

HCH 3-Jaw Open Center Chuck (110mm - 450mm)



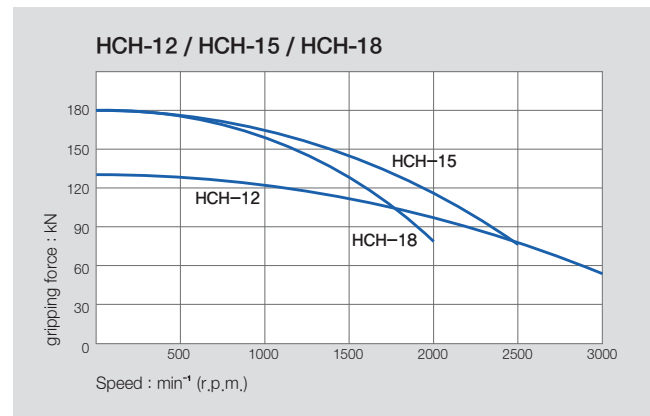
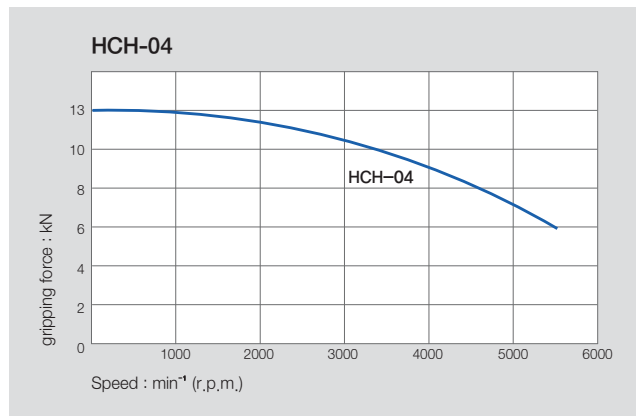
Application / Benefits

For work requiring a through-hole

Technical features

Wedge hook style chuck with high gripping force

ACTUAL GRIPPING FORCE DIAGRAM



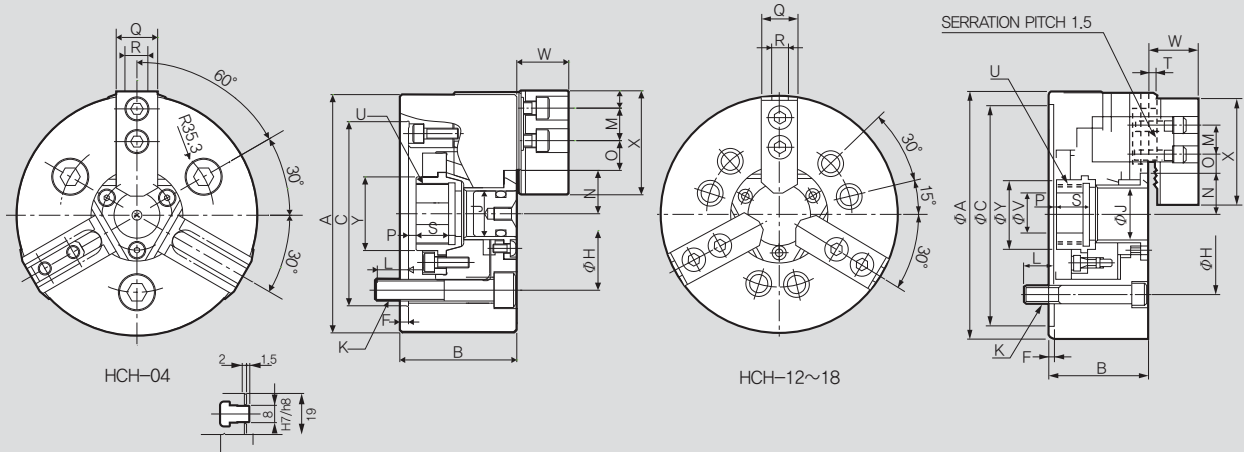
※ When using taller heavier jaw or clamping on a bigger diameter reduce draw pull rotating speed accordingly.

