

HCL 3-Jaw Closed-Center Long-Stroke Chuck



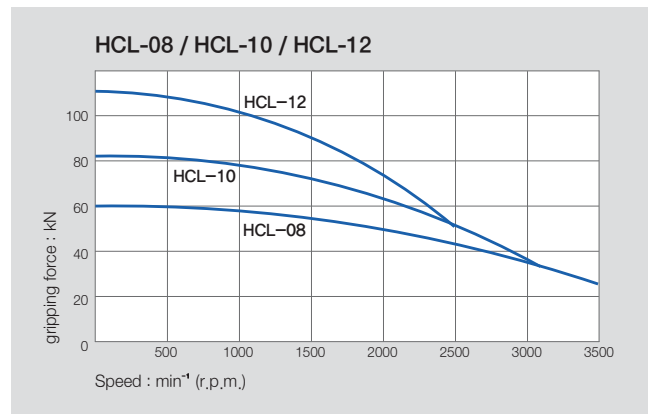
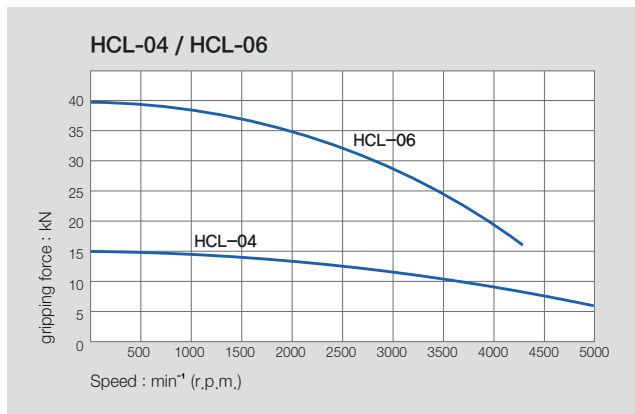
Application / Benefits

ideal for vertical lathes and square or rectangular work that does not require a through-hole
Longer jaw stroke

Technical features

Wedge hook style chuck with high gripping force

ACTUAL GRIPPING FORCE DIAGRAM

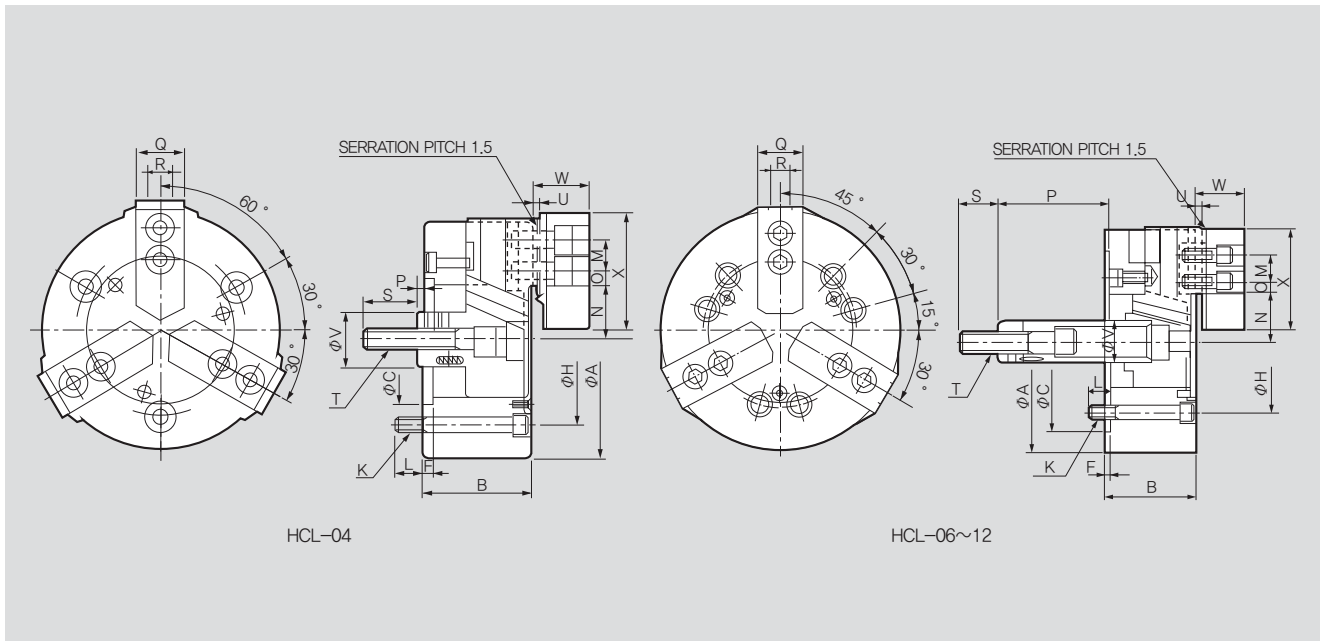


SPECIFICATIONS

	HCL-04	HCL-06	HCL-08	HCL-10	HCL-12
Jaw Stroke Dia. [mm]	12.1	13	16.2	18.1	19.4
Plunger Stroke [mm]	15	20	25	28	30
Grip Dia. Max [mm]	110	165	210	254	304
Grip Dia. Min [mm]	12	22	23	27	33
Max. Permissible Input Force [kN(kgf)]	10(1020)	21(2141)	30(3059)	40(4079)	54(5506)
Max. Static Gripping Force [kN(kgf)]	14.4(1468)	39(3977)	60(6118)	81(8260)	111(11319)
Max. r.p.m. [min ⁻¹]	5000	4300	3600	3100	2500
Weight [kg]	4.1	12	22.9	34.6	60
Moment of inertia [N · m ² (kg · m ²)]	0.29(0.03)	1.76(0.18)	5.39(0.55)	11.8(1.20)	28.4(2.90)
Max.hydraulic Pressure [MPa(kgf/cm ²)]	2.9(29.6)	3.0(29.6)	2.9(29.6)	2.8(28.6)	3.6(36.7)
Operating Cylinder	Y-0715R(RE)	Y-1020R(RE)	Y-1225R(RE)	Y-1530R(RE)	Y-1530R(RE)
Operating Hard Jaw	HB04N1	HB06A1	HB08A1	HB10A1	HB12B1
KITAGAWA® Model	NL-04	NT-06	NT-08	NT-10	NT-12

※ 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

	HCL-04	HCL-06	HCL-08	HCL-10	HCL-12
ΦA	110	165	210	254	304
B	52	74	85	89	106
ΦC(H6)	60	140	170	220	220
F	6	5	5	5	6
ΦH	80	104.8	133.4	171.4	171.4
K	3-M8	6-M10	6-M12	6-M16	6-M16
L	12	14	20	18	18
M	14	20	25	30	30
N max.	26.5	40.5	48.1	54.4	65.7
N min.	20.45	34	40	43.35	56
O max.	9.75	13.75	20.75	29.5	42.75
O min.	6.75	9.25	11.75	11.5	12.75
P max.	18	101.5	131	161	163
P min.	3	81.5	106	133	133
Q	23	31	35	40	50
R	10	12	14	16	18
S	25	36	36	36	46
T	M10x1.5	M16x2.0	M20x2.5	M20x2.5	M20x2.5
U	3	4	5	5	5
ΦV	26	34	38	45	50
W	27	35	42	46	54
X	55	72	95	110	129

RELATED PRODUCT

