

POWER CHUCKS



Premium Chucks

■	QJC (Quick Jaw Change Chuck)	34.
■	PAC (Pneumatic Self-Contained Chuck)	35.
■	RTC (Rotary Table Chuck)	36.
■	MCA (Stationary Pneumatic Chuck)	38.
■	MCH (Stationary Hydraulic Chuck)	39.

Open-Center Chucks

■	HS (Standard 3-Jaw High-Speed Open-Center Chuck)	40.
	HS-A (3-Jaw High-Speed Open-Center Chuck with Adaptor)	41.
	HST / HSF (2-Jaw, 4-Jaw High-Speed Open-Center Chuck)	42.
	HSL (3-Jaw High-Speed Open-Center Long-Stroke Chuck)	43.
■	MH (Standard Mega Bore 3-Jaw High-Speed Open-Center Chuck)	44.
	MHT / MHF (Mega Bore 2-Jaw, 4-Jaw High-Speed Open-Center Chuck)	45.
■	HCH (Standard 3-Jaw Open-Center Chuck)	46.
	HCH-A (3-Jaw Open-Center Chuck With Adaptor)	48.
	HCHT / HCHF (2-Jaw, 4-Jaw Open-Center Chuck)	50.

Closed-Center Chucks

■	HC (Standard 3-Jaw Closed-Center Chuck)	51.
	HC-A (3-Jaw Closed-Center Chuck with Adaptor)	53.
	HCT (2-Jaw Closed-Center Chuck)	56.
	HCF (4-Jaw Closed-Center Chuck)	57.
	HC-SE (3-Jaw Sealed Closed-Center Chuck)	58.
	HCL (3-Jaw Closed-Center Long-Stroke Chuck)	59.
	HCLT / HCLF (2-Jaw, 4-Jaw Closed-Center Long-Stroke Chuck)	60.
	HCWF (Double Wedge Hydraulic Chuck)	61.

Technical Information

Gripping Force Chart	60.
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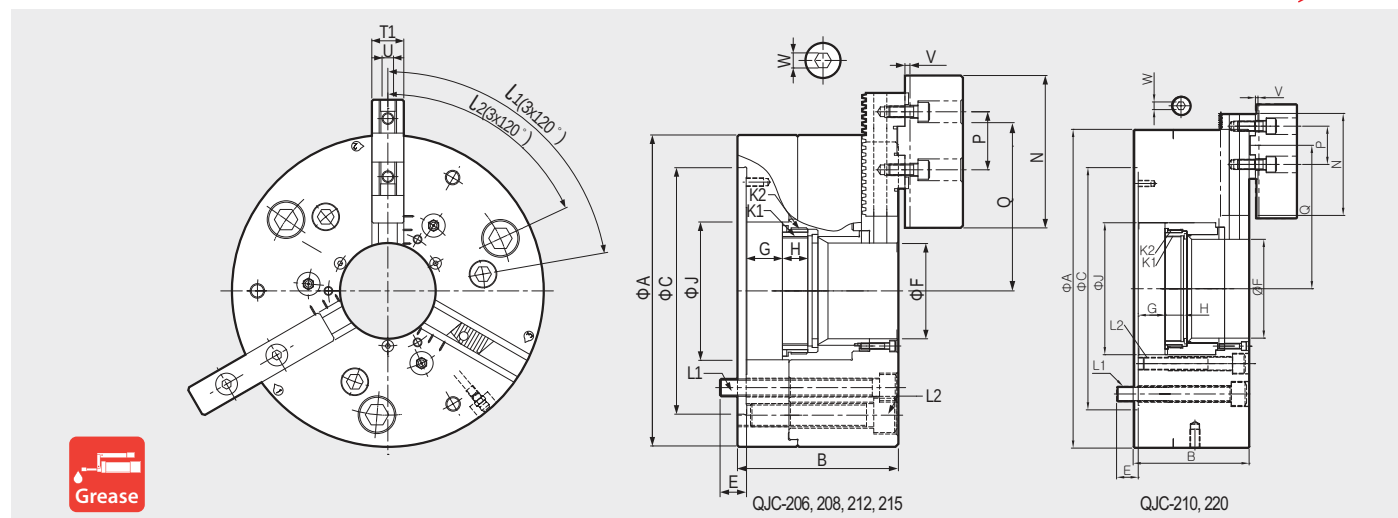
QJC

Quick Jaw Change Chuck

- Reduced set up time; all 3 jaws changed in less than one minute
- Built-in safety mechanism prevents jaw movement to ensure proper jaw engagement
- High alloy steel material and heat treatment increase robustness
- Reboring of machine jaws unnecessary (tolerance within 0.02mm)
- High T.I.R and repeatability



HYDRAULIC CHUCK



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



Dimensions

	ΦA	B	ΦC	E	ΦF	Gmax.	Gmin.	H	ΦJ	K1	K2	L1	L2	I1	I2	N	P	Qmax.	Qmin.	T1	T2	U	V	W
QJC-206	165	95	140	14	45	20.2	0	15	68	M50	M60	3-M10	3-M12	80°	20°	85	32	76.8	58	20	20	8	2.5	8
QJC-208	215	111	170	18	66	25	0	17.5	95	M75	M87	3-M12	3-M16	80°	65°	97	40	118.3	71.2	22	22	10	2.5	10
QJC-210	260	129.3	220	23.7	81	28	0	22	114	M90	M105	3-M16	3-M12	80°	65°	125	40	129.7	102.2	30	26	12	3	10
QJC-212	315	138.1	220	24.9	104	28.5	0	23.2	148	M115	M135	3-M16	3-M20	80°	70°	125	40	159.1	106.9	30	32	12	3	10
QJC-215	400	144	300	25	128	32	0	22	180	M138	M160	3-M20	3-M24	70°	60°	145	54	182.4	121.9	35	32	12	3	10
QJC-220	500	182	380	34	155	42	0	29	207	M165	M185	3-M24	3-M20	85°	75°	160	60	225	141	45	48	18	4	12

Specifications

Type	Jaw Stroke Dia.	Plunger Stroke	Permissible Input Force	Max.Static Gripping Force	Max. R.P.M.	Weight	GD ²	Operating Cylinder
	[mm]	[mm]	[kN(kgf)]	[kN(kgf)]	[min ⁻¹]	[Kg]	[N·m ² (kgf·m ²)]	
QJC-206	11.4	20	30(3059)	45(4538)	6000	13	0.11	SH-13046
QJC-208	14.4	25	54(5404)	100(10197)	5500	24	0.11	SHL-17068
QJC-210	16	28	65(6628)	115(11726)	4000	42	0.41	SHL-19082
QJC-212	16	28	90(9177)	160(16315)	3600	66	0.97	SHL-21010
QJC-215	17	32	133(13562)	240(24473)	3500	109	2.3	SHL-25011
QJC-220	20	42	120(12236)	250(25492)	2200	225	6.5	SHL-25011

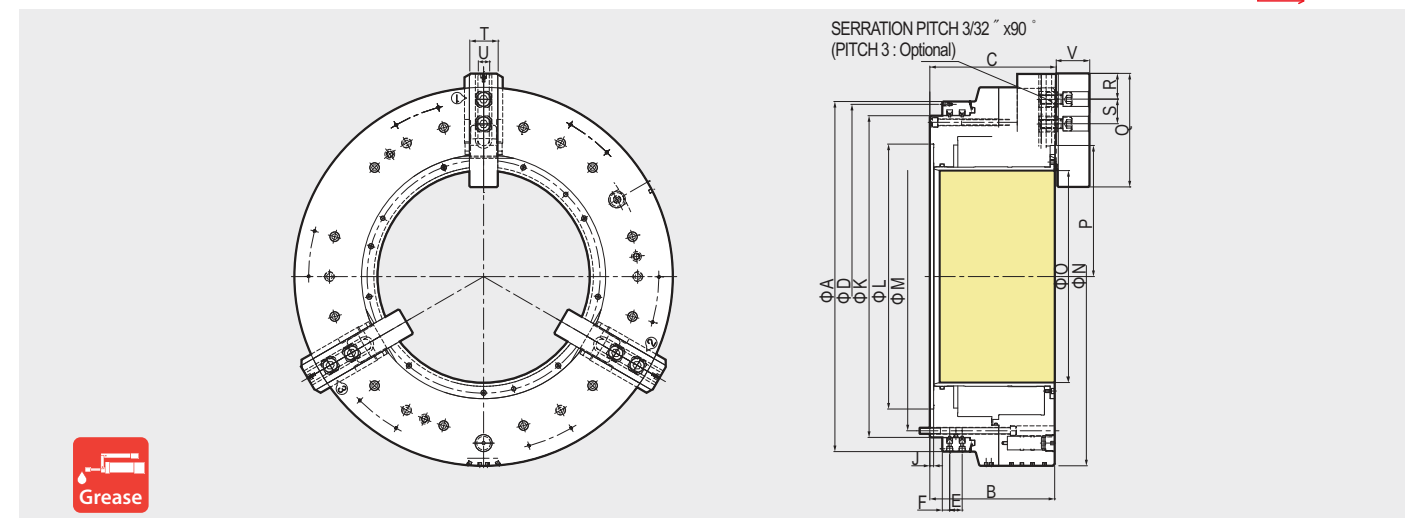
PAC

Mega-Bore Pneumatic Self-Contained Chuck

- Ideal for gripping large diameter pipe
- Built-in non-return valves maintain the air pressure during machining
- Self-contained actuation eliminates the need for hydraulics



PNEUMATIC CHUCK



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



Dimensions

	ΦA	B	C	ΦD	E	F	J	ΦK	ΦL	ΦM	ΦN	ΦO	P Max.	P Min.	Q	R	S	T	U	V
PAC-47191	470	238	240	448	26	17	8	400	310	374	470	191	147	127	170	25	40	60	25.5	60
PAC-50230	570	280	282	550	26	17	8	500	415	474	570	230	180.5	156	195	37	40	60	25.5	80
PAC-60275	605	280	284	585	26	17	8	535	450	508	605	275	205.9	180.5	195	37	40	60	25.5	78
PAC-63325	685	305.5	329.5	666	33	19	8	610	510	580	685	325	230.9	205.5	240	42	65	75	30	80
PAC-85375	850	352	356	830	33	19.5	8	775	700	745	850	375	268	268	300	68	65	75	30	90
PAC-10056	1000	330	334	910	33	19.5	10	850	700	815	1000	560	346.3	321.1	300	68	65	75	30	88

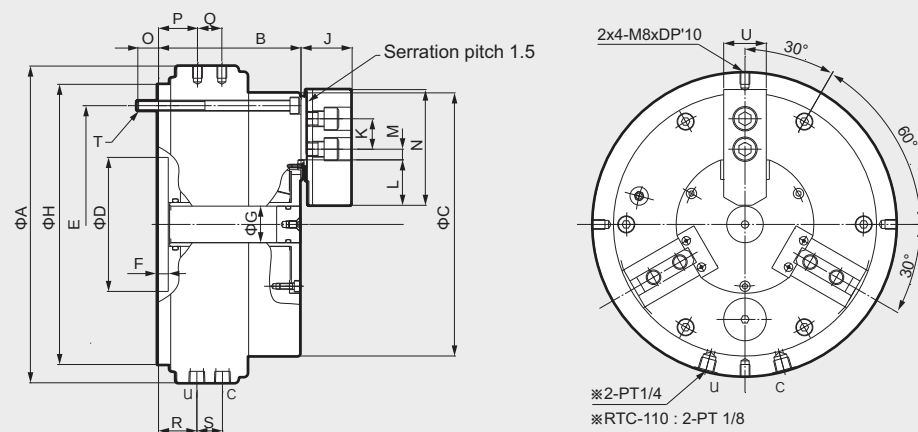
Specifications

Type	Thru Hole Dia.	Jaw Stroke Dia.			Operating Pressure	Clamping Force (6bar)	Max. R.P.M.	Weight	GD ²
	[mm]	Total	Rapid	Clamp	[Bar]	[kN]	[min ⁻¹]	[Kg]	[N·m ² (kgf·m ²)]
PAC-47191	191	20	13	7	2-8	115	1300	190	9.8
PAC-50230	230	25.4	16.9	8.5	2-8	170	1300	325	16.1
PAC-60275	275	25.4	16.9	8.5	2-8	180	1100	355	20.6
PAC-63325	325	25.4	16.9	8.5	2-8	280	900	505	35.1
PAC-85375	375	25.47	13.47	12	2-8	200	750	970	105
PAC-10056	560	25.4	15	10.4	2-8	280	450	960	157.6



- Self-Contained Cylinder Chuck for Compact Installation Area
- Compatible with NC Rotary Table
- Built-in Lock Valve
- Soft-Jaw (Standard) & Hard-Jaw (Optional)

PNEUMATIC CHUCK



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

Dimensions

	Φ A	B	Φ C	Φ D	E	F	Φ G	Φ H	J	K	Lmax.	Lmin.	Mmax.	Mmin.	N	O	P	Q	R	S	T	U
RTC-110	145	92	113	80	98	6	8	124	27	14	32.8	30.2	5.4	2.4	55	11	25.5	12.2	25.5	12.2	M6x95L	23
RTC-160	210	102	166	80	148	7	20	175	36	20	41.9	39.3	9.25	4.75	72	15	31	18	32.3	15.2	M8x105L	31
RTC-210	260	117	216	110	195	8	30	230	42	25	53	49.85	14.75	8.75	95	17	32	20	31.5	21	M8x125L	35
RTC-260	304	125	264	140	234	8	43	268	46	30	66	62.85	16	8.5	110	16	39.5	21	39.5	21	M10x130L	40

Specifications

Type	Thru Hole Dia.	Jaw Stroke Dia.	Plunger Stroke	Max. Static Gripping Force	Max. Pneumatic Pressure	Max. R.P.M.	Weight (included Soft Jaws)	GD ²
	[mm]	[mm]	[mm]	[kN(kgf)]	[MPa(kgf/cm ²)]	[min ⁻¹]	[Kg]	[N·m ² (kgf·m ²)]
RTC-110	8	5.2	11.3	7.5	0.7 (7)	100	7.3	-
RTC-160	20	5.2	11.5	21	0.7 (7)	72	22	-
RTC-210	30	6.3	13.7	33	0.7 (7)	50	27.7	-
RTC-260	43	6.3	13.6	48	0.7 (7)	50	42.5	-

notes



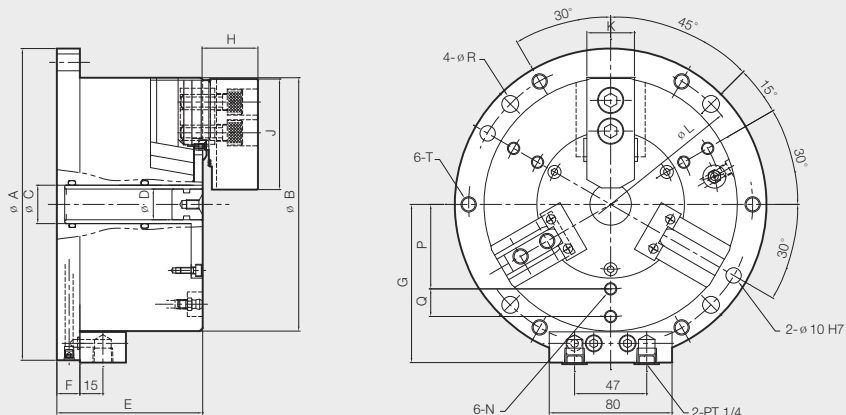
MCA

Stationary Pneumatic Chuck

- Compact design with built-in cylinder allows for larger machining area
- Suitable for long workpieces
- Compatible with air blow



PNEUMATIC CHUCK



Dimensions

	ΦA	ΦB	ΦC	ΦD	E	F	G	H	J	K	N	Φ L(P.C.D)	Q	ΦR	T
MCA-04	148	110	20	-	90	15	75.5	27	55	23	M8	130	-	9	M10
MCA-06	203	165	25	20	95	15	103	36	72	31	M8	185	58	11	M10
MCA-08	248	210	36	30	106	15	125.5	42	95	35	M8	230	68	11	M10
MCA-10	300	254	50	43	110	16	147.5	46	110	40	M10	280	80	13	M12

Specifications

Type	Clamping Force (Pneumatic 6bar)	Jaw Stroke Dia. [mm]	Chucking Dia.		Max. Pneumatic Pressure [bar]	Weight [kg]
	[kgf]		Max. [mm]	Min. [mm]		
MCA-04	7.5kN (765)	5.2	110	10	7	7.3
MCA-06	21kN (2140)	5.2	165	23	7	16
MCA-08	33kN (3300)	6.3	210	30	7	28
MCA-10	48kN (4800)	6.3	254	50	7	43

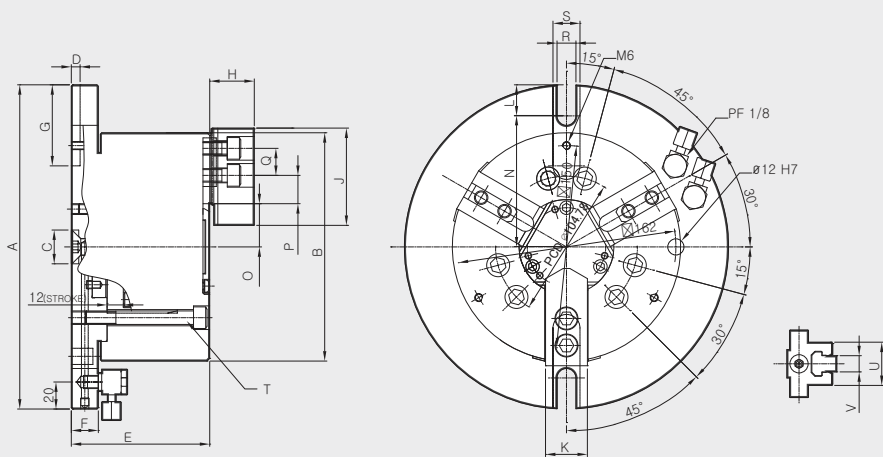
MCH

Stationary Hydraulic Chuck

- Compact design with built-in cylinder enables wider workspace
- Compatible with hydraulic chucks



HYDRAULIC CHUCK



Dimensions

	ΦA	ΦB	ΦC	D	E	F	G	H	J	K	L	N	Omax.	Omin.	Pmax.	Pmin.	Q	R	S	T	U	V
MCH-06	240	169	25	6.5	102.5	20	60	33	72	31	23	97	32	29.25	22.75	9.25	20	14	20	M10	32	12

Specifications

Type	Clamping Force (Hydraulic 6bar)	Jaw Stroke Dia. [mm]	Chucking Dia.		Max. Hydraulic Pressure [bar]	Weight [kg]
	[kgf]		Max. [mm]	Min. [mm]		
MCH-06	57kN (5812)	5.5	169	15	19.5(198.8)	18

