

HC-A 3-Jaw Closed-Center Chuck with Adaptor (165mm - 304mm)



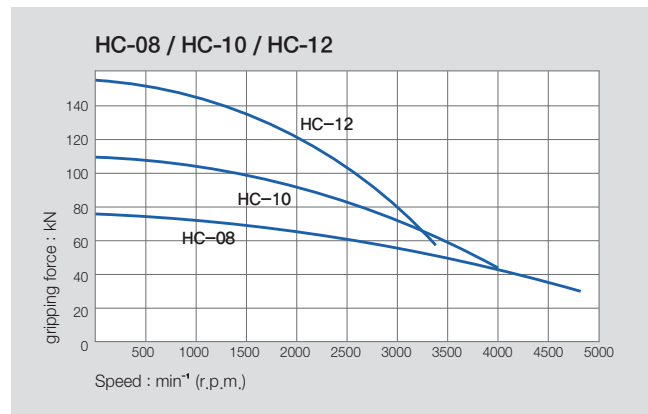
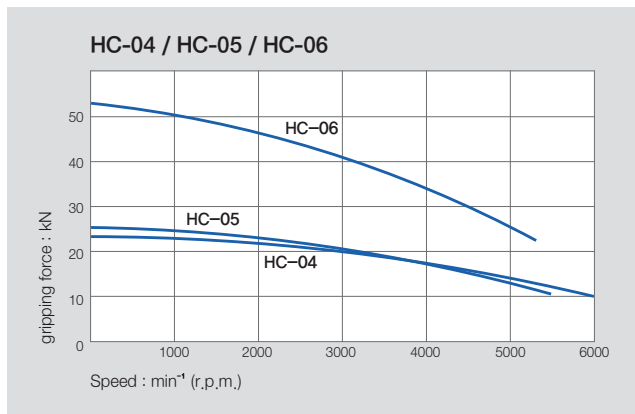
Application / Benefits