SPECIFICATIONS

	HCH-04	HCH-12	HCH-15	HCH-18
Thru Hole Dia. [mm]	21	78	117.5	117.5
Grip Dia. Max [mm]	110	304	381	450
Grip Dia. Min [mm]	5	19	30	30
Jaw Stroke Dia. [mm]	4.2	10.6	10.6	10.6
Plunger Stroke [mm]	6.5	23	23	23
Max. Permissible Input Force [kN(kgf)]	8(800)	49(4997)	71(7240)	71(7240)
Max. Static Gripping Force [kN(kgf)]	13(1350)	129(13150)	180(18355)	180(18355)
Max. r.p.m. [min⁻¹]	5500	3000	2500	2000
Weight [kg]	3.7	63	120	164
Moment of inertia [N · m²(kg · m²)]	0.2(0.024)	29.71(3.03)	89.41(9.09)	174.6(17.8)
Operating Cylinder	HYH-0933	SH-19082	SH-25011	SH-25011
Max. Hydraulic Pressure [MPa(kgf/cm²)]	2.2(22.4)	2.3(23.5)	2.3(23.5)	2.3(23.5)
Operating Hard Jaw	HB04A1	HB12B1	HB15A1	HB15A1
KITAGAWA® Model	B-04	B-12	B-15	B-18

※ Specifications are subject to change without notice.

※ Samchully Machinery Co., Ltd. is no longer an OEM manufacturer for Kitagawa® Iron Works Co., Ltd.



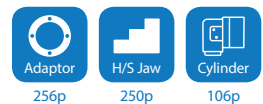
※ It is recommended to grease chucks at least twice a day in order to maximize longevity.

DIMENSIONS

	HCH-04	HCH-12	HCH-15	HCH-18
ΦA	110	304	381	450
B	54	110	133	133
ΦC(H6)	85	220	300	380
F	4	6	6	6
H	70.6	171.4	235	235
ΦJ	21	78	117.5	117.5
K	3-M10	6-M16	6-M20	6-M20
L	15.5	23	50	30
M	15	30	43	43
N max.	20	58	82	82
N min.	17.9	52.7	76.7	76.7
O max.	14.25	48.75	43.75	78.25
O min.	6.75	12.75	18.25	18.25
P max.	3.5	8	11	11
P min.	-3	-15	-12	-12
Q	19	49	62	62
R	8	18	22	22
S	15	38	39	39
T	2	5	5	5
U max.	M28x1.5	M88x2.0	M130x2.0	M130x2.0
ΦV	10	50	60	60
W	24	54	70	70
X	48	129	165	165
ΦY	34	96	139	139

※ Blank and machined draw-nuts are available.

RELATED PRODUCT



HCH 3-Jaw Open Center Chuck (530mm-800mm)



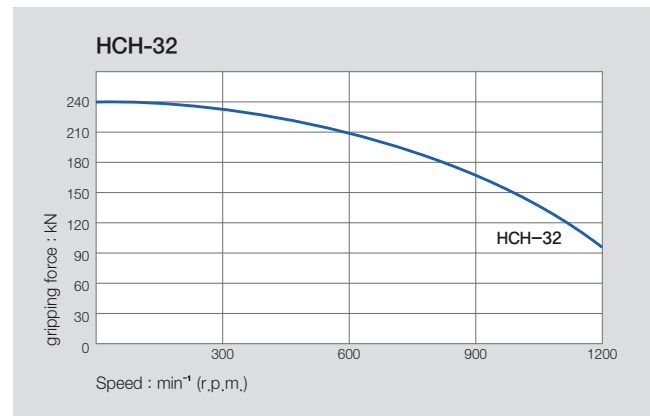
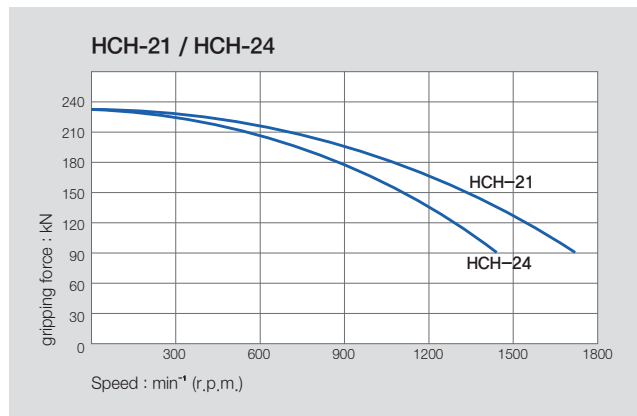
Application / Benefits