HS

Standard 3-Jaw High-Speed Open-Center Chuck

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

HYDRAULIC CHUCK

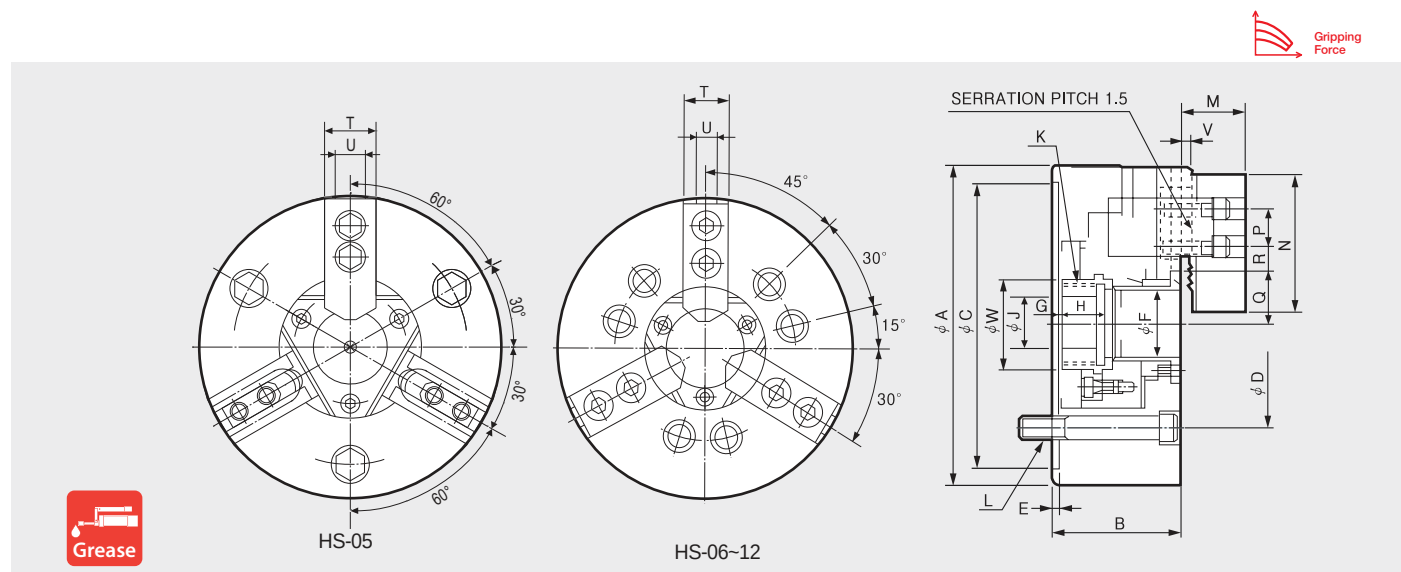


HS-A

3-Jaw High-Speed Open-Center Chuck with Adaptor

- Standard high-speed 3-jaw wedge-style open-center power chuck with adaptor

HYDRAULIC CHUCK



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

Dimensions

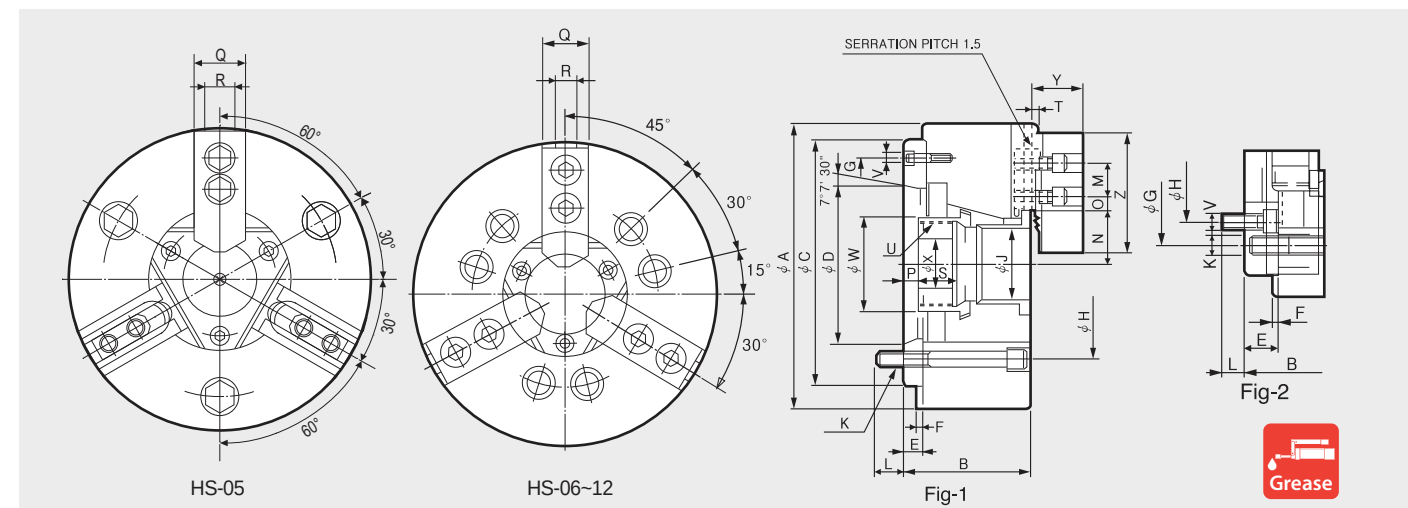
	ΦA	B	ΦC(H6)	ΦD	E	ΦF	Gmax.	Gmin.	H	ΦJ	Kmax.	L	M	N	P	Qmax.	Qmin.	Rmax.	Rmin.	T	U	V	ΦW
HS-05	135	60	110	82.6	4	33	1	-9	20	12	M40x1.5	3-M10x60	26	54	14	26.5	23.8	19.75	7.75	23	10	2	45
HS-06	169	81	140	104.8	5	46	11	-1	19	20	M55x2.0	6-M10x95	29	72	20	32	29.25	22.75	9.25	31	12	2	60
HS-08	210	91	170	133.4	5	52	14.5	-1.5	20.5	30	M60x2.0	6-M12x105	39	95	25	38.7	35	29.75	14.75	35	14	2	66
HS-10	254	100	220	171.4	5	77	8.5	-10.5	25	45	M85x2.0	6-M16x120	43	110	30	51	46.6	33.75	14.25	40	16	2	94
HS-12	304	110	220	171.4	6	91	8	-15	28	50	M100x2.0	6-M16x130	50.5	111	30	61.3	56	45.75	15.75	49	21	2	108

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

Specifications

Type	Thru Hole Dia.	Grip Dia. [mm]	Jaw Stroke Dia.	Plunger Stroke	Permissible Input Force	Max. Static GrippingForce	Max. R.P.M.	Weight	GD²	Operating Cylinder	Max. Hydraulic Pressure	Operating Hard Jaw	KITAGAWA® Model
	[mm]	Max.	Min.	[mm]	[mm]	[kN(kgf)]	[kN(kgf)]	[min-1(r.p.m.)]	[kgf]	[N·m²(kgf·m²)]	[Mpa(kgf/cm²)]		
HS-05	33	135	12	5.4	10	17.5(1784)	36(3671)	7000	6.7	0.69(0.07)	SYH-1036	3.43(35.0)	HB04N1 B-205
HS-06	46	169	15	5.5	12	22(2243)	57(5812)	6000	11.9	2.26(0.23)	SH-13046 (SYH-1246)	2.8(28.6)	HB06A1 B-206
HS-08	52	210	13	7.4	16	34.8(3549)	86(8769)	5000	22.3	6.67(0.68)	SH-15052 (SYH-1552)	2.65(27)	HB08A1 B-208
HS-10	77	254	31	8.8	19	43(4385)	111(11319)	4200	34.5	12.36(1.26)	SH-18077 (SYH-1877)	2.7(27.5)	HB10A1 B-210
HS-12	91	304	34	10.6	23	55(5608)	144(14686)	3300	55.3	28.93(2.95)	SYH2091	2.7(27.5)	HB12N1 B-212

- ※ Maximum turning speed is based upon actual measurement,
- ※ Specifications are subject to change without notice,
- ※ Samcully 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

	ΦA	B	ΦC(H6)	ΦD	E	F	ΦG	ΦH	ΦJ	K	L	M	Nmax.	Nmin.	Omax.	Omin.	Pmax.	Pmin.	Q	R	S	T	Umax.	V	ΦW	ΦX	Y	Z
HS-05A05	135	72	110	82.56	16	4	104.8	104.8	33	3-M10x75	14	14	26.5	23.8	19.75	7.75	17	7	23	10	20	2	M40x1.5	3xM6	47	-	26	54
HS-06A05	169	91	140	82.563	15	5	116	104.8	46	6-M10x95	16	20	32	2925	22.75	925	26	14	31	12	19	2	M55x2	3xM6	60	20	29	72
HS-08A06	210	103	170	106.375	17	5	150	133.4	52	6-M12x105	18	25	38.7	35	29.75	14.75	31.5	15.5	35	14	20.5	2	M60x2	6xM6	66	30	39	95
HS-10A06	254	120	220	106.375	25	5	171.4	133.4	77	6-M16x100	18.5	30	51	46.6	33.75	14.25	33.5	14.5	40	16	25	2	M75x2	6xM12	94	45	43	110
HS-10A08	254	113	220	139.719	18	5	190	171.4	77	6-M16x120	24	30	51	46.6	33.75	14.25	26.5	7.5	40	16	25	2	M85x2	6xM8	94	45	43	110
HS-12A06	304	129	220	106.375	25	6	171.4	133.4	91	6-M16x110	18.5	30	61.3	56	45.75	15.75	33	10	49	21	28	2	M90x2	6xM12	108	50	50.5	111
HS-12A08	304	122	220	139.719	18	6	190	171.4	91	6-M16x130	25	30	61.3	56	45.75	15.75	26	3	49	21	28	2	M100x2	6xMB	108	50	50.5	111

- ※ Blank and machined draw-nuts are available,
- ※ "U" is Max. Draw nut size,
- ※ Refer to Fig-2 for HS-10A06, HS-12A06,

Specifications

Type	Spindle Nose	Thru Hole Dia.	Grip Dia. [mm]	Jaw Stroke Dia.	Plunger Stroke	Max.Permissible Input Force	Max. Static GrippingForce	Max. R.P.M.	Weight	GD²	Operating Cylinder	Max. Hydraulic Pressure	Operating Hard Jaw	KITAGAWA® Model
		[mm]	Max.	Min.	[mm]	[mm]	[kN(kgf)]	[kN(kgf)]	[min-1(r.p.m.)]	[kgf]	[N·m²(kgf·m²)]	[Mpa(kgf/cm²)]		
HS-05A05	A2-5	33	135	12	5.4	10	17.5(1784)	36(3671)	7000	7.5	0.687(0.07)	SYH-1036	3.43(35.0)	HB04N1 B-205
HS-06A05	A2-5	46	169	15	5.5	12	22(2243)	57(5812)	6000	13.7	2.45(0.250)	SH-13046 (SYH-1246)	2.8(28.6)	HB06A1 B-206A5
HS-08A06	A2-6	52	210	13	7.4	16	34.8(3549)	86(8769)	5000	23.6	6.9(0.71)	SH-15052 (SYH-1552)	2.65(27)	HB08A1 B-208A6
HS-10A06	A2-6	77	254	31	8.8	19	43(4385)	111(11319)	4200	41.5	12.75(1.3)	SH-18077 (SYH-1877)	2.7(27.5)	HB10A1 B-210A6
HS-10A08	A2-8	77	254	34	8.8	19	43(4385)	111(11319)	4200	40	12.65(1.29)	SYH-18077 (SYH-1877)	2.7(27.5)	HB10A1 B-210A8
HS-12A06	A2-6	91	304	42	10.6	23	55(5608)	144(14684)	3300	67	30.6(3.12)	SYH-2091	2.7(27.5)	HB12N1 B-212A6
HS-12A08	A2-8	91	304	50	10.6	23	55(5608)	144(14684)	3300	64	30.0(3.06)	SYH-2091	2.7(27.5)	HB12N1 B-212A8

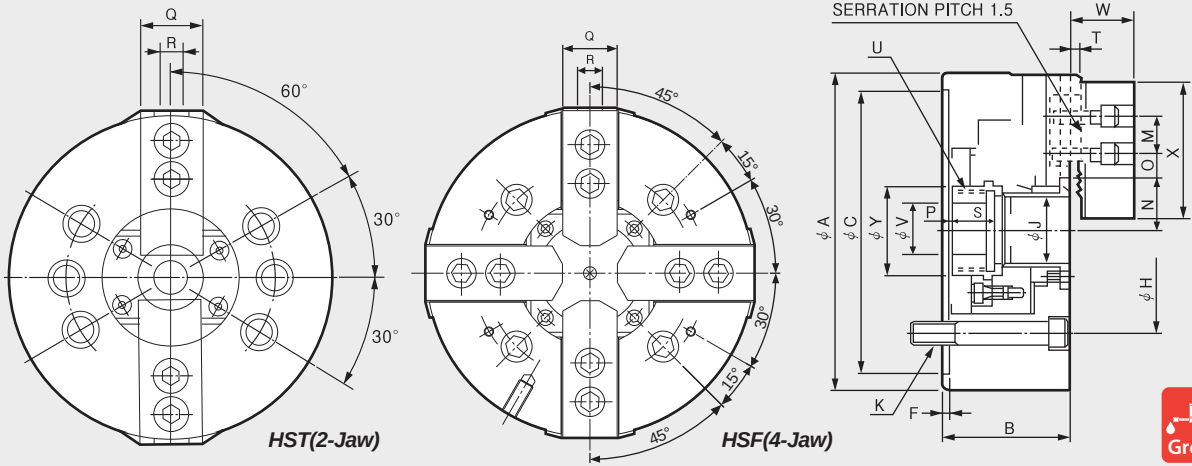
- ※ Maximum turning speed is based upon actual measurement,
- ※ Specifications are subject to change without notice,
- ※ HS-10A06 and HS-10A08 are available with 75mm and 77mm thru holes,
- ※ Samcully Machinery Co., Ltd. is no longer an OEM manufacturer for Kitagawa® Iron Works Co., Ltd,

HST / HSF

2-Jaw, 4-Jaw High-Speed Open-Center Chuck

- 2-jaw, 4-jaw high-speed wedge-style open-center power chuck

HYDRAULIC CHUCK



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

Dimensions

	ΦA	B	ΦC(H6)	F	ΦH	ΦJ	K	M	Nmax.	Nmin.	Omax.	Omin.	Pmin	Pmax	Q	R	S	Y	Umax.	ΦV	W	X	ΦY
HST-06	169	81	140	5	104.8	46	6-M10x95	20	32	29.25	22.75	9.25	-1	11	31	12	19	2	M55x2.0	20	29	66	60
HST-08	210	91	170	5	133.4	52	6-M12x105	25	38.7	35	30	15	-1.5	14.5	35	14	20.5	2	M60x2.0	30	39	95	66
HST-10	254	100	220	5	171.4	77	6-M16x100	30	51	46.6	34	14.5	-10.5	8.5	40	16	25	2	M85x2.0	45	43	110	94
HST-12	304	110	220	6	171.4	91	6-M16x110	30	61.3	56	45.75	15.75	-15	8	49	21	28	2	M100x2.0	50	50.5	111	108
HSF-08	210	91	170	5	133.4	52	4-M10x105	25	38.7	35	29.75	14.75	-1.5	14.5	35	14	20.5	2	M60x2.0	30	39	95	66
HSF-10	254	100	220	5	171.4	77	4-M12x120	30	51	46.6	33.75	14.25	-11	8.5	40	16	25	2	M85x2.0	45	43	110	94
HSF-12	304	110	220	5	171.4	91	4-M16x130	30	61.3	56	45.75	15.75	-15	8	49	21	28	2	M100x2.0	50	50.5	111	108

※ Blank and machined draw-nuts are available,
※ "U" is Max. Draw nut size,

Specifications

Type	Thru Hole Dia.	Grip Dia. [mm]		Jaw Stroke Dia.	Plunger Stroke	Max. Permissible Input Force	Max. Static Gripping Force	Max. R.P.M.	Weight	GD ²	Operating Cylinder	Max. Hydraulic Pressure	KITAGAWA® Model
	[mm]	Max.	Min.	[mm]	[mm]	[kN(kgf)]	[kN(kgf)]	[min ⁻¹ (r.p.m.)]	[kgf]	[N·m ² (kgf·m ²)]		[Mpa(kgf/cm ²)]	
HST-06	46	169	15	5.5	12	14.5((1479)	38(3875)	6000	11.5	2.21(0.225)	SH-13046 (SYH-1246)	1.85(18.9)	BT-206
HST-08	52	210	13	7.4	16	23.2(2366)	57.3(5843)	5000	21.3	6.47(0.66)	SH-15052 (SYH-1552)	1.80(18.4)	BT-208
HST-10	77	254	31	8.8	19	28.5(2906)	74(7546)	4200	33.5	12.06(1.23)	SH-18077 (SYH-1877)	1.80(18.4)	BT-210
HST-12	91	304	34	10.6	23	36.7(3742)	96(9789)	3300	52	27.46(2.8)	SYH-2091	1.81(18.5)	BT-212
HSF-08	52	210	13	7.4	16	23.2(2366)	57.3(5843)	5000	22.5	6.67(0.68)	SH-15052 (SYH-1552)	1.80(18.4)	-
HSF-10	77	254	31	8.8	19	28.5(2906)	74(7546)	4200	34.5	12.08(1.24)	SH-18077 (SYH-1877)	1.80(18.4)	-
HSF-12	91	304	34	10.6	23	36.7(3742)	96(9789)	3300	52	27.42(2.8)	SYH-2091	1.80(28.5)	-

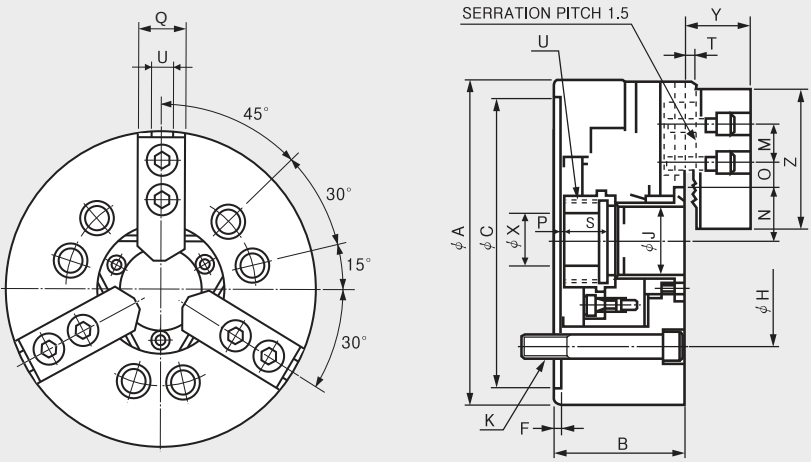
※ Maximum turning speed is based upon actual measurement,
※ Specifications are subject to change without notice,
※ Samcully Machinery Co., Ltd, is no longer an OEM manufacturer for Kitagawa® Iron Works Co., Ltd,

HSL

3-Jaw High-Speed Open-Center Long-Stroke Chuck

- Long-stroke high-speed 3-jaw wedge-style open-center power chuck

HYDRAULIC CHUCK



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

Dimensions

	ΦA	B	ΦC(H6)	F	ΦH	ΦJ	K	M	Nmax.	Nmin.	Omax.	Omin.	Pmax.	Pmin.	Q	R	S	T	Umax.	W	ΦX	Y	Z
HSL-06	169	84	140	5	104.8	33	6-M10	20	39.3	29.2	16.75	9.25	14	-1	31	12	19	2	M42x1.5	47	20	32.5	72
HSL-08	215	99	170	5	133.4	46	6-M10	25	52.3	39.6	20.7	11.5	15.5	-6.5	35	14	22.5	2	M55x2.0	66	30	39	95
HSL-10	254	110	220	5	171.4	53	6-M16	30	62	46.9	26.2	9.7	14.5	-10.5	40	16	25	2	M65x2.0	80	45	43	110
HSL-12	304	130	220	6	171.4	63	6-M16	30	72.4	54.4	38.2	8.2	15	-15	49	21	28	3	M75x2.0	83	50	50.5	111

※ Blank and machined draw-nuts are available,
※ "U" is Max. Draw nut size,

Specifications

Type	Thru Hole Dia.	Grip Dia. [mm]	Jaw Stroke Dia.	Plunger Stroke	Max. Permissible Input Force	Max. Static Gripping Force	Max. R.P.M.	Weight	GD ²	Operating Cylinder	Max. Hydraulic Pressure	Operating Hard Jaw	KITAGAWA® Model
	[mm]	Max.	Min.	[mm]	[mm]	[kN(kgf)]	[kN(kgf)]	[min ⁻¹ (r.p.m.)]	[kgf]	[N·m ² (kgf·m ²)]		[Mpa(kgf/cm ²)]	
HSL-06	33	169	28	20.2	15	27.9(2845)	31.2(3182)	4500	14	1.67(0.17)	SH-13046 (SYH-1246)	3.40(34.7)	HB06A1 BL-206
HSL-08	46	215	32	25.4	22	41.1(4191)	49.0(4997)	3300	25	7.75(0.79)	SH-15052 (SYS-1552)	2.99(30.5)	HB08A1 BL-208
HSL-10	53	254	42	30	25	53.8(5486)	63.0(6427)	3000	45	12(1.2)	SH-18077 (SYH-1877)	3.20(32.6)	HB10A1 BL-210
HSL-12	63	304	43	36	30	69.3(7067)	80.4(8199)	2200	78	36(3.67)	SYH-2091	3.22(32.8)	HB12N1 BL-212