Ideal for vertical lathes and work that does not require a through-hole

Technical features

Wedge hook style chuck with high gripping force

ACTUAL GRIPPING FORCE DIAGRAM



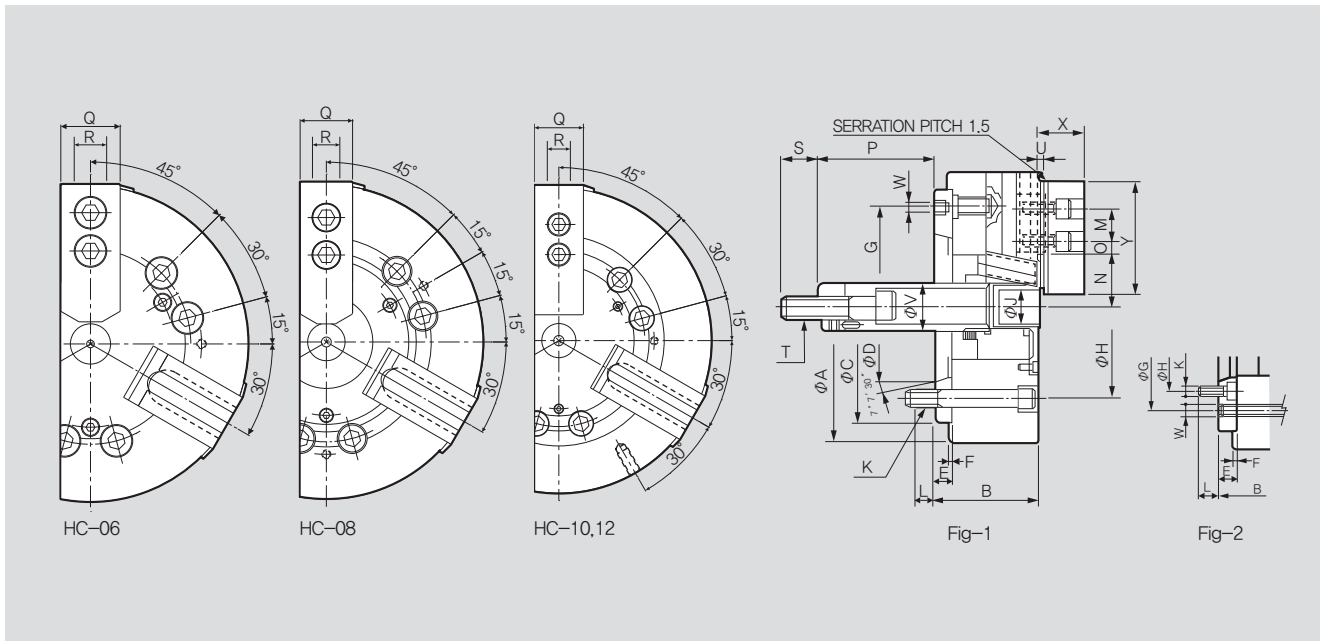
SPECIFICATIONS

	HC-06A05	HC-08A06	HC-10A06	HC-10A08	HC-12A06	HC-12A08
Spindle Nose No.	A2-5	A2-6	A2-6	A2-8	A2-6	A2-8
Jaw Stroke Dia. [mm]	8.5	8.8	8.8	8.8	10.5	10.5
Plunger Stroke [mm]	18.5	19	25	25	30	30
Grip Dia. Max [mm]	165	210	254	254	304	304
Grip Dia. Min [mm]	19	23	24	224	26	26
Max. Permissible Input Force [kN(kgf)]	18(1835)	25(2549)	29(2957)	29(2957)	41(4181)	41(4181)
Max. Static Gripping Force [kN(kgf)]	52.5(5353)	75(7648)	108(11013)	108(11013)	156(15907)	156(15907)
Max. r.p.m. [min ⁻¹]	5270	4760	4010	4010	3380	3380
Weight [kg]	14	27	40	40	67	66
Moment of inertia [N · m ² (kg · m ²)]	1.96(0.20)	5.79(0.59)	13.14(1.34)	12.84(1.31)	29.82(3.04)	29.52(3.01)
Max. Hydraulic Pressure [MPa(kgf/cm ²)]	2.6(26.5)	2.5(25.5)	2.8(28.6)	2.8(28.6)	2.7(27.5)	2.7(27.5)
Operating Cylinder Hydraulic	Y-1020R(RE)	Y-1225R(RE)	Y-1225R(RE)	Y-1225R(RE)	Y-1530R(RE)	Y-1530R(RE)
Operating Cylinder Pneumatic	AY-1720R	AY-2225R	AY-2225R	AY-2225R	AY-2730R	AY-2730R
Operating Hard Jaw	HB06A1	HB08A1	HB10A1	HB10A1	HB12A1	HB12A1
KITAGAWA® Model	N-06A05	N-08A06	N-10A06	N-10A08	N-12A06	N-12A08

※ Refer to Fig-2 for HC-10A06 and HC-12A06.

※ Specifications are subject to change without notice.

※ 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

	HC-06A05	HC-08A06	HC-10A06	HC-10A08	HC-12A06	HC-12A08
ΦA	165	210	254	254	304	304
B	84	97	109	102	125	118
$\Phi C(H6)$	140	170	220	220	220	220
ΦD	82.563	106.375	106.375	139.719	106.375	139.719
E	15	17	25	18	25	18
F	5	5	5	5	6	6
ΦG	116	150	171.4	190	171.4	190
ΦH	104.8	133.4	133.4	171.4	133.4	171.4
ΦJ	21	25	34	34	34	34
K	6-M10	6-M12	6-M12	6-M16	6-M12	6-M16
L	14	18	18.5	25	18	25
M	20	25	30	30	30	30
N max.	37.8	46.3	51.1	51.1	61	61
N min.	33.5	41.9	46.7	46.7	55.75	55.75
O max.	13.75	22.25	30.75	30.75	48.75	48.75
O min.	7.75	11.75	11.25	11.25	12.75	12.75
P max.	83	92(108)	84(128)	101(140)	117(138)	124(145)
P min.	64.5	73(89)	74(89)	76(115)	87(108)	94(115)
Q	31	35	40	40	49	49
R	12	14	16	16	18	18
S	358	36	36	36	36	36
T	M16x2.0	M20x2.5	M20x2.5	M20x2.5	M24x3.0 (M20x2.5)	M24x3.0 (M20x2.5)
U	4	5	5	5	5	5
ΦV	34	38	45	45	50	50
W	3-M6	3-M6	6-M16	3-M8	6-M16	3-M8
X	35	42	46	46	53.5	53.5

RELATED PRODUCT



HC-A 3-Jaw Closed-Center Chuck with Adaptor (381mm - 610mm)