For work requiring a through-hole
Large diameter chucks offered for large work

Technical features

Wedge hook style chuck with high gripping force

ACTUAL GRIPPING FORCE DIAGRAM



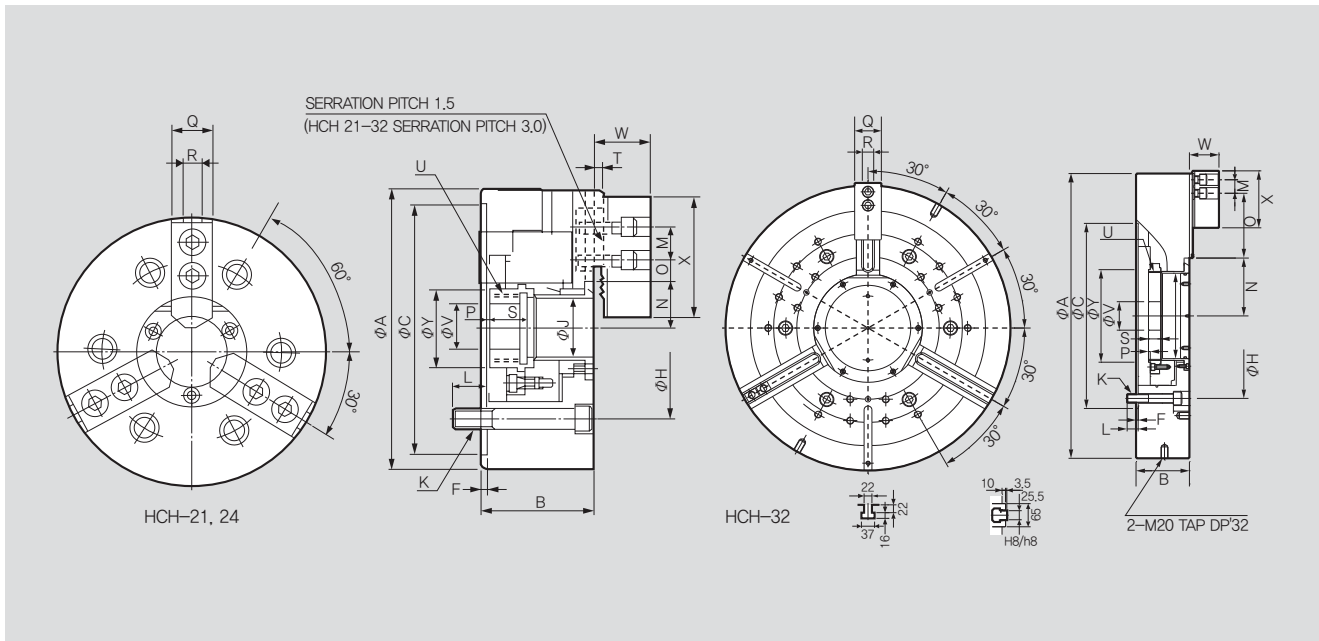
※ When using taller heavier jaw or clamping on a bigger diameter reduce draw pull rotating speed accordingly.

SPECIFICATIONS

	HCH-21	HCH-24	HCH-32
Thru Hole Dia. [mm]	140	165	240
Grip Dia. Max [mm]	530	610	800
Grip Dia. Min [mm]	87	110	240
Jaw Stroke Dia. [mm]	10.6	10.6	18
Plunger Stroke [mm]	23	23	34
Max. Permissible Input Force [kN(kgf)]	90(9177)	90(9177)	100(10193)
Max. Static Gripping Force [kN(kgf)]	234(23861)	234(23861)	240(24464)
Max. r.p.m. [min ⁻¹]	1700	1400	1200
Weight [kg]	235	293	530
Moment of inertia [N · m ² (kg · m ²)]	351.1(35.8)	651.2(66.4)	598.4(61)
Operating Cylinder	SH-25011	SYHL-2816	SYHL-2816
Max. Hydraulic Pressure [MPa(kgf/cm ²)]	3.0(30.6)	3.0(30.6)	3.2(33.6)
Operating Hard Jaw	HB18B2	HB18B2	HB32B2
KITAGAWA® Model	B-21	B-24	-

※ 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

	HCH-21	HCH-24	HCH-32
ΦA	530	610	800
B	140	149	150
ΦC(H6)	380	380	520
F	6	6	6
H	330.2	330.2	463.6
ΦJ	140	165	240
K	6-M22	6-M22	6-M24
L	31	32	31
M	60	60	38
N max.	98.5	108	162.6
N min.	93.2	102.7	153.6
O max.	87.5	117.5	182
O min.	21.5	21.5	20
P max.	11	20	29
P min.	-12	-3	-5
Q	65	65	75
R	25	25	25.5
S	39	40	34.5
T	5	5	10
U max.	M155x3.0	M175x3.0	M250x3.0
ΦV	80	80	80
W	72	72	83
X	180	180	160
ΦY	170	187	260

※ Blank and machined draw-nuts are available.

RELATED PRODUCT