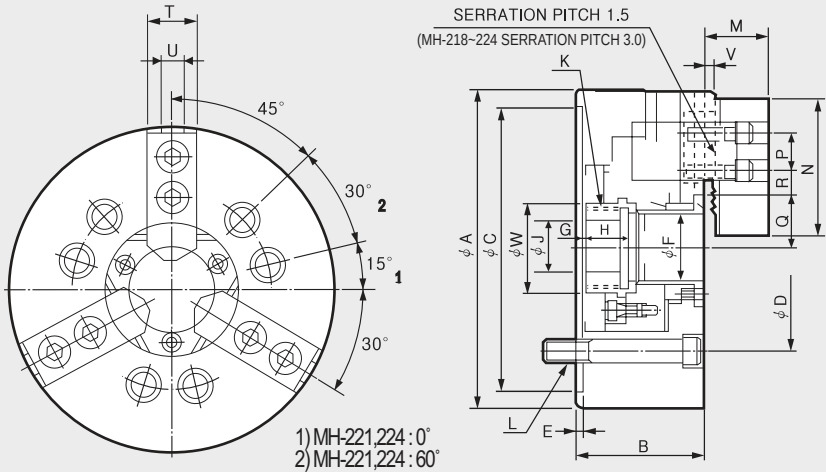
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MH

Standard Mega Bore 3-Jaw High-Speed Open-Center Chuck

- Mega-bore 3-jaw wedge-style
- open-center power chuck

HYDRAULIC CHUCK



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

Dimensions

	ΦA	B	ΦC(H6)	ΦD	E	ΦF	Gmax.	Gmin.	H	ΦJ	Kmax.	L	M	N	P	Qmax.	Qmin.	Rmax.	Rmin.	T	U	V	ΦW
MH-206	175	81	140	104.8	5	52	14	-1	17.5	20	M60x2.0	3-M10x95	33	72	20	38	34.8	21.75	10.25	31	12	2	65
MH-208	210	91	170	133.4	5	66	7.5	-10	27	30	M75x2.0	6-M12x115	39	95	25	45.7	42	23.75	11.75	35	14	2	80
MH-210	254	100	220	171.4	5	82	8.5	-10.5	25	52	M90x2.0	6-M16x120	43	110	30	54.5	50.1	32.25	14.25	40	16	2	101
MH-212	315	110	300	235	6	103	8	-15	28	82.5	M116x2.0	6-M20x130	51	111	30	67.3	62	45.75	15.75	49	21	2	124
MH-218	457	135	380	300.2	6	166.5	8	-23	50	107	M175x3.0	6-M20x130	69	165	50	102	96.25	58.25	20.25	69	22	5	186
MH-221	530	140	380	330.2	6	166.5	11	-12	39	80	M180x3.0	6-M22x140	73	180	60	111.75	106.5	72.5	21.5	65	25	5	197
MH-224	610	149	380	330.2	6	190	20	-3	40.5	80	M200x3.0	6-M22x150	73	180	60	119.5	114.2	105.5	21.5	65	25	5	210

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

Specifications

Type	Thru Hole Dia.	Grip Dia. [mm]		Jaw Stroke Dia.	Plunger Stroke	Max. Permissible Input Force	Max. Static Gripping Force	Max. R.P.M.	Weight	GD ²	Operating Cylinder	Max. Hydraulic Pressure	Operating Hard Jaw	KITAGAWA® Model
	[mm]	Max.	Min.	[mm]	[mm]	[kN(kgf)]	[kN(kgf)]	[min ⁻¹ (r.p.m.)]	[kgf]	[N·m ² (kgf·m ²)]		[Mpa(kgf/cm ²)]		
MH-206	52	175	16.5	6.4	15	24.7(2551)	57.3(5847)	6000	11.9	2.26(0.23)	SH-15052 (SYH-1552)	1.78(18.1)	HB06A1	-
MH-208	66	210	23	7.4	17.5	36.4(3596)	87(8872)	5000	23	5.6(0.57)	SH-17068 (SYH-1768)	2.34(23.9)	HB08A1	-
MH-210	82	254	30	8.8	19	49(4976)	126.6(12848)	4500	32	12.37(1.26)	SH-19082	2.74(28)	HB10A1	-
MH-212	103	315	54	10.6	23	55(5608)	144(14686)	3500	55.3	28.93(2.95)	SH-21010	2.65(27.2)	HB12N1	-
MH-218	166.5	457	73	11.5	25	71(7240)	180(18355)	2000	170	174.6(17.8)	SYHL-2816	3.07(32)	HB15A1	-
MH-221	166.5	530	105	10.6	23	90(9177)	220(22460)	1700	228	342.1(34.7)	SYHL-2816	2.86(29.1)	HB18B2	-
MH-224	190	610	120	10.6	23	90(9177)	234(23861)	1400	293	651(66.4)	SHL-39024	1.57(16.1)	HB18B2	-

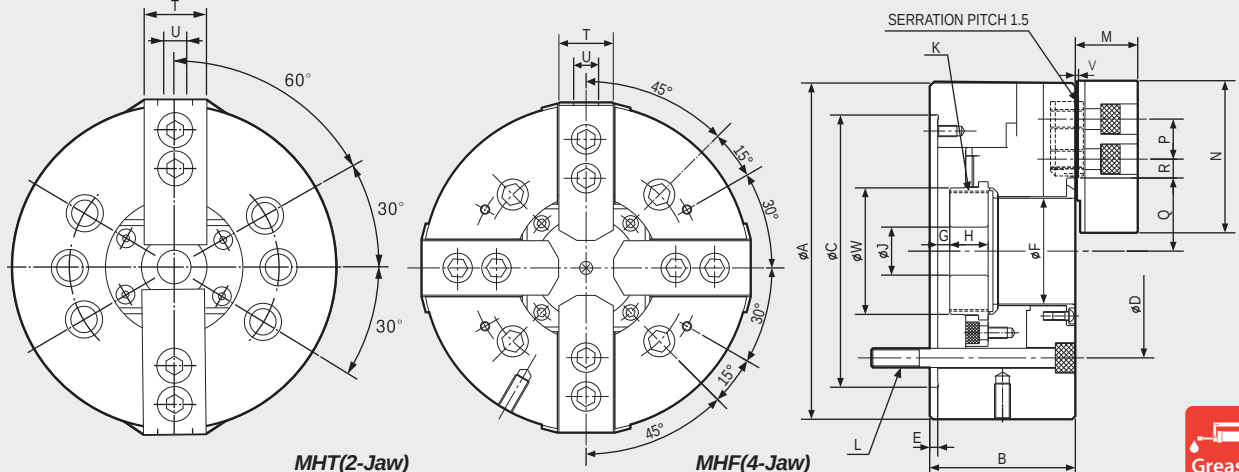
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MHT / MHF

Mega Bore 2-Jaw / 4-Jaw Ultrahigh-Speed Open-Center Chuck

- Mega Bore 2-jaw, 4-jaw high-speed wedge-style
- open-center power chuck

HYDRAULIC CHUCK



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

Dimensions

	ΦA	B	ΦC(H6)	ΦD	E	ΦF	Gmax.	Gmin.	H	ΦJ	Kmax.	L	M	N	P	Qmax.	Qmin.	Rmax.	Rmin.	T	U	V	ΦW
MHT-206	175	81	140	104.8	5	52	14	-1	17.5	20	M60x2.0	6-M10x 95	32.5	72	20	38	34.8	21.75	10.25	31	12	2	65
MHT-208	210	91	170	133.4	5	66	7.5	-10	27	30	M75x2.0	6-M12x115	39	95	25	45.7	42	23.75	11.75	35	14	2	80
MHF-208	210	91	170	133.4	5	66	7.5	-10	27	30	M75x2.0	4-M12x115	39	95	25	45.7	42	23.75	11.75	35	14	2	80

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

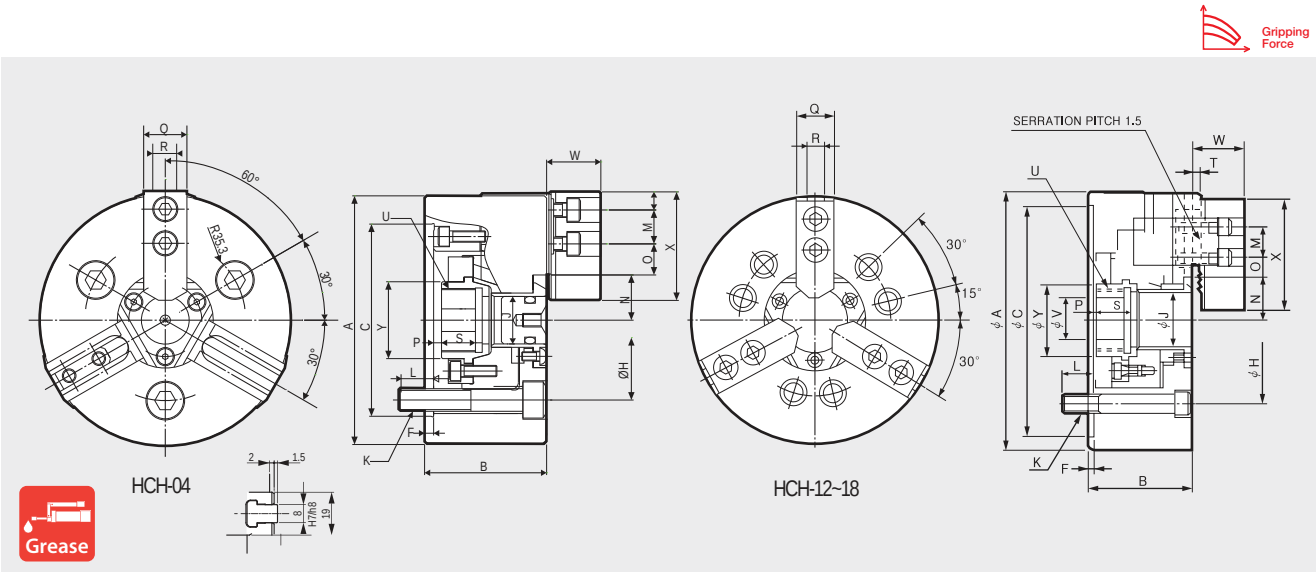
Specifications

Type	Thru Hole Dia.	Grip Dia. [mm]		Jaw Stroke Dia.	Plunger Stroke	Max.Permissible Input Force	Max. Static Gripping Force	Max. R.P.M.	Weight	GD ²	Operating Cylinder	Max. Hydraulic Pressure	Operating Hard Jaw	KITAGAWA® Model
	[mm]	Max.	Min.	[mm]	[mm]	[kN(kgf)]	[kN(kgf)]	[min ⁻¹ (r.p.m.)]	[kgf]	[N·m ² (kgf·m ²)]		[Mpa(kgf/cm ²)]		
MHT-206	52	175	16.5	6.4	15	16.6(1700)	38(3875)	6000	11.5	2.2(0.225)	SYH-15052 (SYH-1552)	1.18(12)	HB06A1	-
MHT-208	66	210	23	7.4	17.5	23.5(2397)	57.9(5914)	5000	21.7	6.47(0.66)	SH-17068 (SYH-1768)	1.59(16.3)	HB06A1	-
MHF-208	66	210	23	7.4	17.5	23.25(2397)	57.9(5914)	5000	23.5	5.59(0.57)	SH-17068 (SYH-1768)	1.59(163.3)	HB08A1	-

※ Maximum turning speed is based upon actual measurement.
※ Specifications are subject to change without notice.
※ Samcully Machinery Co., Ltd. is no longer an OEM manufacturer for Kitagawa® Iron Works Co., Ltd.

■ Standard 3-jaw wedge-style open-center chuck

HYDRAULIC CHUCK



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

Dimensions

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

※ Blank and machined draw-nuts are available.
※ "U" is Max. Draw nut size.

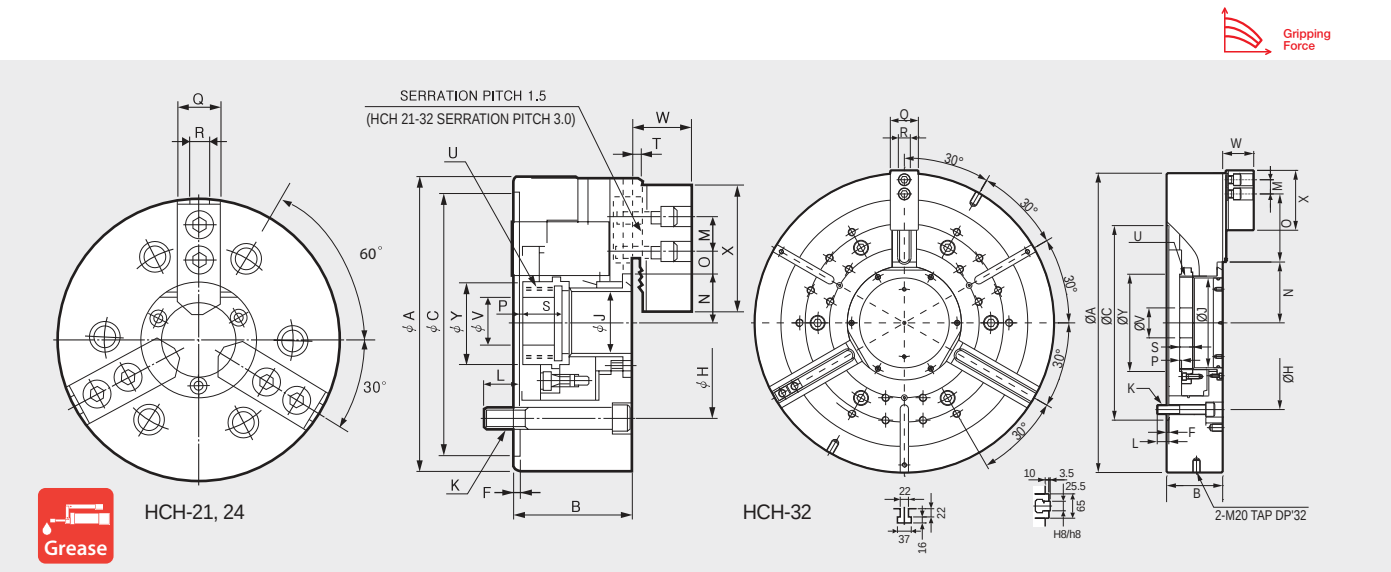
Specifications

Type	Thru Hole Dia.	Grip Dia. [mm]		Jaw Stroke Dia.	Plunger Stroke	Max. Permissible Input Force	Max. Static Gripping Force	Max. R.P.M.	Weight	GD²	Operating Cylinder	Max. Hydraulic Pressure	Operating Hard Jaw	KITAGAWA® Model
	[mm]	Max.	Min.	[mm]	[mm]	[kN(kgf)]	[kN(kgf)]	[min ⁻¹ (r.p.m.)]	[kgf]	[N·m²(kgf·m²)]		[Mpa(kgf/cm²)]		
HCH-04	21	110	5	4.2	6.5	8(800)	13(1350)	5500	3.7	0.2(0.024)	HYH-0933	2.2(22.4)	HB04A1	B-04
HCH-12	78	304	19	10.6	23	49(4997)	129(13150)	3000	63	29.71(3.03)	SH-19082	2.3(23.5)	HB12B1	B-12
HCH-15	117.5	381	30	10.6	23	71(7240)	180(18355)	2500	120	89.41(9.09)	SH-25011	2.3(23.5)	HB15A1	B-15
HCH-18	117.5	450	30	10.6	23	71(7240)	180(18355)	2000	164	174.6(17.8)	SH-25011	2.3(23.5)	HB15A1	B-18

※ Maximum turning speed is based upon actual measurement.
※ Specifications are subject to change without notice.
※ Samcully Machinery Co., Ltd. is no longer an OEM manufacturer for Kitagawa® Iron Works Co., Ltd.

■ Standard 3-jaw wedge-style open-center chuck

HYDRAULIC CHUCK



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

Dimensions

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

※ Blank and machined draw-nuts are available.
※ "U" is Max. Draw nut size.

Specifications

Type	Thru Hole Dia.	Grip Dia. [mm]		Jaw Stroke Dia.	Plunger Stroke	Max. Permissible Input Force	Max. Static Gripping Force	Max. R.P.M.	Weight	GD²	Operating Cylinder	Max. Hydraulic Pressure	Operating Hard Jaw	KITAGAWA® Model
	[mm]	Max.	Min.	[mm]	[mm]	[kN(kgf)]	[kN(kgf)]	[min ⁻¹ (r.p.m.)]	[kgf]	[N·m²(kgf·m²)]		[Mpa(kgf/cm²)]		
HCH-21	140	530	87	10.6	23	90(9177)	234(23861)	1700	235	351.1(35.8)	SH-25011	3.0(30.6)	HB18B2	B-21
HCH-24	165	610	110	10.6	23	90(9177)	234(23861)	1400	293	651.2(66.4)	SYHL-2816	3.0(30.6)	HB18B2	B-24
HCH-32	240	800	240	18	34	100(10193)	240(24464)	1200	530	598.4(61)	SYHL-2816	3.2(33.6)	HB32B2	-

※ Maximum turning speed is based upon actual measurement.
※ Specifications are subject to change without notice.
※ Samcully Machinery Co., Ltd. is no longer an OEM manufacturer for Kitagawa® Iron Works Co., Ltd.

