

POWER CHUCK (1)

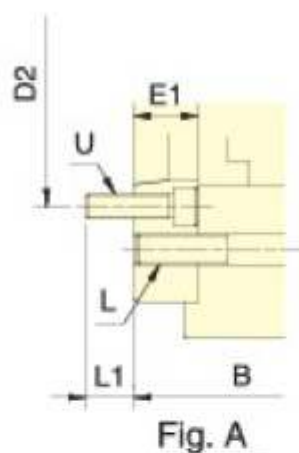
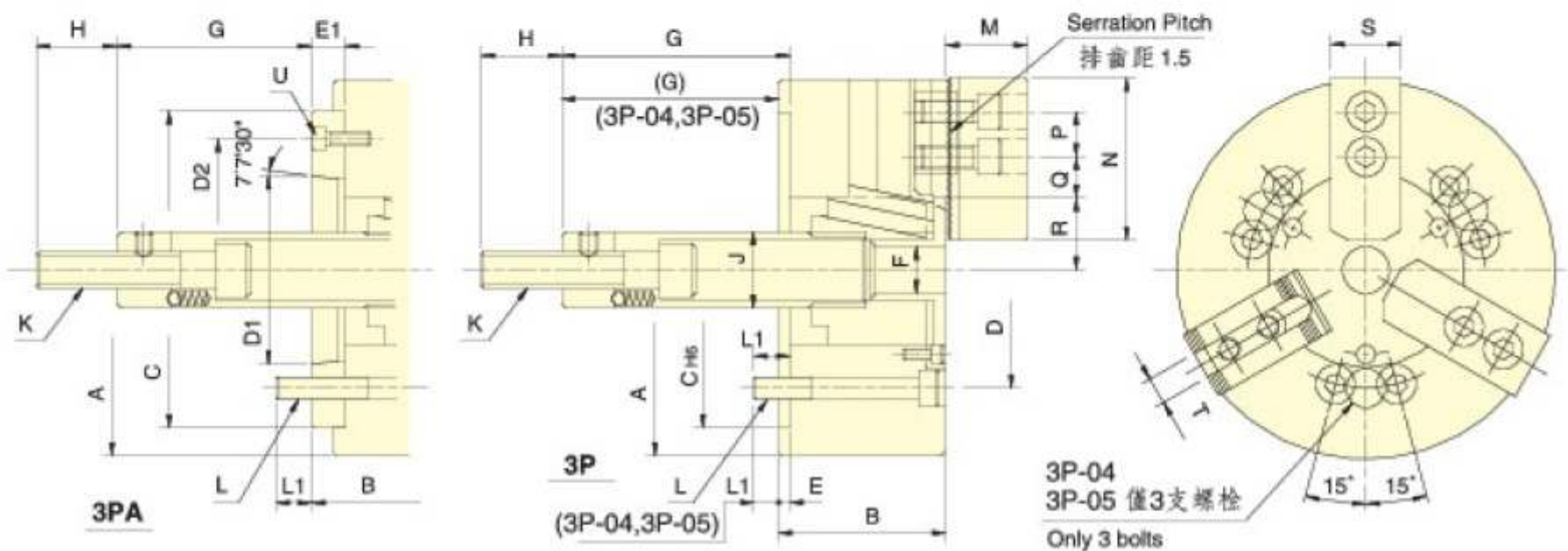


Fig. A

3P-08A5
3P-10A6
3P-12A6
Refer to Fig.A



保留規格修改的權利
Subject to technical changes.

註：紅色數據為3P-A型之寸法。

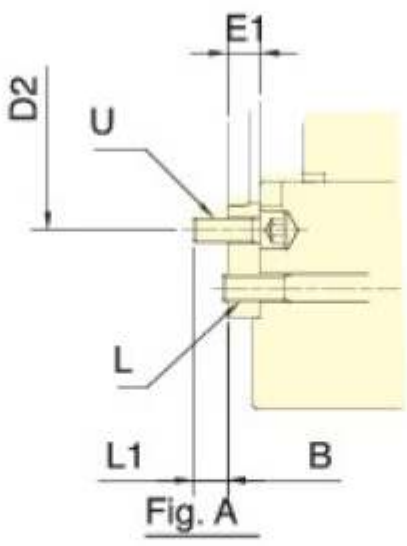
The dimensions and the specifications of 3P-A type are in the red data.

The dimensions and the specifications of RA type are in the 100 data.												
規格 Spec. 型號 Model	衝心行程 mm Plunger stroke	爪行程(直徑) mm Jaw stroke(Dia.)	夾持直徑 Chucking Dia. mm 最大 Max. 最小 Min.		容許油壓缸推力(kN) kgf Max. D.B. pull	最大夾持力(kN) kgf Max. clamping force	最高迴轉數 min ⁻¹ (rpm) Max. speed	I kg·m ²	重量 kg Weight		適用迴轉缸 Matching cyl.	最大使用壓力 Max. pressure Mpa (kgf/cm ²)
3P-04	15	6.4	110	5	8.1 (830)	22.5(2300)	6000	0.01	4.1		RH-80	2.2(22)
3P-05			135	14		25 (2550)	5500	0.02	6.2		RA-130	0.6(6)
3P-06 A5	20	8.5	165		14	17.9(1830)	52.4(5350)	5250	0.05	13	14	RH-100K RA-175
3P-08 A5 A6	21	8.8	210	17							25 (2550)	74.5(7600)
3P-10 A6 A8	25	8.8	254	22	28.9(2950)	107.8(11000)	4000	0.30	35	42 40	RA-220	3.0(30) 0.6(6)
3P-12 A6 A8	30	10.5	304							41 (4180)	155.8(15900)	3360

