	HS-10A06	HS-10A08	HS-12A06	HS-12A08
Spindle Nose	A2-6	A2-8	A2-6	A2-8
Thru Hole Dia. [mm]	77	77	91	91
Grip Dia. Max [mm]	254	254	304	304
Grip Dia. Min [mm]	31	34	42	50
Jaw Stroke Dia. [mm]	8.8	8.8	10.6	10.6
Plunger Stroke [mm]	19	19	23	23
Max. Permissible Input Force [kN(kgf)]	43(4385)	43(4385)	55(5608)	55(5608)
Max. Static Gripping Force [kN(kgf)]	111(11319)	111(11319)	144(14684)	144(14684)
Max. r.p.m. [min <sup>-1</sup> ]	4200	4200	3300	3300
Weight [kg]	41.5	40	67	64
Moment of inertia [N · m <sup>2</sup> (kg · m <sup>2</sup> )]	12.75(1.3)	12.65(1.29)	30.6(3.12)	30.0(3.06)
Operating Cylinder	SH-18077 (SYH-1877)	SYH-18077 (SYH-1877)	SYH-2091	SYH-2091
Max. Hydraulic Pressure [MPa(kgf/cm <sup>2</sup> )]	2.7(27.5)	2.7(27.5)	2.7(27.5)	2.7(27.5)
Operating Hard Jaw	HB10A1	HB10A1	HB12N1	HB12N1
KITAGAWA® Model	B-210A6	B-210A8	B-212A6	B-212A8

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- ※ HS-10A06 and HS-10A08 are available with 75mm and 77mm thru holes.
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※ It is recommended to grease chucks at least twice a day in order to maximize longevity.

## DIMENSIONS

	HS-10A06	HS-10A08	HS-12A06	HS-12A08
$\varnothing A$	254	254	304	304
B	120	113	129	122
$\varnothing C(H6)$	220	220	220	220
$\varnothing D$	106.375	139.719	106.375	139.719
E	25	18	25	18
F	5	5	6	6
$\varnothing G$	133.4	171.4	133.4	190
$\varnothing H$	171.4	171.4	171.4	171.4
$\varnothing J$	77	77	91	91
K	6-M16x100	6-M16x120	6-M16x110	6-M16x130
L	18.5	24	18.5	25
M	30	30	30	30
N max.	51	51	61.3	61.3
N min.	46.6	46.6	56	56
O max.	33.75	33.75	45.75	45.75
O min.	14.25	14.25	15.75	15.75
P max.	33.5	26.5	33	26
P min.	14.5	7.5	10	3
Q	40	40	49	49
R	16	16	21	21
S	25	25	28	28
T	2	2	2	2
U max.	M75x2	M85x2	M90x2	M100x2
V	6xM12	6xM8	6xM12	6xM8
$\varnothing W$	94	94	108	108
$\varnothing X$	45	45	50	50
Y	43	43	50.5	50.5
Z	110	110	111	111

※ Blank and machined draw-nuts are available.  
 ※ Refer to Fig-2 for HS-10A06, HS-12A06.

RELATED PRODUCT