HCH-A

3-Jaw Open-Center Chuck with adaptor (165mm - 304mm)

■ 3-jaw wedge-style power chuck with adaptor plate

HYDRAULIC CHUCK

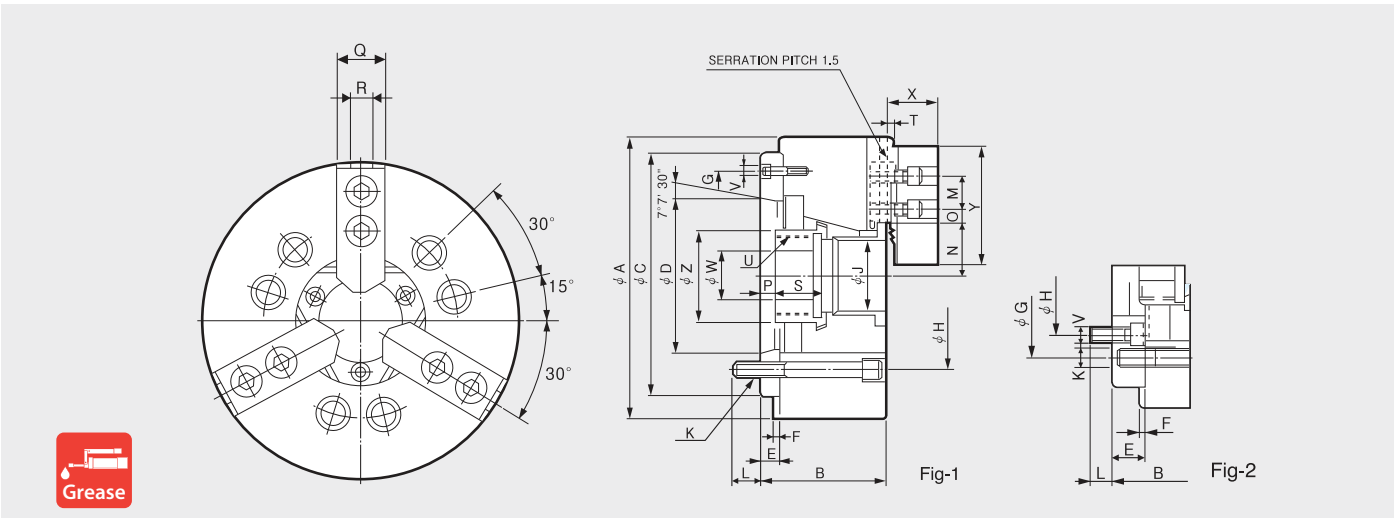


HCH-A

3-Jaw Open-Center Chuck with adaptor (381mm - 610mm)

■ 3-jaw wedge-style power chuck with adaptor plate

HYDRAULIC CHUCK



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

Dimensions

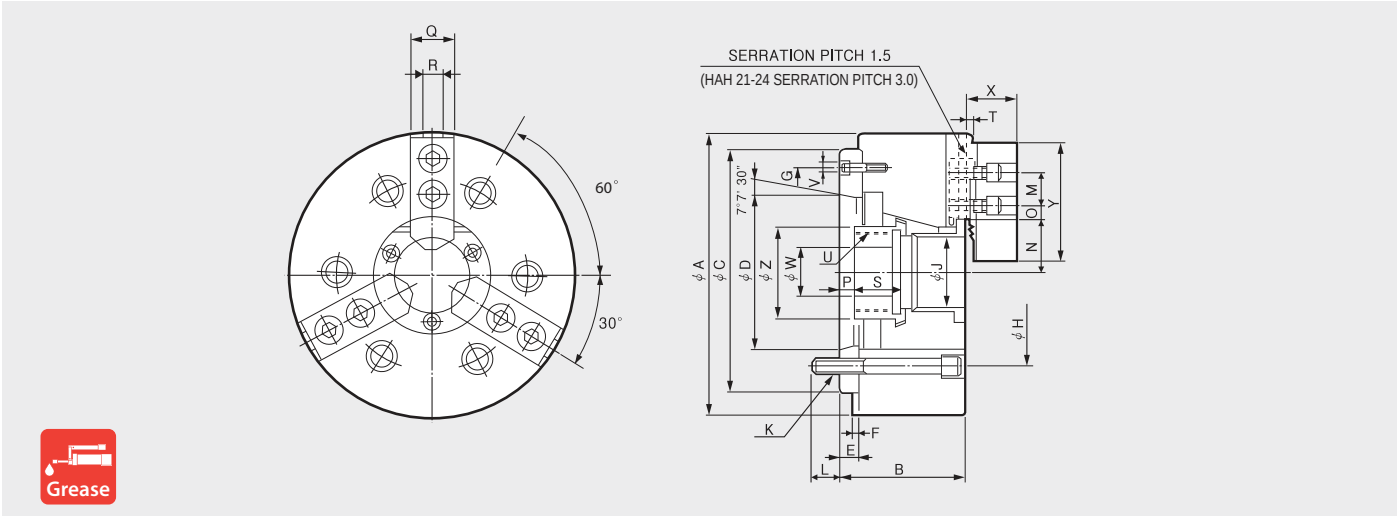
	ΦA	B	ΦC(H6)	ΦD	E	F	ΦG	ΦH	ΦJ	K	L	M	Nmax.	Nmin.	Omax.	Omin.	Pmax.	Pmin.	Q	R	S	T	Umax.	V	ΦW	X	Y	ΦZ
HCH-12A06	304	129	220	106.375	25	6	171.4	133.4	78	6-M16x110	18.5	30	58	52.7	48.75	12.75	33	10	49	18	38	5	M88x2.0	6-M12	50	53.5	129	96
HCH-12A08	304	122	220	139.719	18	6	190	171.4	78	6-M16x130	25	30	58	52.7	48.75	12.75	26	3	49	18	38	5	M88x2.0	3-M8	50	53.5	129	96
HCH-15A08	381	160	300	139.719	33	6	235	171.4	117.5	6-M20x130	24	43	82	76.7	43.75	18.25	44	21	62	22	39	5	M130x2.0	6-M16	60	70	165	139
HCH-15A11	381	149	300	196.869	22	6	260	235	117.5	6-M20x150	28	43	82	76.7	43.75	18.25	33	10	62	22	39	5	M130x2.0	3-M10	60	70	165	139
HCH-18A11	450	149	380	196.869	22	6	320	235	117.5	6-M20x150	28	43	82	76.7	78.28	18.25	33	10	62	22	39	5	M130x2.0	3-M10	60	70	165	139

※ Blank and machined draw-nuts are available.
※ "U" is Max. Draw nut size.
※ Refer to Fig-2 for HCH-12A06, HCH-15A08.

Specifications

Type	Spindle Nose No.	Thru Hole Dia.	Grip Dia. [mm]		Jaw Stroke Dia.	Plunger Stroke	Max. Permissible Input Force	Max. Static Gripping Force	Max. R.P.M.	Weight	GD ²	Operating Cylinder	Max. Hydraulic Pressure	Operating Hard Jaw	KITAGAWA® Model
		[mm]	Max.	Min.	[mm]	[mm]	[kN(kgf)]	[kN(kgf)]	[min. ⁻¹ (r.p.m.)]	[kgf]	[N·m ² (kgf·m ²)]		[Mpa(kgf/cm ²)]		
HCH-12A06	A2-6	78	304	19	10.6	23	49(4997)	129(13150)	3000	69	31.38(3.20)	SYH-2091	2.3(23.5)	HB12B1	B-12A6
HCH-12A08	A2-8	78	304	19	10.6	23	49(4997)	129(13150)	3000	66	30.79(3.14)	SYH-2091	2.3(23.5)	HB12B1	B-12A8
HCH-15A08	A2-8	117.5	381	30	10.6	23	71(7240)	180(18355)	2500	134	96.89(9.88)	SH-25011	2.3(23.5)	HB15A1	B-15A8
HCH-15A11	A2-11	117.5	381	30	10.6	23	71(7240)	180(18355)	2500	127	93.55(9.54)	SH-25011	2.3(23.5)	HB15A1	B-15A11
HCH-18A11	A2-11	117.5	450	30	10.6	23	71(7240)	180(18355)	2000	178	187.30(19.1)	SH-25011	2.3(23.5)	HB15A1	B-18A11

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※ Specifications are subject to change without notice.
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It is recommended to grease chucks at least twice a day in order to maximize longevity.

Dimensions

	ΦA	B	ΦC(H6)	ΦD	E	F	ΦG	ΦH	ΦJ	K	L	M	Nmax.	Nmin.	Omax.	Omin.	Pmax.	Pmin.	Q	R	S	T	Umax.	V	ΦW	X	Y	ΦZ
HCH-21A15	530	161	380	285.775	27	6	330.2	330.2	140	6-M22x170	34	60	98.5	93.2	87.5	21.5	38	15	65	25	39	5	M155x3.0	3-M12	80	72	180	170
HCH-24A15	610	170	380	285.775	27	6	330.2	330.2	165	6-M22x180	35	60	108	102.7	117.5	21.5	47	24	65	25	40	5	M175x3.0	3-M12	80	72	180	187

※ Blank and machined draw-nuts are available.
※ "U" is Max. Draw nut size.
※ HCH-21A15 and HCH-24A15 are available with M22 or M24 mounting bolts.

Specifications

Type	Spindle Nose No.	Thru Hole Dia.	Grip Dia. [mm]		Jaw Stroke Dia.	Plunger Stroke	Max. Permissible Input Force	Max. Static Gripping Force	Max. R.P.M.	Weight	GD ²	Operating Cylinder	Max. Hydraulic Pressure	Operating Hard Jaw	KITAGAWA® Model
		[mm]	Max.	Min.	[mm]	[mm]	[kN(kgf)]	[kN(kgf)]	[min. ⁻¹ (r.p.m.)]	[kgf]	[N·m ² (kgf·m ²)]		[Mpa(kgf/cm ²)]		
HCH-21A15	A2-15	140	530	87	10.6	23	90(91770)	234(23861)	1700	246	362.83(37.0)	SH-25011	3.0(30.6)	HB18B2	B-21A15
HCH-24A15	A2-15	165	610	110	10.6	23	90(9177)	234(23861)	1400	304	660.94(67.4)	SYHL-2816	3.0(30.6)	HB18B2	B-24A15

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※ Specifications are subject to change without notice.
※ Samcully Machinery Co., Ltd. is no longer an OEM manufacturer for Kitagawa® Iron Works Co., Ltd.

HCHT / HCHF

2-Jaw,4-Jaw Open-Center Chuck

- 2-jaw wedge-style open-center power chuck
- 4-jaw wedge-style open-center power chuck

HYDRAULIC CHUCK

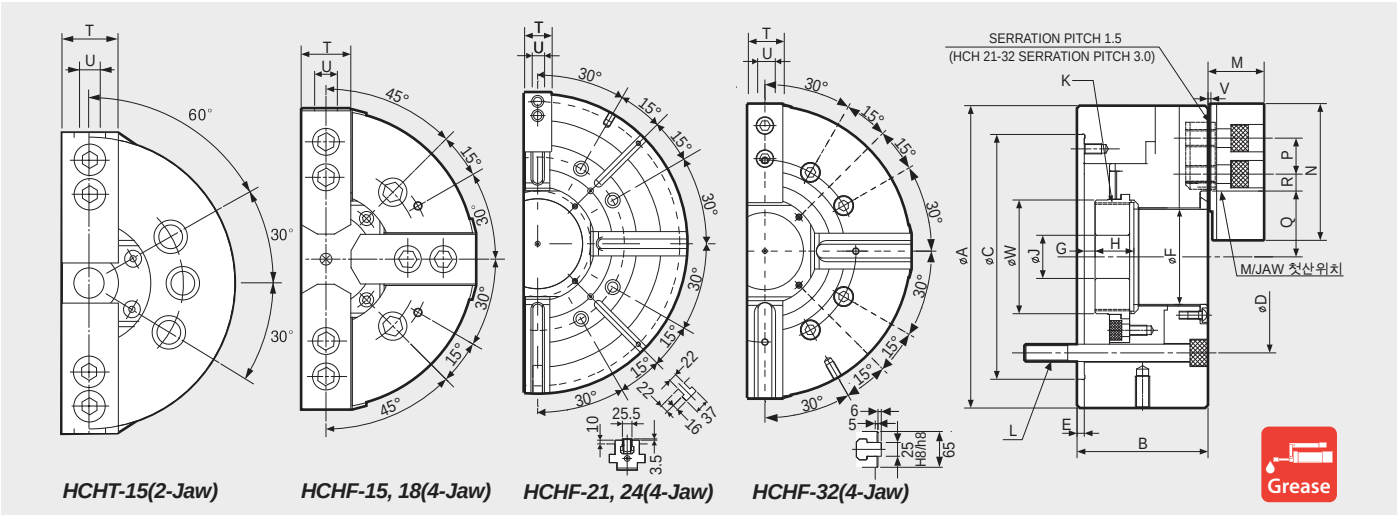


HC

Standard 3-Jaw Closed-Center Chuck (110mm - 304mm)

- Standard 3-jaw wedge-style closed-center power chuck

HYDRAULIC CHUCK



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

Dimensions

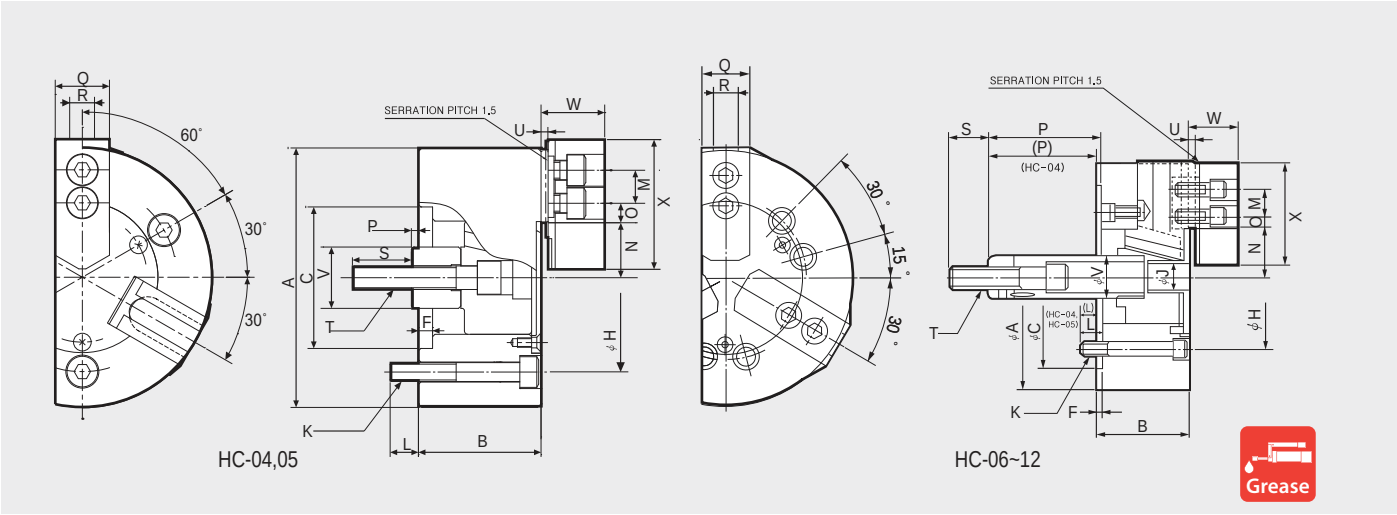
	ΦA	B	ΦC(H6)	ΦD	E	ΦF	Gmax.	Gmin.	H	ΦJ	Kmax.	L	M	N	P	Qmax.	Qmin.	Rmax.	Rmin.	T	U	V	ΦW
HCHT-15	381	133	300	235	6	117.5	11	-12	39	60	M130x2.0	6-M20x150	70	165	43	82	76.7	43.75	18.25	62	22	5	139
HCHF-15	381	133	300	235	6	118	11	-12	39	60	M130x2.0	4-M20x150	70	165	43	82	76.7	43.75	18.25	62	22	5	139
HCHF-18	450	133	380	235	6	118	11	-12	39	60	M130x2.0	4-M20x130	70	165	43	82	76.7	78.25	18.25	62	22	5	136
HCHF-21	530	140	380	330.2	6	140	11	-12	39	80	M155x3.0	8-M22x140	72	180	60	98.5	93.2	87.5	21.5	65	25	5	170
HCHF-24	610	149	380	330.2	6	165	20	-3	40	80	M175x3.0	8-M22x150	72	180	60	102.7	108	117.5	21.5	65	25	5	187
HCHF-32	800	150	520	463.6	6	240	34	0	34.5	80	M250x3.0	8-M24x130	83	160	38	162.6	153.6	182	20	75	25.5	3.5	260

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

Specifications

Type	Thru Hole Dia.			Grip Dia. [mm]	Jaw Stroke Dia.	Plunger Stroke	Max. Permissible Input Force	Max. Static Gripping Force	Max. R.P.M.	Weight	GD ²	Operating Cylinder	Max. Hydraulic Pressure	Operating Hard Jaw	KITAGAWA® Model
	[mm]	Max.	Min.		[mm]	[mm]	[kN(kgf)]	[kN(kgf)]	[min ⁻¹ (r.p.m.)]	[kgf]	[N·m ² (kgf·m ²)]		[Mpa(kgf/cm ²)]		
HCHT-15	117.5	381	30	10.6	23	47(4793)	120(12236)	2500	115	87.28(8.90)		SH-25011	1.5(15.3)	HB15A1	BT-15
HCHF-15	117.5	381	30	10.6	23	47(4793)	120(12236)	2500	115	87.3(8.90)		SH-25011	1.5(15.3)	HB15A1	-
HCHF-18	117.5	450	30	10.6	23	47(4793)	120(12236)	2000	159	165.8(16.9)		SH-25011	1.5(15.3)	HB15A1	-
HCHF-21	140	530	87	10.6	23	60(6117)	156(15907)	1700	235	351.2(35.8)		SH-25011	1.97(20.1)	HB18B2	-
HCHF-24	166.5	610	110	1.06	23	60(6117)	156(15907)	1400	293	651.4(66.4)		SH-25011	1.97(20.1)	HB18B2	-
HCHF-32	240	800	160	18	34	60(6795)	156(15821)	1200	530	601(61)		SYHL-2816	2.2(22.4)	HB32B2	-

※ Maximum turning speed is based upon actual measurement,
※ Specifications are subject to change without notice,
※ Samcully 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

	ΦA	B	ΦC(H6)	F	ΦH	ΦJ	K	L	M	Nmax.	Nmin.	Omax.	Omin.	Pmax.	Pmin.	Q	R	S	T	U	ΦV	W	X
HC-04	110	52	60	6	80	-	3-M8x55	12	14	23.3	20.1	11.25	8.25	17	3	23	10	25	M10x1.5	3	26	27	55
HC-05	135	55	80	7	100	-	3-M8x60	14	19	30.4	27.2	11.25	6.75	6	-8	23	10	35	M12x1.75	3	28	29	62
HC-06	165	74	140	5	104.8	21	6-M10x90	14	20	37.8	33.5	18	7.5	100	81.5	31	12	36	M16x2.0	4	34	35	72
HC-08	210	85	170	5	133.4	25	6-M12x100	20	25	46.3	41.9	22.25	9	111	92	35	14	36	M20x2.5	5	38	42	95
HC-10	254	89	220	5	171.4	34	6-M16X105	38	30	51.1	46.7	30.75	11.25	125	100	40	16	36	M20x2.5	5	45	46	110
HC-12	304	106	220	6	171.4	34	6-M16x120	38	30	61	55.75	48.75	12.75	163	133	50	18	36	M20x2.5	5	50	54	129

※ The numbers in parentheses in columns P and T are also available upon request.

Specifications

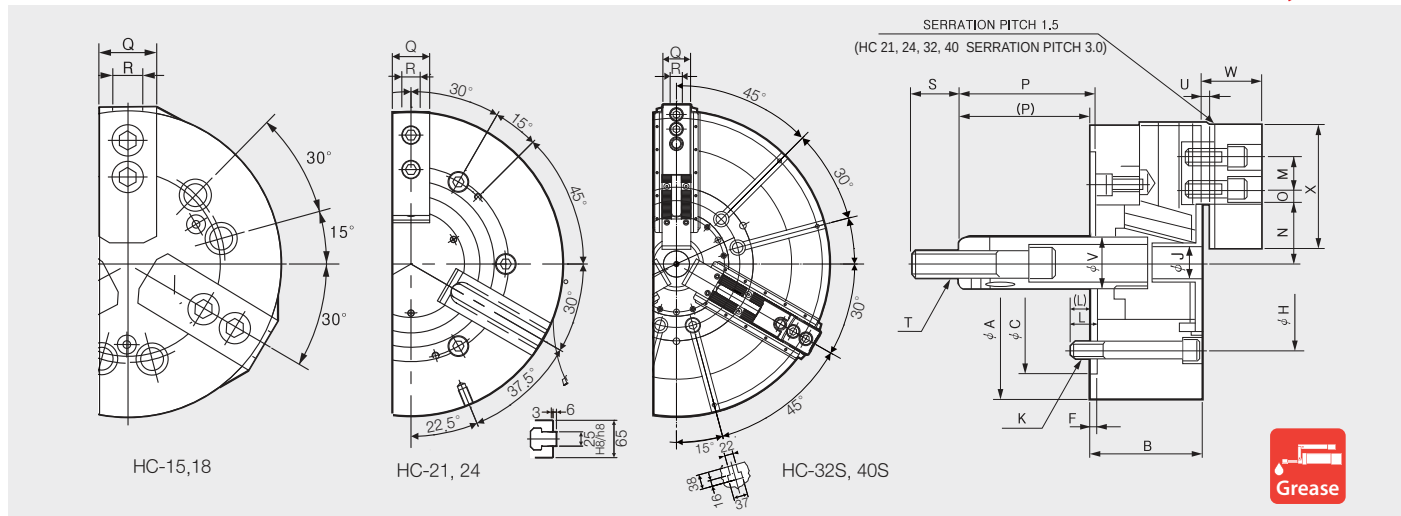
Type	Jaw Stroke Dia.	Plunger Stroke	Grip Dia. [mm]		Max. Permissible Input Force	Max. Static Gripping Force	Max. R.P.M.	Weight	GD ²	Max. Hydraulic Pressure	Operating Cylinder		Operating Hard Jaw	KITAGAWA® Model
			[mm]	Max. Min.							[Hydraulic]	[Pneumatic]		
HC-04	6.4	14	110	8	8.2(836)	22.8(2325)	6000	4.1	0.29(0.03)	2.4(24.5)	Y-0715R(RE)	AY-1315R	HB04N1	N-04
HC-05	6.4	14	135	16	8.2(836)	25.2(2570)	5500	6.2	0.59(0.06)	2.4(24.5)	Y-0715R(RE)	AY-1315R	HB04N1	N-05
HC-06	8.5	18.5	165	19	18(1835)	52.5(5353)	5270	13	1.777(0.18)	2.6(26.5)	Y-1020R(RE)	AY-1720R	HB06A1	N-06
HC-08	8.8	19	210	23	25(2549)	75(7648)	4760	25	5.39(0.55)	2.5(25.5)	Y-1225R(RE)	AY-2225R	HB08A1	N-08
HC-10	8.8	25	254	24	29(2957)	108(11013)	4010	37	11.77(1.20)	2.8(28.6)	Y-1225R(RE)	AY-2225R	HB10A1	N-10
HC-12	10.5	30	304	26	41(4181)	156(15907)	3380	57.3	28.44(2.90)	2.7(27.5)	Y-1530R(RE)	AY-2730R	HB12B1	N-12