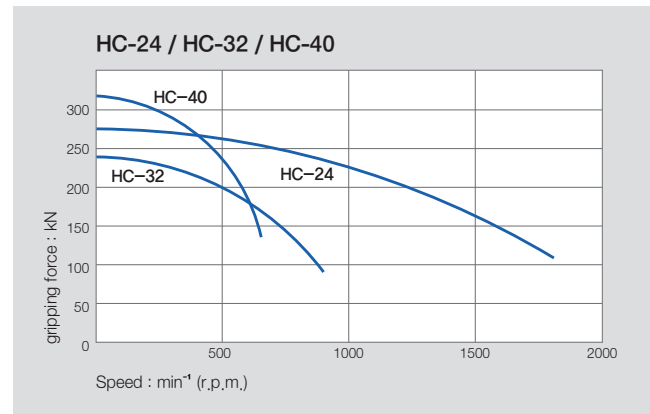
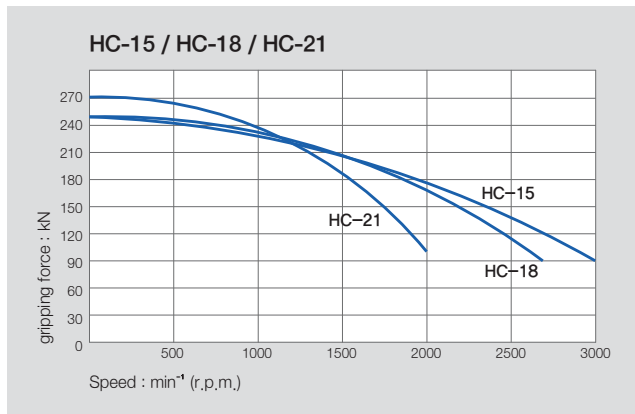
Application / Benefits

Ideal for vertical lathes and work that does not require a through-hole
Large sizes offered for large work