※ Maximum turning speed is based upon actual measurement,
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- Standard 3-jaw wedge-style closed-center power chuck

HYDRAULIC CHUCK



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

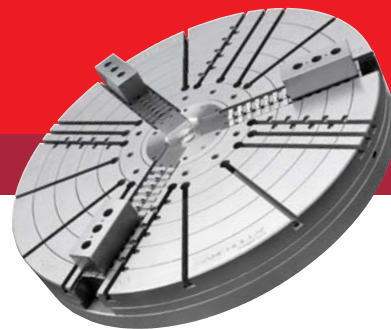
Dimensions

	ΦA	B	ΦC(H6)	F	ΦH	J	K	L	M	Nmax	Nmin	Omax	Omin	Pmax	Pmin	Q	R	S	T	U	ΦV	W	X
HC-15	381	114	300	6	235	27	6-M20X150	65	43	77.5	69.5	48.75	23.25	104	69	62	25.5	55	M30x3.5	2	60	61	135
HC-18	450	114	300	6	235	27	6-M20X115	30	43	108	100	48.75	23.25	92	57	62	25.5	55	M30x3.5	2	60	61	135
HC-21	530	125	380	6	330.2	27	6-M22X120	31	60	86	78	93.5	27.5	97	62	65	25	55	M30x3.5	3	60	70	180
HC-24	610	125	380	6	330.2	27	6-M22X120	31	60	125	117	93.5	27.5	97	62	65	25	55	M30x3.5	3	60	71	180
HC-32S	800	150	380	6	330.2	65	6-M24X120	39	76.2	117.3	102.3	234.1	36	38	0	75	12.7	70	M30x3.5	8	70	81	165
HC-40S	1000	180	520	8	463.6	50	6-M24X120	32	76.2	212.8	187.8	169.8	17.4	30	-27	110	30	65	M36x4.0	-4	70	106	270

Specifications

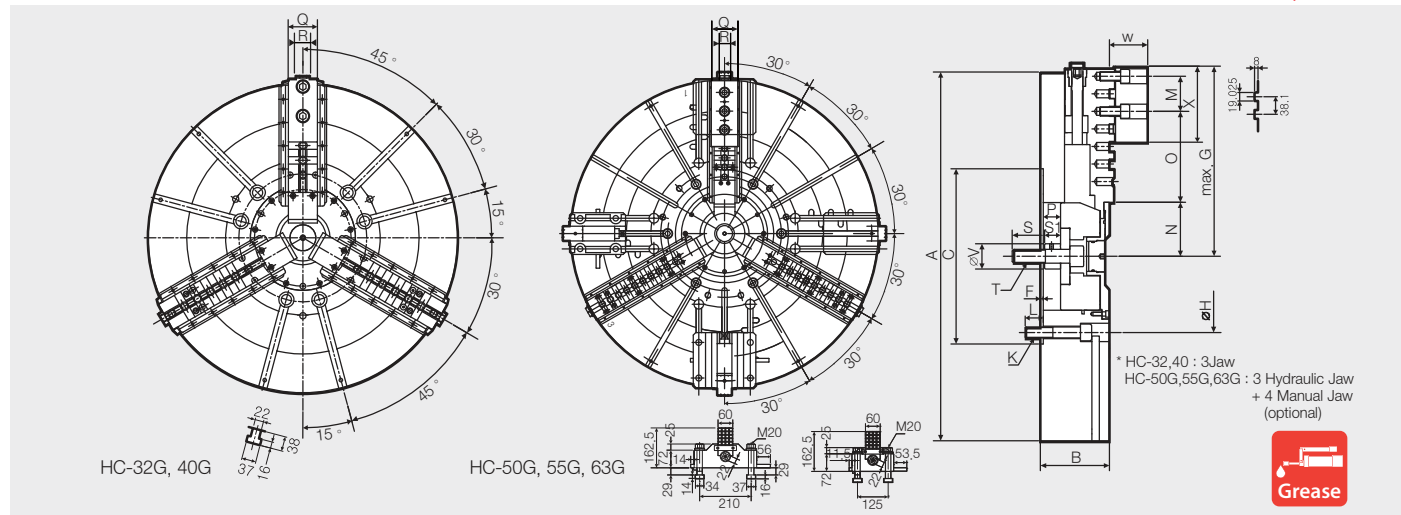
Type	Jaw Stroke Dia.	Plunger Stroke	GripDia.[mm]		Max. Permissible Input Force	Max. Static Gripping Force	Max. R.P.M.	Weight	GD ²	Max. Hydraulic Pressure	Operating Cylinder		Operating Hard Jaw	KITAGAWA® Model
	[mm]	[mm]	Max.	Min.	[kN(kgf)]	[kN(kgf)]	[min-1(r.p.m.)]	[kgf]	[N·m ² (kgf·m ²)]	[MPa(kgf/cm ²)]	[Hydraulic]	[Pneumatic]		
HC-15	16	35	381	71	82(8362)	249(25391)	3040	96	70.61(7.2)	3.2(32.6)	Y-2035R(RE)	-	HB15N1	N-15
HC-18	16	35	450	133	82(8362)	249(25391)	2710	124	92.2(9.4)	3.2(32.6)	Y-2035R(RE)	-	HB15N1	N-18
HC-21	16	35	530	62	82(8362)	273(27838)	1940	180	188.3(19.2)	3.2(32.6)	Y-2035R(RE)	-	HB18B2	N-21
HC-24	16	35	610	152	82(8362)	273(27838)	1760	223	271.6(27.7)	3.2(32.6)	Y-2035R(RE)	-	HB18B2	N-24
HC-32S	30	38	800	200	120(12236)	215(21805)	800	350	609.1(61)	3.99(40.8)	Y-2050R(RE)	-	HB32SB2	-
HC-40S	30	23	1000	330	180(18256)	320(32454)	630	600	1721.8(145.6)	3.99(40.8)	Y-2560RE	-	HB40SB2	-

- ※ Maximum turning speed is based upon actual measurement.
- ※ Specifications are subject to change without notice.
- ※ Samcully Machinery Co., Ltd, is no longer an OEM manufacturer for Kitagawa®Iron Works Co., Ltd.



- 3-Jaw hydraulic chuck (HC-32G,HC-40G)
- 4-jaw independent closed-center power chuck (HC-50G,HC-55G,HC-63G)

HYDRAULIC / INDEPENDENT CHUCK



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

Dimensions

	ΦA	B	ΦC(H6)	F	G	ΦH	K	L	M	Nmax	Nmin	Omax	Omin	Pmax	Pmin	Q	S	S1	T	ΦV	W	X	a1	a2	a3	a4
HC-32G	800	150	380	6	442.5	330.2	M24X120L	39	76.2	117.6	102.7	196.9	44.5	38	0	75	70	35	M30x3.5	55	83	165	12.7	8	3	75
HC-40G	1000	182	520	8	509.6	463.6	M24X140L	32	76.2	217.3	194.3	91.1	14.9	60	3	110	65	35	M36x4.0	70	106	270	30	-4	4	85
HC-50G	1250	180	520	8	623.9	463.6	M24X140L	32	76.2	217.3	194.3	205.4	14.9	60	3	110	65	35	M36x4.0	70	106	270	30	-4	4	85
HC-55G	1400	220	720	8	710.6	647.6	M24X160L	36	76.2	250	226	250.4	30.8	82	22	110	65	35	M36x4.0	70	104	270	30	-6	4	110
HC-63G	1600	220	720	8	786.8	647.6	M24X160L	36	76.2	250	226	335.6	30.8	13	22	110	65	35	M36x4.0	70	104	270	30	-6	4	110

※HC-32, HC-40 19,025mm key Groove type.

Specifications

Type	Jaw Stroke Dia.	Manual Setting	Plunger Stroke	Grip Dia.		Max. Permissible Input Force	Max. Static Gripping Force	Max. R.P.M.	Weight	GD ²	Operating Cylinder	Max. Hydraulic Pressure	Operating Hard Jaw
	[mm]	(Radial)	[mm]	Max.	Min.	[kN (kgf)]	[kN (kgf)]	[min ⁻¹]	[kgf]	[N·m ² (kg·m ²)]		[MPa (kgf/cm ²)]	
HC-32G	30	30	38 min-1	800	200	120 (12170)	215 (21805)	800	350	601.9 (61)	Y-2050RE	3.99(40.8)	HB32GB
HC-40G	46	30	57	1000	330	180 (18256)	320 (32454)	630	600	1721.8 (174.5)	Y-2560RE	3.99(40.8)	HB40GB
HC-50G	46	30	57	1250	330	180 (18256)	320 (32454)	500	800	2169 (220)	Y-2560RE	3.99(40.8)	HB40GB
HC-55G	48	40	60	1400	460	200 (20394)	360 (36710)	450	1350	2760 (280)	Y-2560RE	4.5(46)	HB40GB
HC-63G	48	40	60	1600	460	200 (20394)	360 (36710)	400	1850	4930 (500)	Y-2560RE	4.5(46)	HB40GB

- ※ Maximum turning speed is based upon actual measurement.
- ※ Specifications are subject to change without notice.

HC-A

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

- 3-jaw wedge-type closed-center power chuckwith adaptor

HYDRAULIC CHUCK

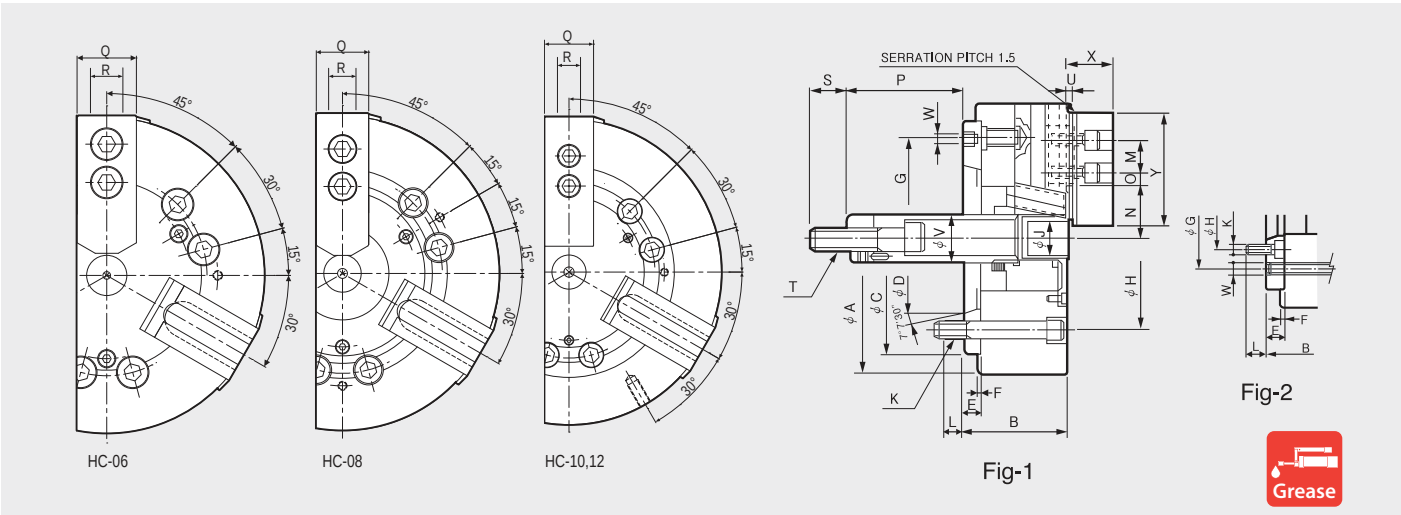


HC-A

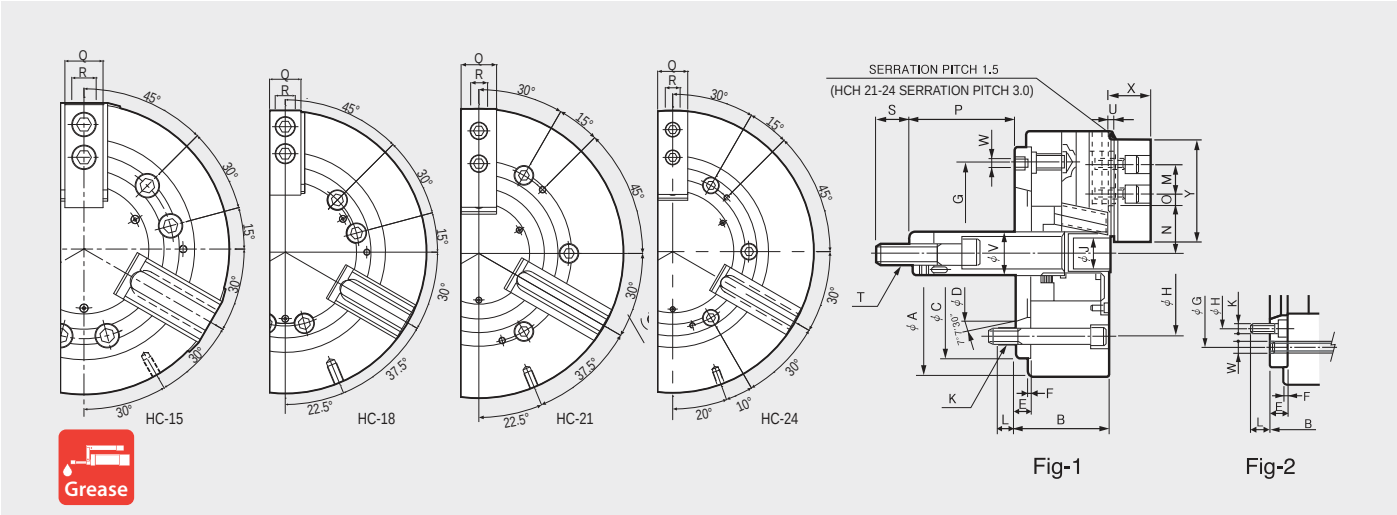
3-Jaw Closed-Center Chuck with Adaptor (381mm - 610mm)

- 3-jaw wedge-type closed-center power chuck with adaptor

HYDRAULIC CHUCK



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



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

Dimensions

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

※ Blank and machined draw-nuts are available.
※ "U" is Max. Draw nut size.

Specifications

Type	Spindle Nose No.	Jaw Stroke Dia.	Plunger Stroke	Grip Dia. [mm]		Max. Permissible Input Force	Max. Static Gripping Force	Max. R.P.M.	Weight	GD²	Max. Hydraulic Pressure	Operating Cylinder		Operating Hard Jaw	KITAGAWA® Model
				Max.	Min.							[Hydraulic]	[Pneumatic]		
HC-06A05	A2-5	8.5	18.5	165	19	18(1835)	52.5(5353)	5270	14	1.96(0.20)	2.6(26.5)	Y-1020R(RE) AY-1720R		HB06A1	N-06A05
HC-08A06	A2-6	8.8	19	210	23	25(2549)	75(7648)	4760	27	5.79(0.59)	2.5(25.5)	Y-1225R(RE) AY-2225R		HB08A1	N-08A06
HC-10A06	A2-6	8.8	25	254	24	29(2957)	108(11013)	4010	40	13.14(1.34)	2.8(28.6)	Y-1225R(RE) AY-2225R		HB10A1	N-10A06
HC-10A08	A2-8	8.8	25	254	224	29(2957)	108(11013)	4010	40	12.84(1.31)	2.8(28.6)	Y-1225R(RE) AY-2225R		HB10A1	N-10A08
HC-12A06	A2-6	10.5	30	304	26	41(4181)	156(15907)	3380	67	29.82(3.04)	2.7(27.5)	Y-1530R(RE) AY-2730R		HB12A1	N-12A06
HC-12A08	A2-8	10.5	30	304	26	41(4181)	156(15907)	3380	66	29.52(3.01)	2.7(27.5)	Y-1530R(RE) AY-2730R		HB12A1	N-12A08

※ Refer to Fig-2 for HC-10A06 and HC-12A06.
※ Maximum turning speed is based upon actual measurement.
※ Specifications are subject to change without notice.
※ Samcully Machinery Co., Ltd. is no longer an OEM manufacturer for Kitagawa® Iron Works Co., Ltd.

Dimensions

	ΦA	B	ΦC(H6)	ΦD	E	F	ΦG	ΦH	ΦJ	K	L	M	Nmax.	Nmin.	Omax.	Omin.	Pmax.	Pmin.	Q	R	S	T	U	ΦV	W	X
HC-15A08	381	141	300	139.719	33	6	235	171.4	27	6-M16	24	43	77.5	69.5	48.75	23.25	71	36	50	25.5	55	M30x3.5	2	60	6-M20	61
HC-15A11	381	130	300	196.869	22	6	260	235	27	6-M20	33	43	77.5	69.5	48.75	23.25	82	47	50	25.5	55	M30x3.5	2	60	3-M10	61
HC-18A08	450	141	300	139.719	33	6	235	171.4	27	6-M16	24	43	108	100	48.75	23.25	59	24	50	25.5	55	M30x3.5	2	60	6-M20	61
HC-18A11	450	130	300	196.869	22	6	260	235	27	6-M20	33	43	108	100	48.75	23.25	70	35	50	25.5	55	M30x3.5	2	60	3-M10	61
HC-21A11	530	161	380	196.869	42	6	330.2	235	27	6-M20	29	60	86	78	93.5	27.5	55	20	65	25	55	M30x3.5	3	60	6-M22	70
HC-21A15	530	146	380	285.775	27	6	330.2	330.2	27	6-M22	34	60	86	78	93.5	27.5	70	35	65	25	55	M30x3.5	3	60	3-M12	70
HC-24A11	610	161	380	196.869	42	6	330.2	235	27	6-M20	29	60	125	117	93.5	27.5	55	20	65	25	55	M30x3.5	3	60	6-M22	70
HC-24A15	610	146	380	285.775	27	6	330.2	330.2	27	6-M22	34	60	125	117	93.5	27.5	70	35	65	25	55	M30x3.5	3	60	6-M12	70

Specifications

Type	Spindle Nose No.	Jaw Stroke Dia.	Plunger Stroke	Grip Dia. [mm]		Max. Permissible Input Force	Max. Static Gripping Force	Max. R.P.M.	Weight	GD²	Max. Hydraulic Pressure	Operating Cylinder		Operating Hard Jaw	KITAGAWA® Model
				Max.	Min.							[Hydraulic]	[Pneumatic]		
HC-15A08	A2-8	16	35	381	71	82(8362)	249(25391)	3040	105	76.49(7.8)	3.2(32.6)	Y-2035R(RE) -		HB15N1	N-15A08
HC-15A11	A2-11	16	35	381	71	82(8362)	249(25391)	3040	103	73.55(7.5)	3.2(32.6)	Y-2035R(RE) -		HB15N1	N-15A08
HC-18A08	A2-8	16	35	450	133	82(8362)	249(25391)	2710	134	97.08(9.9)	3.2(32.6)	Y-2035R(RE) -		HB15N1	N-18A11
HC-18A11	A2-11	16	35	450	133	82(8362)	249(25391)	2710	131	95.12(9.7)	3.2(32.6)	Y-2035R(RE) -		HB15N1	N-18A11
HC-21A11	A2-11	16	35	530	62	82(8362)	273(27838)	1940	198	201.03(20.5)	3.2(32.6)	Y-2035R(RE) -		HB18B2	N-21A11
HC-21A15	A2-15	16	35	530	62	82(8362)	273(27838)	1940	190	194.15(19.9)	3.2(32.6)	Y-2035R(RE) -		HB18B2	N-21A15
HC-24A11	A2-11	16	35	610	152	82(8362)	273(27838)	1760	241	289.28(29.5)	3.2(32.6)	Y-2035R(RE) -		HB18B2	N-24A11
HC-24A15	A2-15	16	35	610	152	82(8362)	273(27838)	1760	234	276.54(28.2)	3.2(32.6)	Y-2035R(RE) -		HB18B2	N-24A15

※ Maximum turning speed is based upon actual measurement.
※ Specifications are subject to change without notice.
※ Refer to Fig-2 for HC-15A08, HC-18A08, HC-21A11, HC-24A11.
※ Samcully Machinery Co., Ltd. is no longer an OEM manufacturer for Kitagawa® Iron Works Co., Ltd.

HCT

2-Jaw Closed-Center Chuck

■ 2-jaw wedge-style power chuck

HYDRAULIC CHUCK

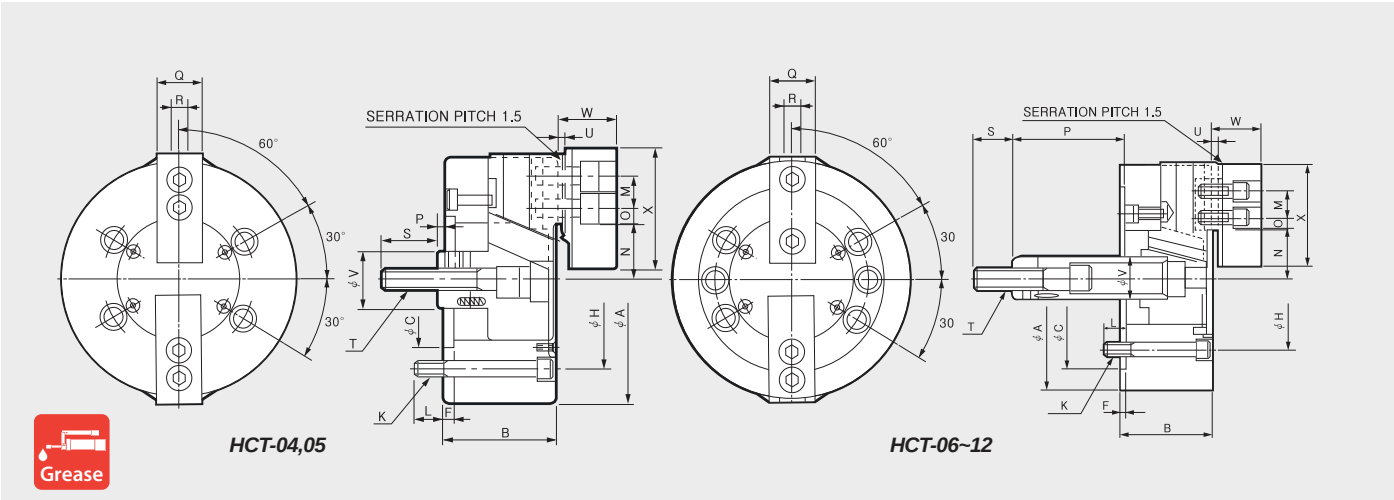


HCF

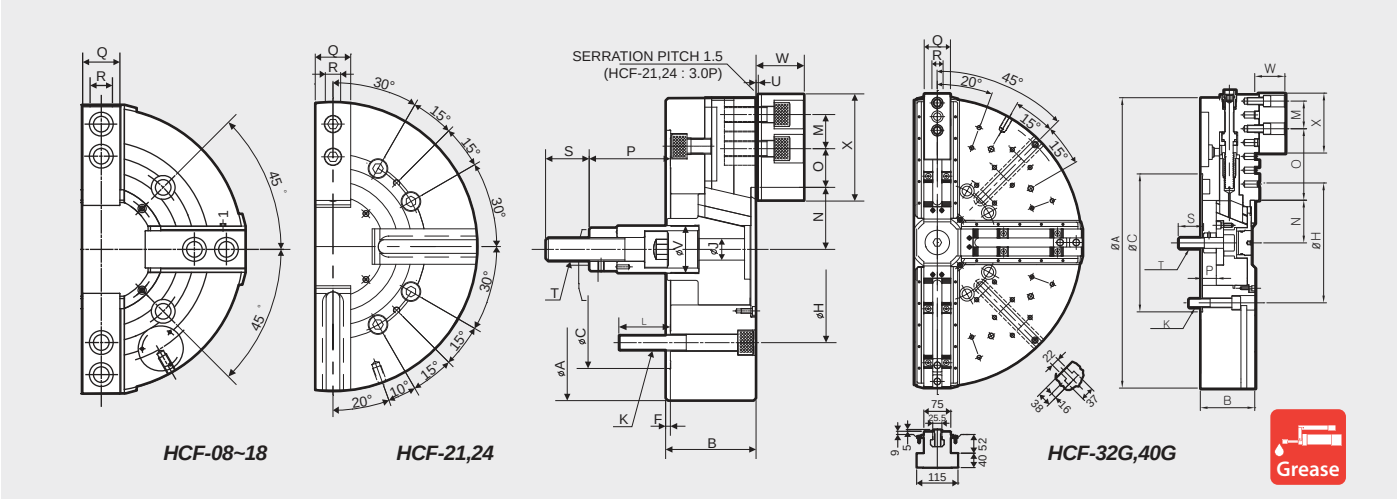
4-Jaw Closed-Center Chuck

■ 4-jaw wedge-style closed-center power chuck

HYDRAULIC CHUCK



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



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

Dimensions

	ΦA	B	ΦC(H6)	F	ΦH	K	L	M	Nmax.	Nmin.	Omax.	Omin.	Pmax.	Pmin.	Q	R	S	T	U	ΦV	W	X
HCT-04	110	52	60	6	80	4-M8x55	12	14	23.3	20.1	11.25	8.75	17	3	23	10	25	M10x1.5	3	26	27	55
HCT-05	135	55	80	7	100	4-M8x60	14	19	30.4	27.2	11.25	6.75	6	-8	23	10	35	M12x1.75	3	28	29	62
HCT-06	165	74	140	5	104.8	6-M10x70	14	20	37.8	33.55	13.75	7.75	100	81.5	31	12	36	M16x2.0	4	34	35	72
HCT-08	210	85	170	5	133.4	6-M12x85	20	25	46.3	41.9	22.25	11.75	125	106	0.35	14	36	M20x2.5	5	38	42	95
HCT-10	254	89	220	5	171.4	6-M16x85	18	30	51.1	46.7	30.75	11.25	158	133	40	16	36	M20x2.5	5	45	46	110
HCT-12	304	106	220	6	171.4	6-M16x100	18	30	61	55.75	48.75	12.75	163	133	49	18	36	M20x2.5	5	50	53.5	129

Specifications

Type	Jaw Stroke Dia.	Plunger Stroke	Grip Dia. [mm]		Max. Permissible Input Force	Max. Static Gripping Force	Max. R.P.M.	Weight	GD²	Max. Hydraulic Pressure	Operating Cylinder	KITAGAWA® Model
	[mm]	[mm]	Max.	Min.	[kN(kgf)]	[kN(kgf)]	[min-1(r.p.m.)]	[kgf]	[N·m²(kgf·m²)]	[Mpa(kgf/cm²)]	[Hydraulic]	
HCT-04	6.4	14	110	5	5.3(540)	15.2(1550)	6000	3.8	0.26(0.027)	1.68(17.1)	Y-0715R	NT-04
HCT-05	6.4	14	135	16	5.3(540)	16.9(1713)	5500	5.8	0.59(0.06)	1.68(17.1)	Y-0715R	NT-05
HCT-06	8.5	18.5	165	14	12(1224)	35(3569)	5000	11.4	1.67(0.17)	1.7(17.3)	Y-1020R	NT-06
HCT-08	8.8	19	210	17	16.5(1683)	50(5099)	4000	22	5.20(0.53)	1.6(16.3)	Y-1225R	NT-08
HCT-10	8.8	25	254	22	19.5(1988)	72(7342)	3500	31.6	11.5(1.17)	1.9(19.4)	Y-1225R	NT-10
HCT-12	10.5	30	310	22	27.5(2804)	104(10605)	3000	55	27.8(2.83)	1.8(18.4)	Y-1530R	NT-12

※ Maximum turning speed is based upon actual measurement.
※ Specifications are subject to change without notice.
※ Samcully Machinery Co., Ltd. is no longer an OEM manufacturer for Kitagawa® Iron Works Co., Ltd.

Dimensions

	ΦA	B	ΦC(H6)	F	ΦH	ΦJ	K	L	M	Nmax.	Nmin.	Omax.	Omin.	Pmax.	Pmin.	Q	R	S	T	U	ΦV	W	X
HCF-08	210	85	170	5	150	25	6-M12	30	25	46.3	41.9	22.25	11.75	125	106	35	14	36	M20x2.5	5	38	42	95
HCF-12	304	106	220	6	171.4	34	4-M16	38	30	61	55.7	48.75	12.75	163	133	49	18	36	M20x2.5	5	50	53.5	129
HCF-15	381	114	300	6	235	27	4-M20	65	43	78	70	48.75	23.25	104	69	50	26	55	M30x3.5	2	60	61	135
HCF-18	450	114	300	6	235	27	4-M20	30	43	108	100	48.75	23.25	92	57	50	26	55	M30x3.5	2	60	60	135
HCF-21	530	125	380	6	330.2	27	8-M22	61	60	86	78	93.5	27.5	97	62	65	25	55	M30x3.5	3	60	70	180
HCF-24	610	150	380	6	330.2	27	8-M22	31	60	125	117	93.5	27.5	97	62	65	25	55	M30x3.5	3	60	70	180
HCF-32G	800	150	380	6	330.2	65	8-M24x120L	41	76.2	117.6	102.7	196.9	44.5	35	-3	75	25.5	70	M30x3.5	5	102	82	165
HCF-40G	1000	180	520	8	463.6	32	8-M20x160L	32	76.2	217.3	194.3	91.1	14.9	-25	32	110	30	65	M36x4.0	4	52	106	270

※ Blank and machined draw-nuts are available.
※ HCF-21 and HCF-24 are available with M22 ro M24 mounting bolts.
※ Groove type is standard model on HCF-32G and HCF-40G.

Specifications

Type	Jaw Stroke Dia.	Plunger Stroke	Grip Dia.		Max. Permissible Input Force	Max. Static Gripping Force	Max. R.P.M.	Weight	GD²	Max. Hydraulic Pressure	Operating Cylinder	Operating Hard Jaw
	[mm]	[mm]	Max. [mm]	Min. [mm]	[kN(kgf)]	[kN(kgf)]	[min-1(r.p.m.)]	[kgf]	[N·m²(kg·m²)]	[Mpa(kgf/cm²)]		
HCF-08	8.8	19	210	17	16.5(1638)	50(5099)	4000	22	5.20(0.53)	1.6(16.3)	Y-1225R(RE)	HB08A1
HCF-12	10.5	30	304	26	27.5(2804)	104(10605)	3000	55	27.7(2.83)	1.8(18.4)	Y-1530R(RE)	HB12B1
HCF-15	16	35	381	71	54.6(5575)	165.8(16927)	3040	98	72.6(7.4)	2.13(21.7)	Y-2035R(RE)	HB15N1
HCF-18	16	35	450	133	54.6(5575)	165.8(16927)	2710	124	92.2(9.4)	2.13(21.7)	Y-2035R(RE)	HB15N1
HCF-21	16	35	530	62	54.6(5575)	168(18550)	1700	180	188.3(19.2)	2.13(21.7)	Y-2035R(RE)	HB18B2
HCF-24	16	35	610	152	54.6(5575)	183(18550)	1500	223	271.7(27.7)	2.13(21.7)	Y-2035R(RE)	HB18B2
HCF-32	30	38	800	85	88(8925)	156(15821)	800	350	601(61)	3(30.6)	Y-2050RE	HB32SB2
HCF-40	46	57	1000	150	120(12245)	213(21769)	630	620	1720(174.5)	2.7(27.2)	Y-2560RE	HB40SB2

※ Maximum turning speed is based upon actual measurement.
※ Specifications are subject to change without notice.
※ HCF-12 is also available with long stroke.

HC-SE

3-Jaw Sealed Closed-center Chuck

- Sealed version of the HC chucks ideal for vertical machining and keeping swarf out of the chuck body

HYDRAULIC CHUCK

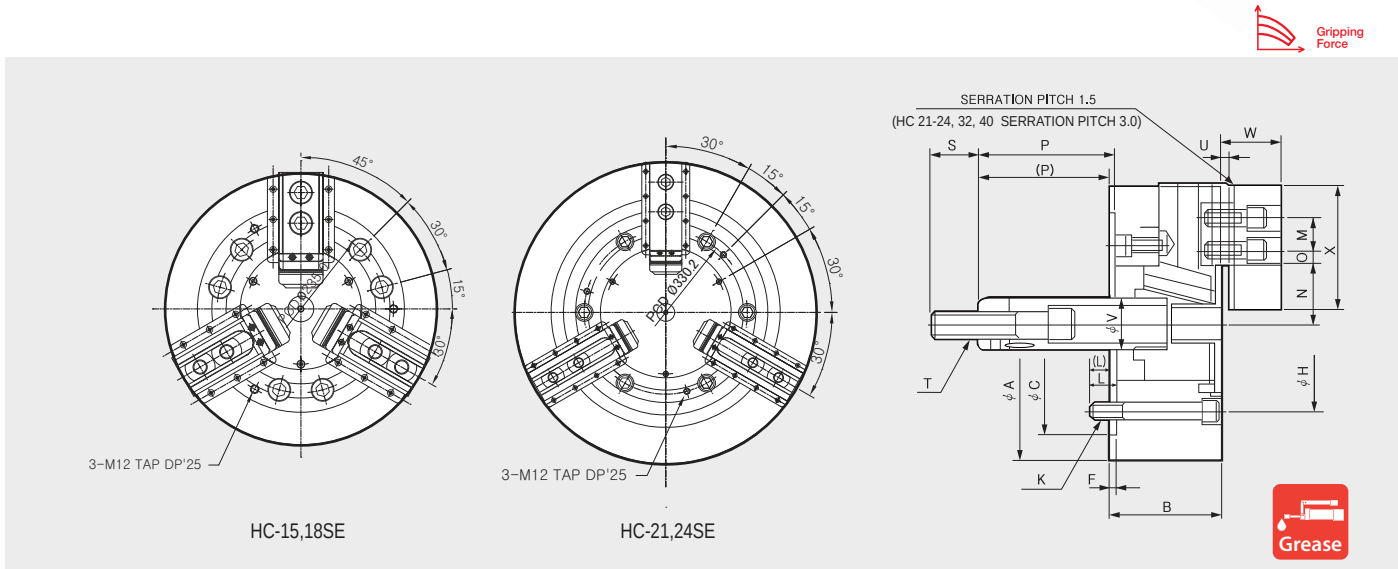


HCL

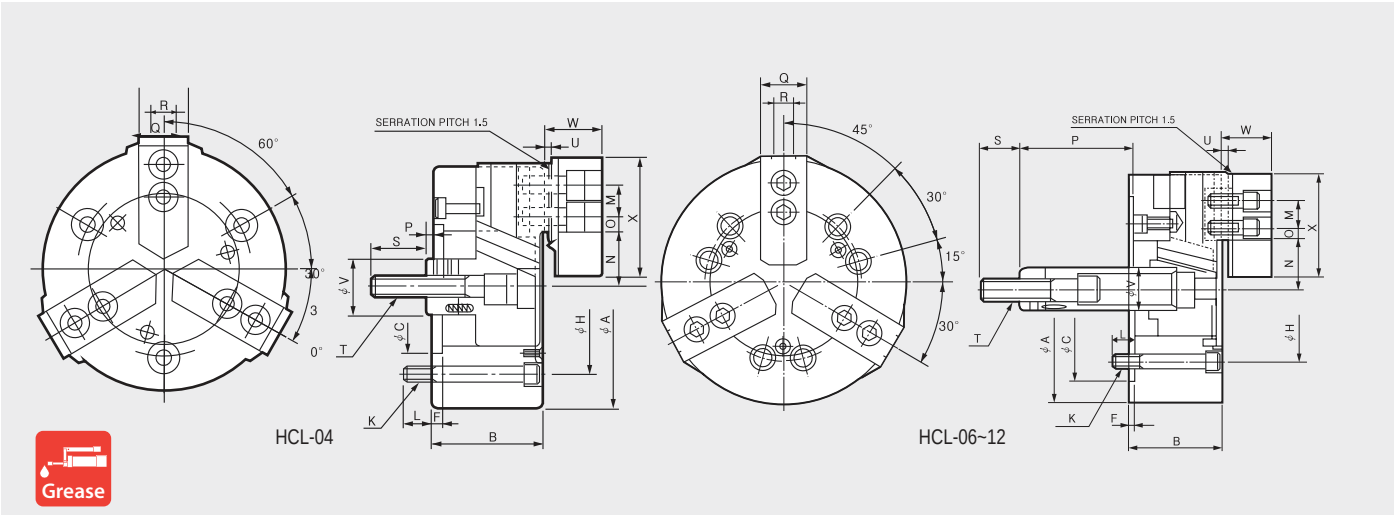
3-Jaw Closed-Center Long-Stroke Chuck

- 3-jaw wedge-style power chuck

HYDRAULIC CHUCK



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



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

Dimensions

	ΦA	B	ΦC(H6)	F	ΦH	J	K	L	M	Nmax.	Nmin.	Omax.	Omin.	Pmax.	Pmin.	Q	R	S	T	U	ΦV	W	X
HC-15SE	381	114	300	6	235.0	-	6-M20x150	65	43	77.5	69.5	48.75	23.25	104	69	62	25.5	55	M30x3.5	2	60	61	135
HC-18SE	450	114	300	6	235.0	-	6-M20x115	30	43	108	100	48.75	23.25	92	57	62	25.5	55	M30x3.5	2	60	61	135
HC-21SE	530	125	380	6	330.2	-	6-M22x120	31	60	86	78	93.5	27.5	97	62	65	25	55	M30x3.5	3	60	70	180
HC-24SE	610	125	380	6	330.2	-	6-M22x120	31	60	125	117	93.5	27.5	97	62	65	25	55	M30x3.5	3	60	71	180

Specifications

Type	Jaw Stroke Dia.	Plunger Stroke	Grip Dia. [mm]		Max. Permissible Input Force	Max. Static Gripping Force	Max. R.P.M.	Weight	GD ²	Max. Hydraulic Pressure	Operating Cylinder		Operating Hard Jaw	KITAGAWA® Model
	[mm]	[mm]	Max.	Min.	[kN(kgf)]	[kN(kgf)]	[min-1(r.p.m.)]	[kgf]	[N·m ² (kgf·m ²)]	[Mpa(kgf/cm ²)]	[Hydraulic]	[Pneumatic]		
HC-15SE	16	35	381	71	82(8362)	249(25391)	3040	96	70.61(7.2)	3.2(32.6)	Y-2035R(RE)	-	HB15N1	N-15
HC-18SE	16	35	450	133	82(8362)	249(25391)	2710	124	92.2(9.4)	3.2(32.6)	Y-2035R(RE)	-	HB15N1	N-18
HC-21SE	16	35	530	62	82(8362)	273(27838)	1940	180	188.3(19.2)	3.2(32.6)	Y-2035R(RE)	-	HB18B2	N-21
HC-24SE	16	35	610	152	82(8362)	273(27838)	1760	223	271.6(27.7)	3.2(32.6)	Y-2035R(RE)	-	HB18B2	N-24

※ Maximum turning speed is based upon actual measurement.
※ Specifications are subject to change without notice.
※ Samcully Machinery Co., Ltd, is no longer an OEM manufacturer for Kitagawa® Iron Works Co., Ltd.

Dimensions

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

Specifications

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

※ Maximum turning speed is based upon actual measurement.
※ Specifications are subject to change without notice.
※ Samcully Machinery Co., Ltd, is no longer an OEM manufacturer for Kitagawa® Iron Works Co., Ltd.