Technical features

Wedge hook style chuck with high gripping force

ACTUAL GRIPPING FORCE DIAGRAM



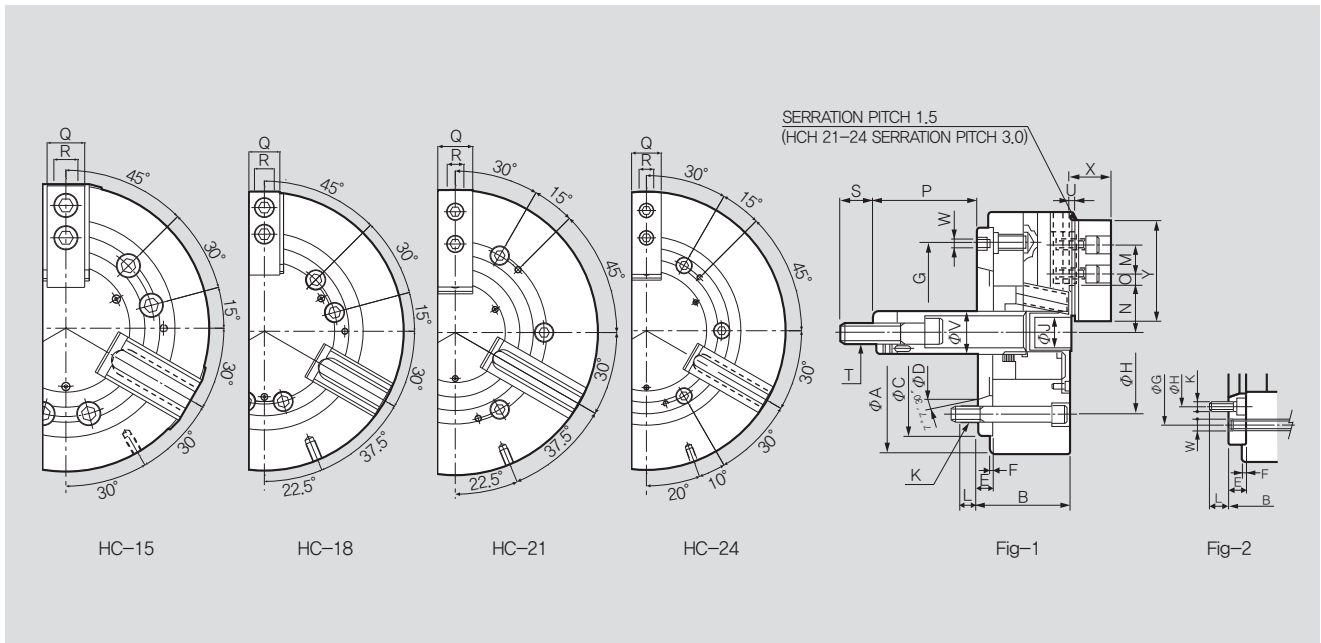
SPECIFICATIONS

	HC-15A08	HC-15A11	HC-18A08	HC-18A11	HC-21A11	HC-21A15	HC-24A11	HC-24A15
Spindle Nose No.	A2-8	A2-11	A2-8	A2-11	A2-11	A2-15	A2-11	A2-15
Jaw Stroke Dia. [mm]	16	16	16	16	16	16	16	16
Plunger Stroke [mm]	35	35	35	35	35	35	35	35
Grip Dia. Max [mm]	381	381	450	450	530	530	610	610
Grip Dia. Min [mm]	71	71	133	133	62	62	152	152
Max. Permissible Input Force [kN(kgf)]	82(8362)	82(8362)	82(8362)	82(8362)	82(8362)	82(8362)	82(8362)	82(8362)
Max. Static Gripping Force [kN(kgf)]	249(25391)	249(25391)	249(25391)	249(25391)	273(27838)	273(27838)	273(27838)	273(27838)
Max. r.p.m. [min⁻¹]	3040	3040	2710	2710	1940	1940	1760	1760
Weight [kg]	105	103	134	131	198	190	241	234
Moment of inertia [N · m²(kg · m²)]	76.49(7.8)	73.55(7.5)	97.08(9.9)	95.12(9.7)	201.03(20.5)	194.15(19.9)	289.28(29.5)	276.54(28.2)
Max. Hydraulic Pressure [MPa(kgf/cm²)]	3.2(32.6)	3.2(32.6)	3.2(32.6)	3.2(32.6)	3.2(32.6)	3.2(32.6)	3.2(32.6)	3.2(32.6)
Operating Cylinder Hydraulic	Y-2035R(RE)	Y-2035R(RE)	Y-2035R(RE)	Y-2035R(RE)	Y-2035R(RE)	Y-2035R(RE)	Y-2035R(RE)	Y-2035R(RE)
Operating Hard Jaw	HB15N1	HB15N1	HB15N1	HB15N1	HB18B2	HB18B2	HB18B2	HB18B2
KITAGAWA® Model	N-15A08	N-15A08	N-18A11	N-18A11	N-21A11	N-21A15	N-24A11	N-24A15

※ Specifications are subject to change without notice.

※ Refer to Fig-2 for HC-15A08, HC-18A08, HC-21A11, HC-24A11.

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

DIMENSIONS

	HC-15A08	HC-15A11	HC-18A08	HC-18A11	HC-21A11	HC-21A15	HC-24A11	HC-24A15
ΦA	381	381	450	450	530	530	610	610
B	141	130	141	130	161	146	161	146
$\Phi C(H_6)$	300	300	300	300	380	380	380	380
ΦD	139.719	196.869	139.719	196.869	196.869	285.775	196.869	285.775
E	33	22	33	22	42	27	42	27
F	6	6	6	6	6	6	6	6
ΦG	235	260	235	260	330.2	330.2	330.2	330.2
ΦH	171.4	235	171.4	235	235	330.2	235	330.2
ΦJ	27	27	27	27	27	27	27	27
K	6-M16	6-M20	6-M16	6-M20	6-M20	6-M22	6-M20	6-M22
L	24	33	24	33	29	34	29	34
M	43	43	43	43	60	60	60	60
N max.	77.5	77.5	108	108	86	86	125	125
N min.	69.5	69.5	100	100	78	78	117	117
O max.	48.75	48.75	48.75	48.75	93.5	93.5	93.5	93.5
O min.	23.25	23.25	23.25	23.25	27.5	27.5	27.5	27.5
P max.	71	82	59	70	55	70	55	70
P min.	36	47	24	35	20	35	20	35
Q	50	50	50	50	65	65	65	65
R	25.5	25.5	25.5	25.5	25	25	25	25
S	55	55	55	55	55	55	55	55
T	M30x3.5	M30x3.5	M30x3.5	M30x3.5	M30x3.5	M30x3.5	M30x3.5	M30x3.5
U	2	2	2	2	3	3	3	3
ΦV	60	60	60	60	60	60	60	60
W	6-M20	3-M10	6-M20	3-M10	6-M22	3-M12	6-M22	6-M12
X	61	61	61	61	70	70	70	70

RELATED PRODUCT