HCLT / HCLF

2-Jaw,4Jaw Closed-Center Long-Stroke Chuck

- 2-jaw wedge-style power chuck
- 4-jaw wedge-style power chuck

HYDRAULIC CHUCK

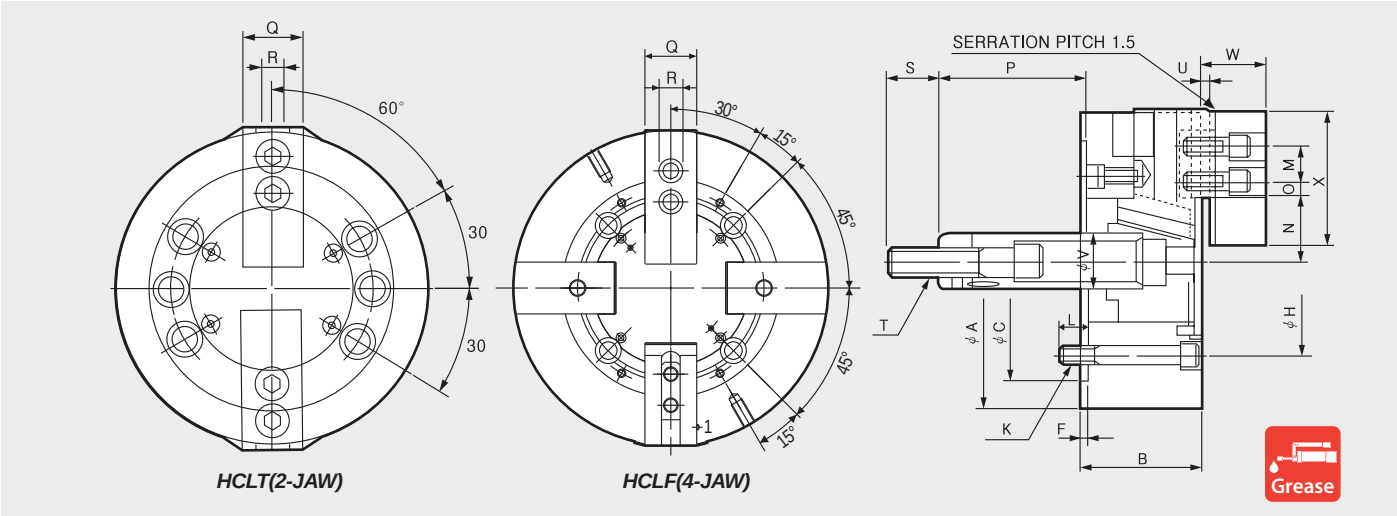
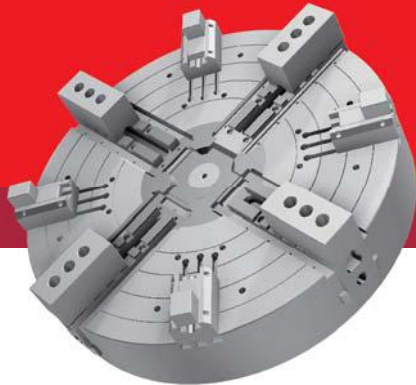


HCWF

4-Jaw Double Wedge Hydraulic Chuck

- Available independently with two jaws which is based on double wedge type
- Ideal for variant workpieces such as rectangle, round type
- 2 JAW+2 JAW (Operated by Hydraulic system), 4 Jaw (Operated by manual system)

HYDRAULIC CHUCK



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

Dimensions

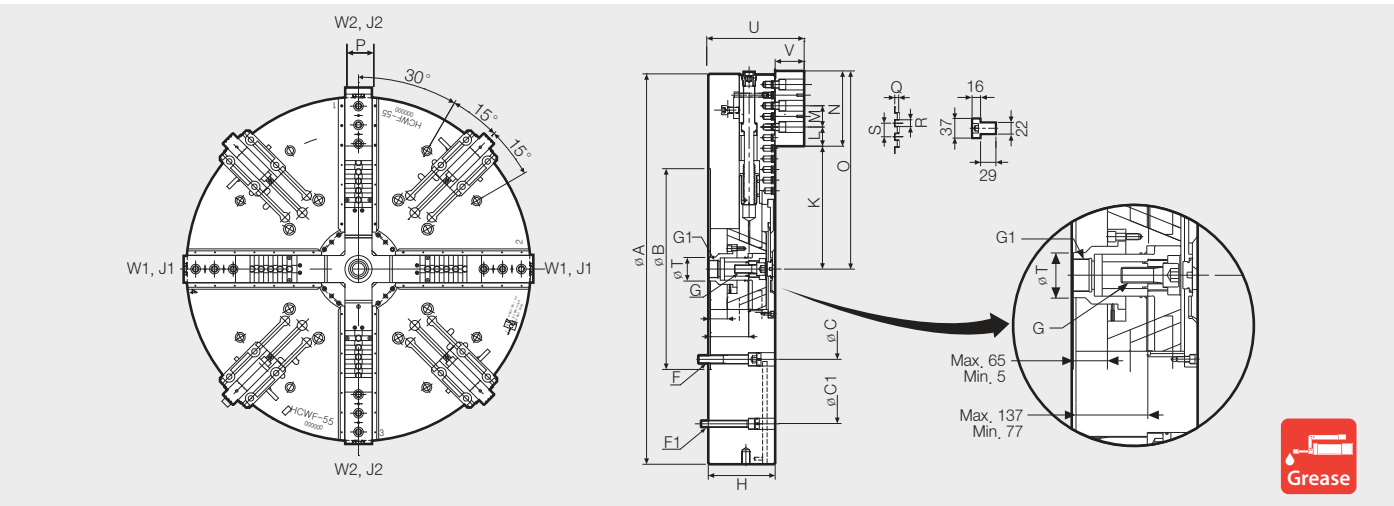
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HCLT-06	165	74	140	5	104.8	6-M10x70	14	20	40.5	34	13.75	9.25	101.5	81.5	31	12	36	M16x2.0	4	34	35	72
HCLT-08	210	85	170	5	133.4	6-M12x85	20	25	48.1	40	21	12	131	106	35	14	36	M20x2.5	5	38	42	95
HCLT-10	253	89	220	5	171.4	6-M16x105	38	30	54.4	45.35	29.5	11.5	161	133	40	16	36	M20x2.5	5	45	46	110
HCLT-12	304	106	220	6	171.4	6-M16x120	38	30	65.7	56	42.75	12.25	163	133	50	18	36	M20x2.5	5	50	54	129
HCLF-08	210	85	170	5	133.4	4-M16x85	20	25	48.1	40	21	12	131	106	35	14	36	M20x2.5	5	38	42	95
HCLF-12	304	106	220	6	171.45	4-M16x120	38	30	65.7	56	42.75	12.25	163	133	50	18	36	M20x2.5	5	50	54	129

※ Blank and machined draw-nuts are available.

Specifications

Type	Jaw Stroke Dia.	Plunger Stroke	Grip Dia. [mm]	Max. Permissible Input Force	Max. Static Gripping Force	Max. R.P.M.	Weight	GD²	Max. Hydraulic Pressure	Operating Cylinder	Operating Hard Jaw	KITAGAWA® Model
	[mm]	[mm]	Max. Min.	[kN(kgf)]	[kN(kgf)]	[min-1(r.p.m.)]	[kgf]	[N·m²(kgf·m²)]	[Mpa(kgf/cm²)]	[Hydraulic]		
HCLT-06	13	20	165 22	14(1428)	26(2651)	4300	12.5	1.67(0.17)	2.06(21.0)	Y-1020R	-	NLT-06
HCLT-08	16.2	25	210 24	20(2039)	40(4079)	4300	12.5	1.67(0.17)	2.03(20.7)	Y-1225R	-	NLT-08
HCLT-10	18.1	28	254 27	27(2753)	54(5508)	3100	35.5	11.47(1.17)	1.93(19.7)	Y-1530R	-	NLT-10
HCLT-12	19.4	30	304 33	36(3671)	74(7546)	2500	60.5	27.75(2.83)	2.50(25.5)	Y-1530R	-	NLT-12
HCLF-08	16.2	25	210 24	20(2039)	40(4079)	3600	24	5.20(0.53)	2.03(20.7)	Y-1225R	-	NLT-08
HCLF-12	19.4	30	304 33	36(3671)	74(7546)	2500	60.5	27.75(2.83)	2.50(25.5)	Y-1530R	-	NLT-12

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

Dimensions

	ΦA	ΦB	ΦC	ΦC1	D	E	F	F1	G	G1	H					
HCWF-55	1400	720	647.6	1110	26	40	M30x180	M24x170	M30x80	M62x2.0	240					
	Kmax.	Kmin.	L1max.	L1min.	L2max.	L2min.	M	N	Omax.	P	Q	R	S	ΦT	U	V
HCWF-55	250	226	65	5	137	77	76.2	270	716	85	11	19.025	38.1	110	343	104

Specifications

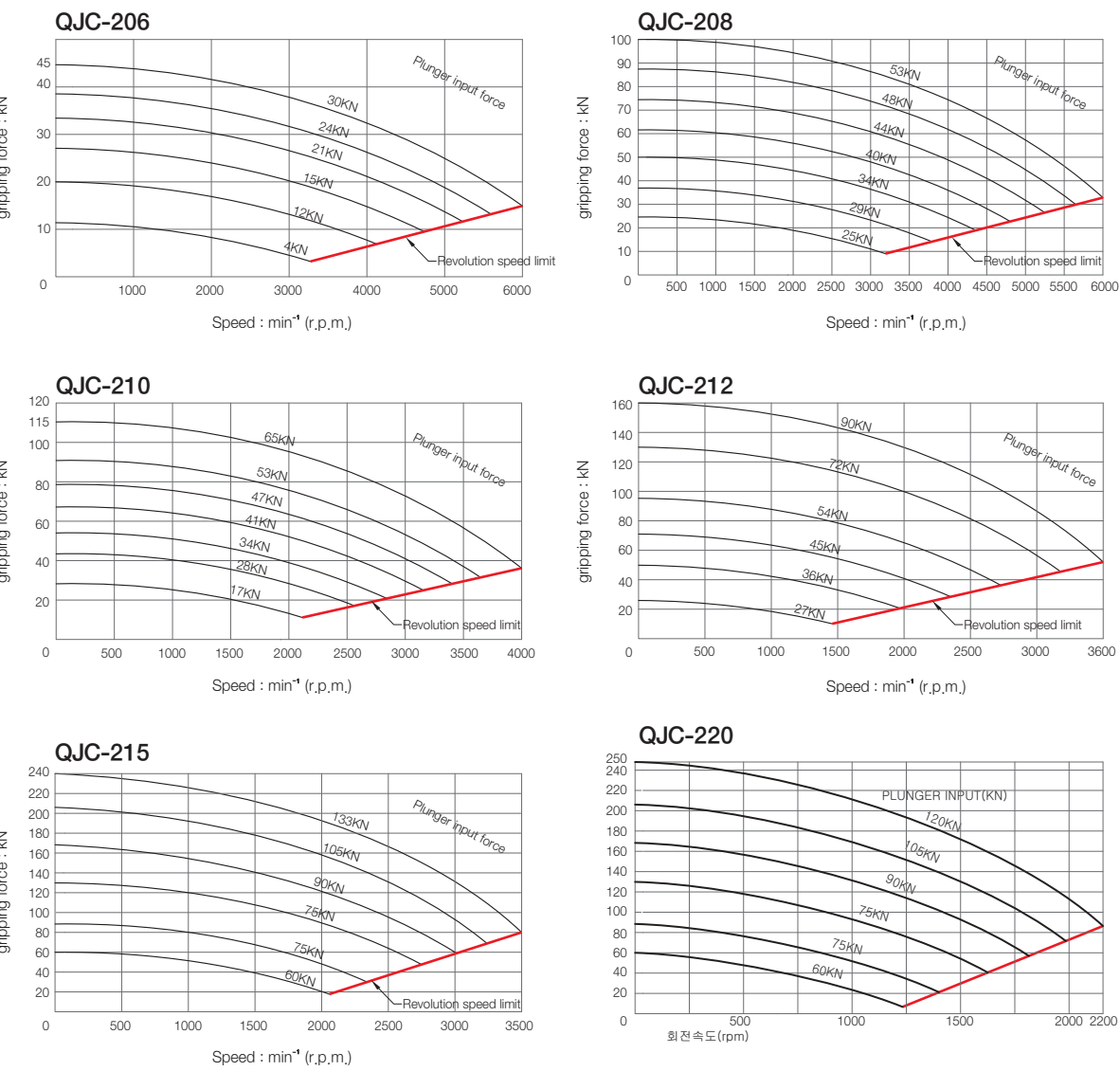
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		[mm]	(Radial)	[mm]	[mm]	Max. Min.	[kN]	[kN]	[min-]	[Kg]	[N·m²(kgf·m²)]	
HCWF-55	◎	48	40	60	60	1400 -	120 (W1,W2)	210 (J1,J2)	400	1400	355(36.22)	DYV-21560

※◎ : Option

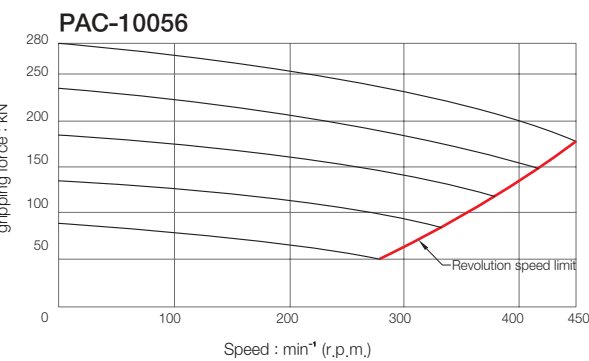
Gripping Force Chart

Relationship between Gripping Force and Rotating Speed

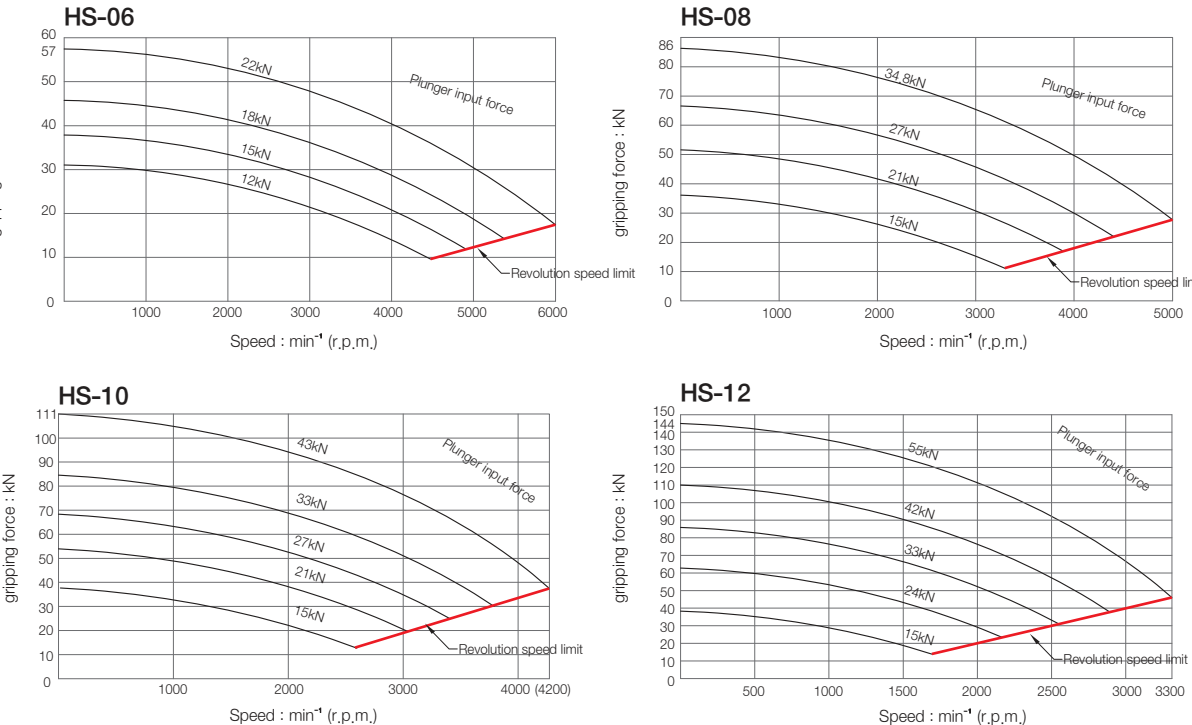
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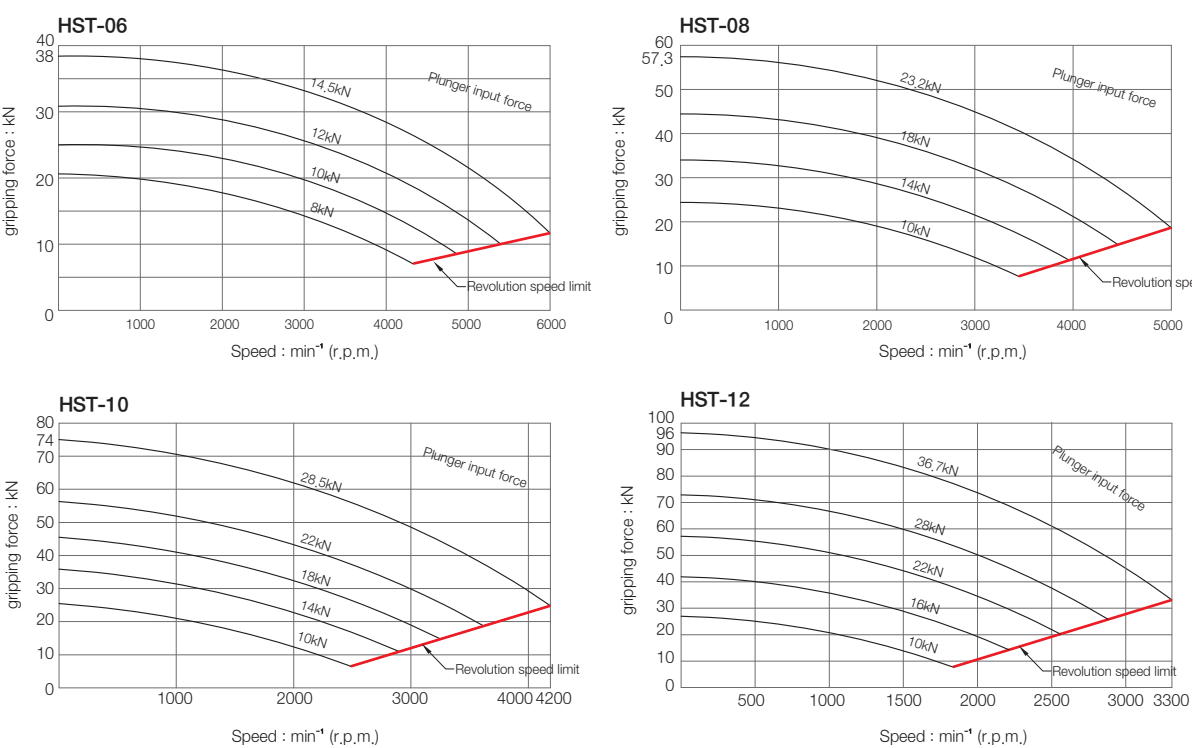
PAC - Type



HS - Type



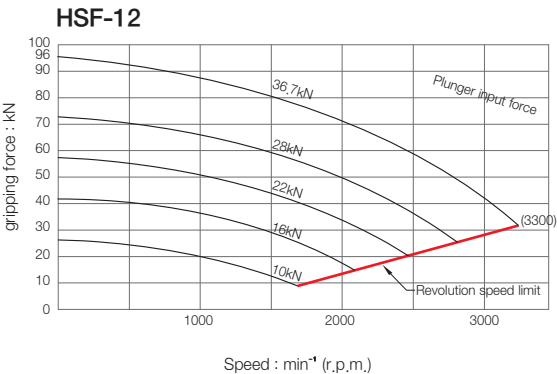
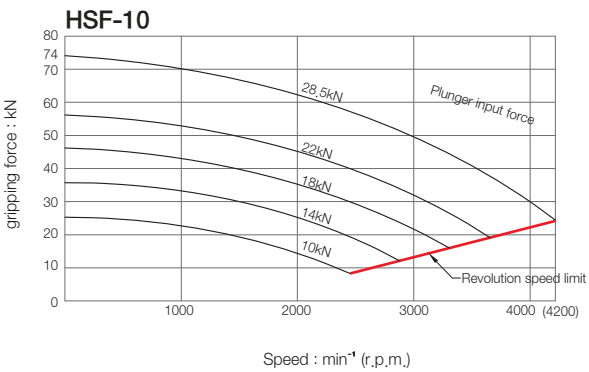
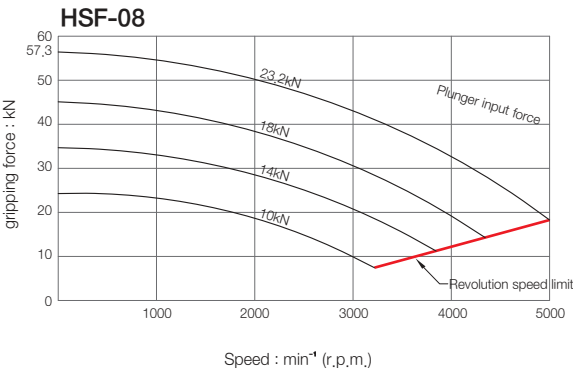
HST - Type



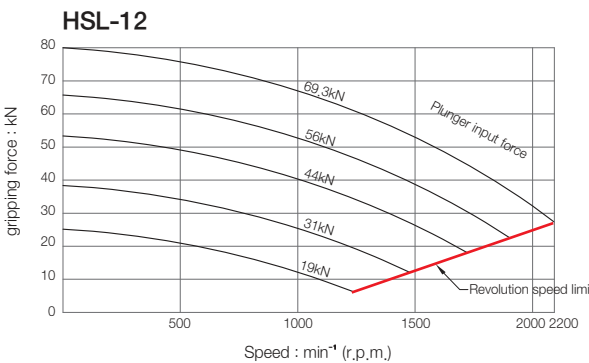
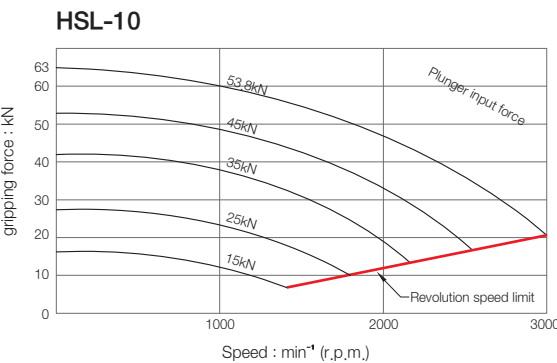
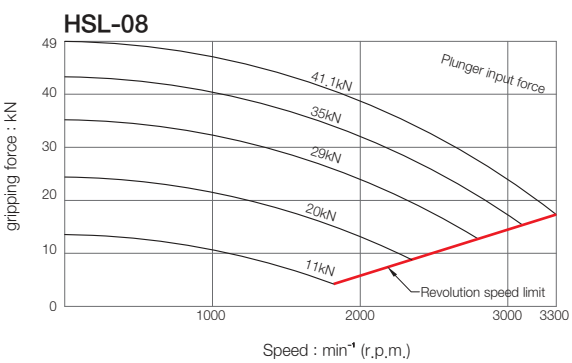
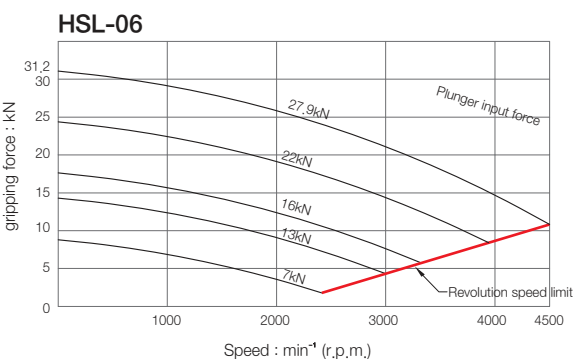
Gripping Force Chart

Relationship between Gripping Force and Rotating Speed

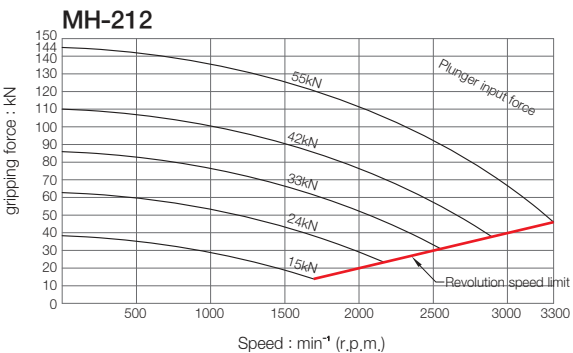
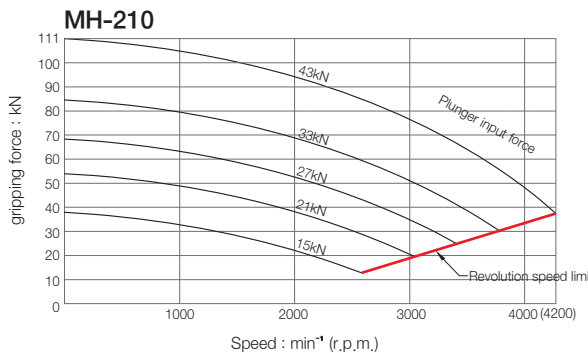
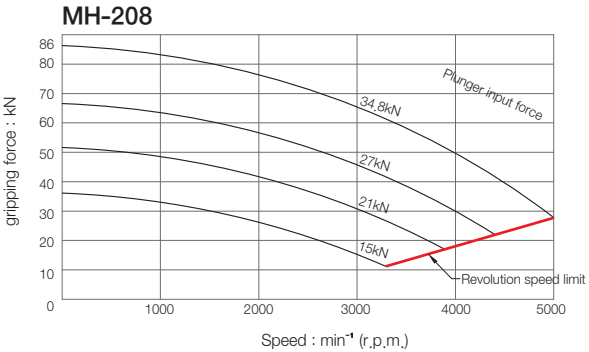
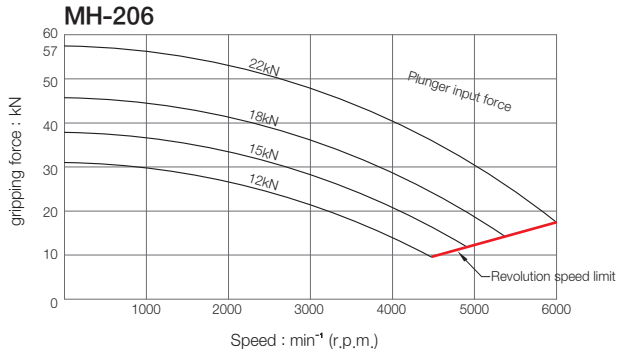
HSF - Type



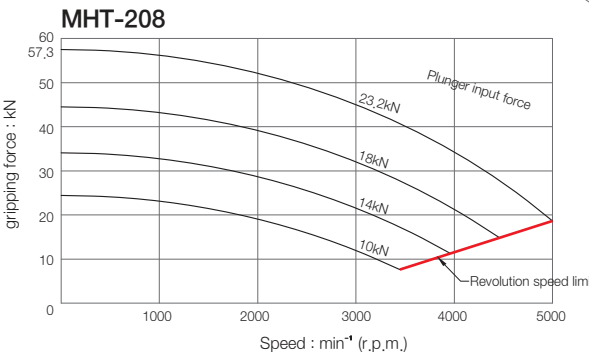
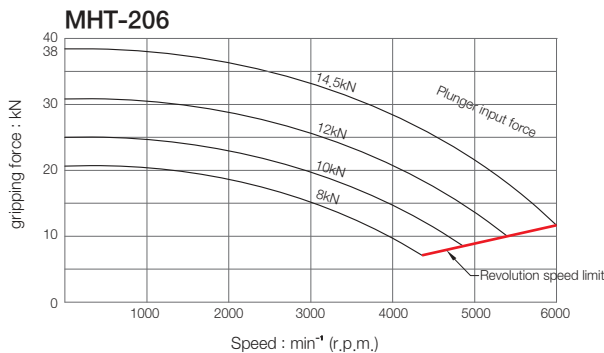
HSL - Type



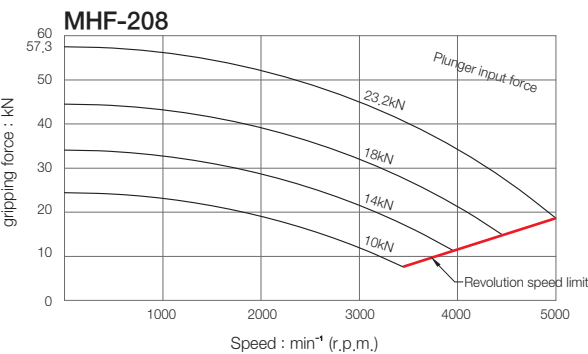
MH - Type



MHT - Type



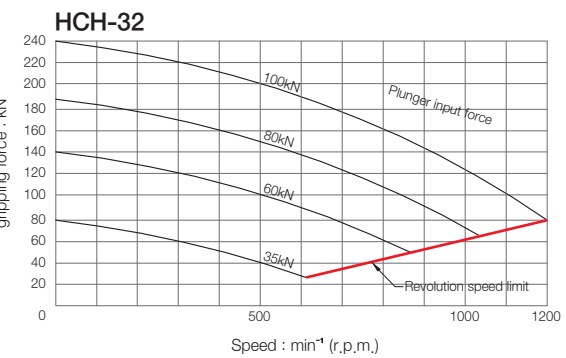
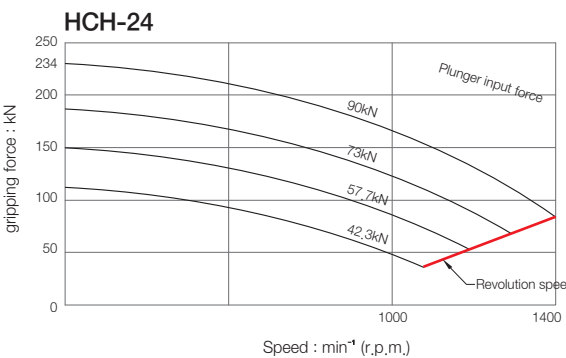
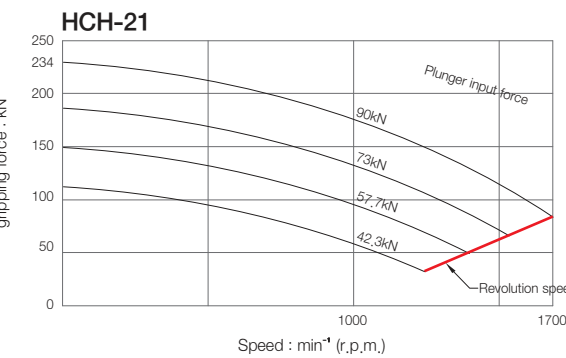
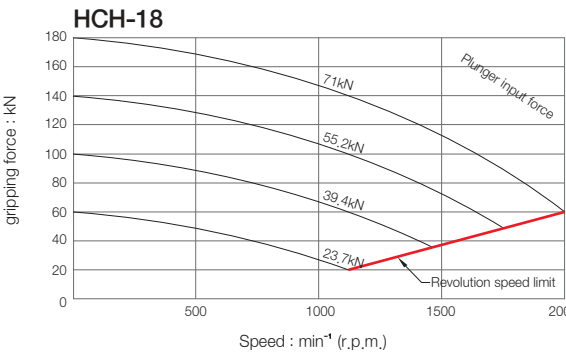
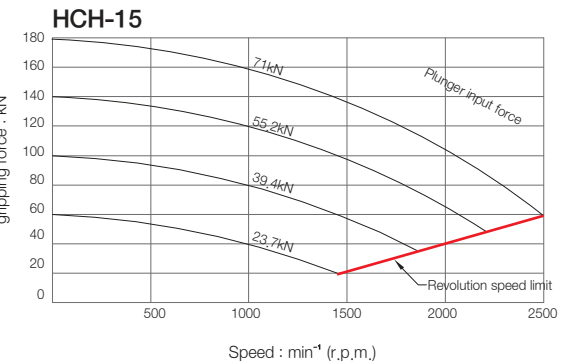
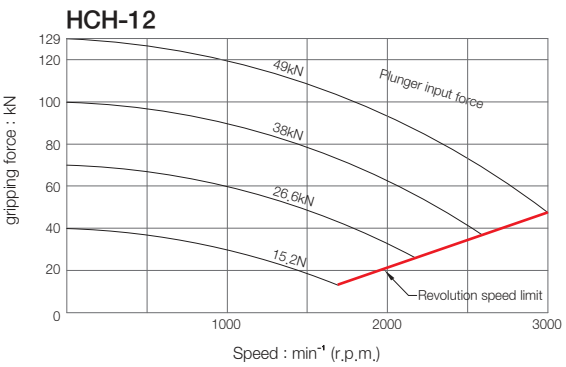
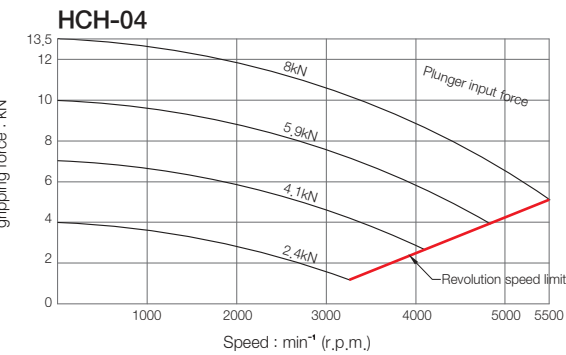
MHF - Type



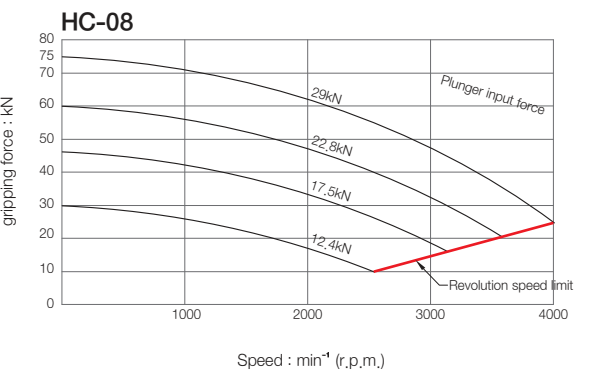
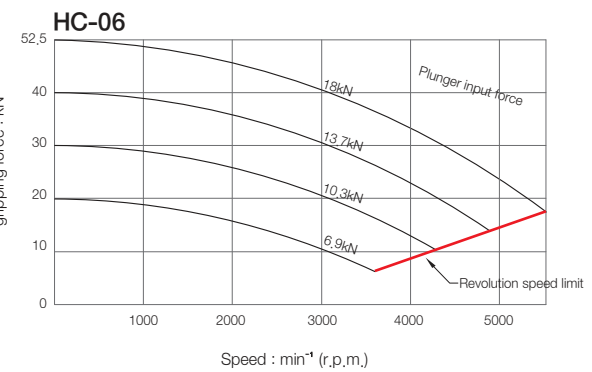
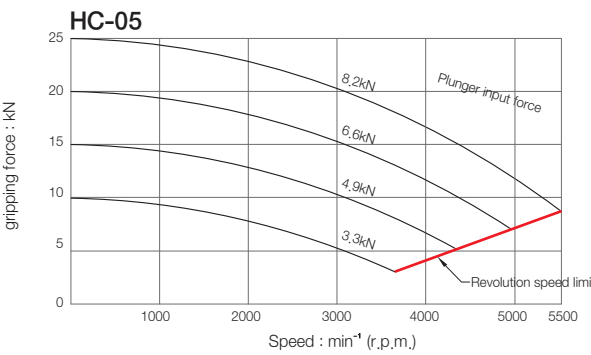
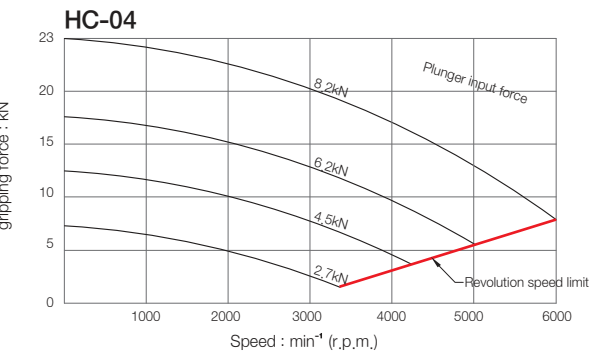
Gripping Force Chart

Relationship between Gripping Force and Rotating Speed

HCH-Type



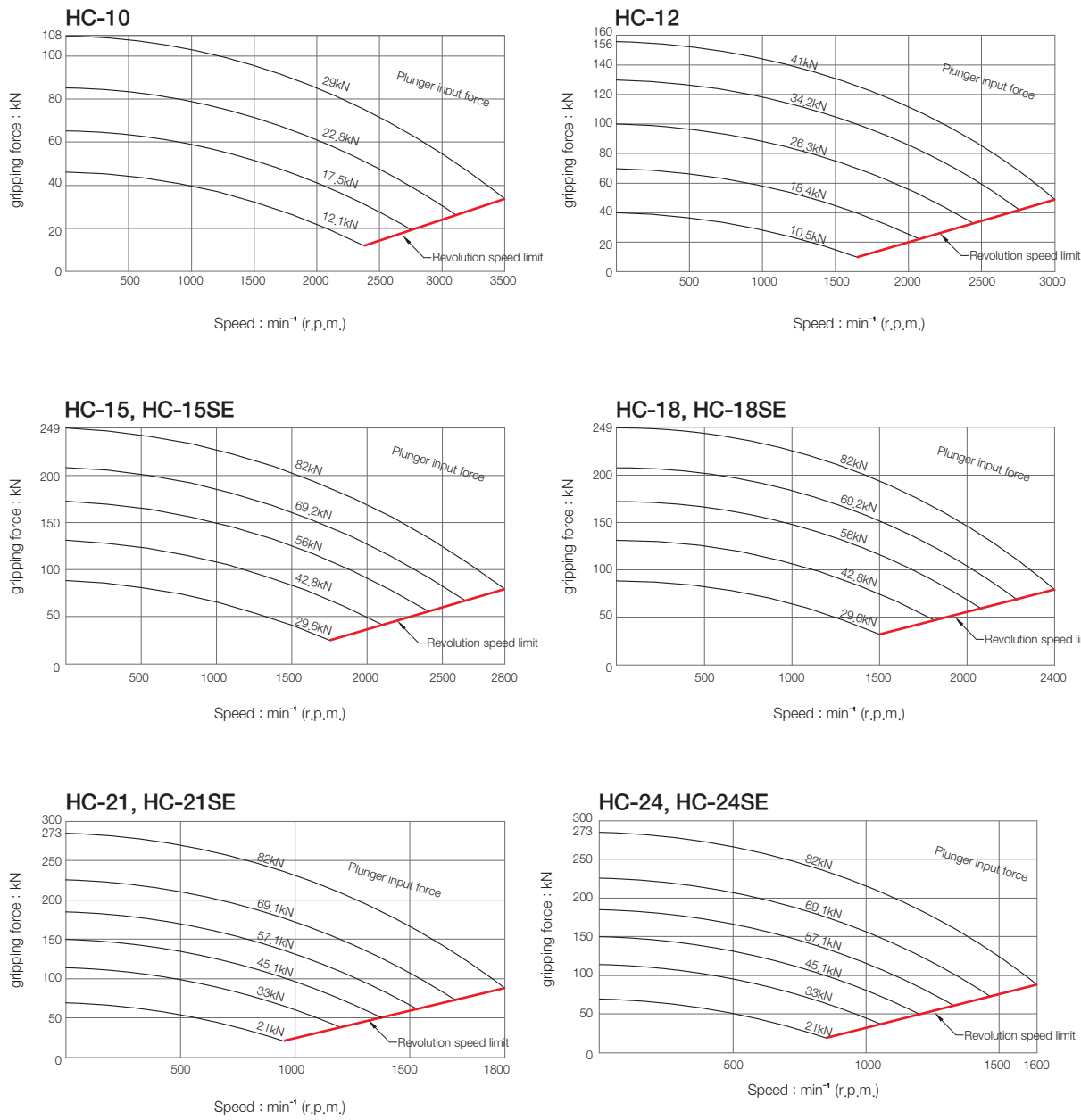
HC-Type



Gripping Force Chart

Relationship between Gripping Force and Rotating Speed

HC - Type



HCF - Type