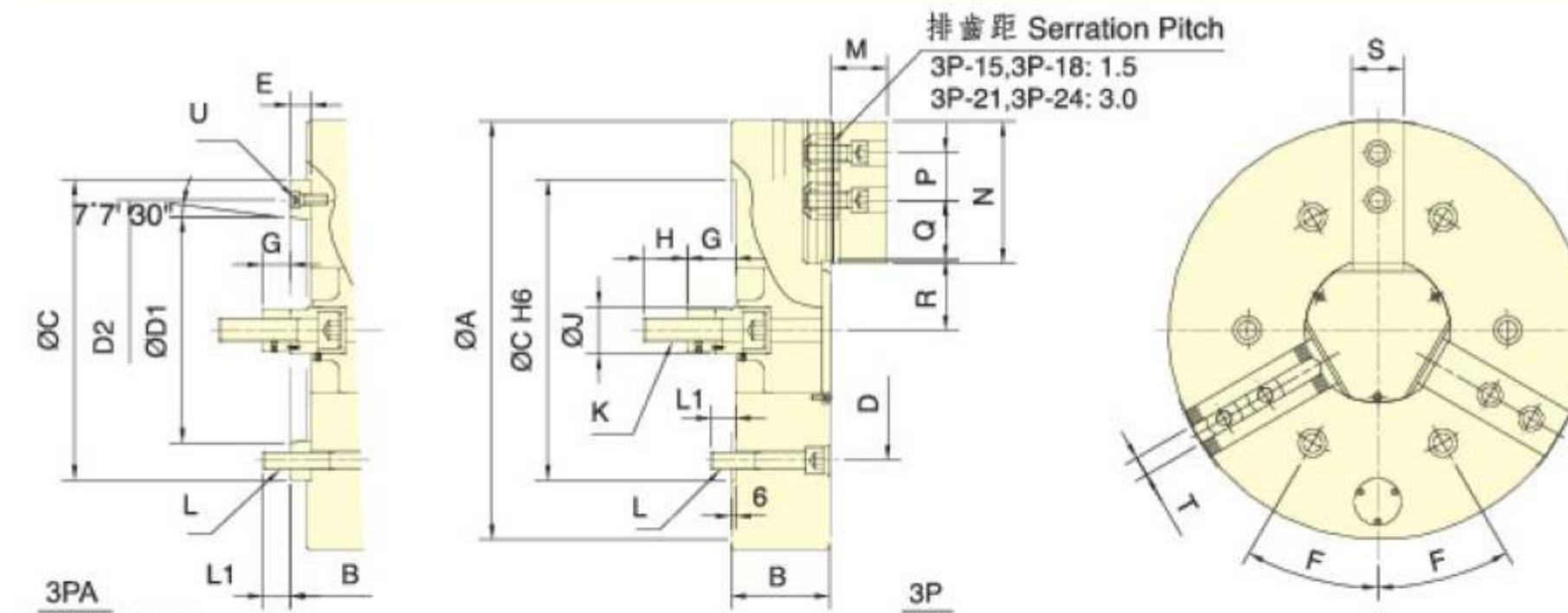
十法 Size 型號 Model	A	B		C	D	D1	D2	E	E1	F	G _{max.}		G _{min.}		H	J	
3P-04	110	52		60	80	-	-	6	-	-	18		3		25	26	
3P-05	135	55		80	100			7			9		-6		35	28	
3P-06 A5	165	74	84	140	104.8	82.56	116	5	15	21	101.5	86.5	81.5	66.6	36	34	
3P-08 A5 A6	210	85	103	170	133.4		104.8		23	25	127	104	106	83		38	
			97			150	17		110			89					
3P-10 A6 A8	254	89	109	220	171.4	106.38	133.4		25	34	158	133	133	108		45	
			102			190	18	140	115								
3P-12 A6 A8	304	106	125			106.38	133.4	6	25		163	138		108	115		50
			118			139.72	190		18			145					

寸法 Size 型式 Model	K	L	L1		M	N	P	Q max.	Q min.	R max.	R min.	S	T	U
3P-04	M10x1.5	3-M8	12		24	52	14	11.3	8.3	23.3	20.1	23	10	-
3P-05	M12x1.75		14		31	62		13.5	6	30.4	27.2	25		
3P-06 A5	M16x2	6-M10	14	14	37	73	20	18	7.5	37.8	33.5	31	12	3-M6
3P-08 A5 A6	M20x2.5	6-M12	20	17	38	95	25	22.3	11.8	46.3	41.9	35	14	6-M10
				18										3-M6
6-M16		18	25	43	110	30	30.8	11.3	51.1	46.7	40	16	6-M12	
			18										3-M8	
			25										6-M12	
			25										3-M8	

POWER CHUCK (2)



3P-15A8
3P-18A8
3P-21A8
3P-21A11
3P-24A11
Refer to Fig.A



3PA
保留規格修改的權利
Subject to technical changes.

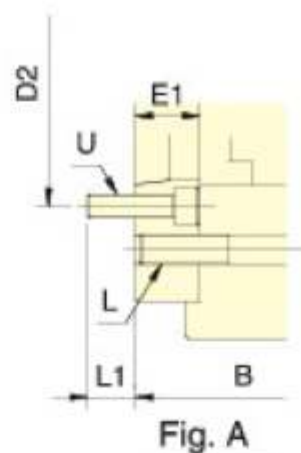
註：紅色數據為3P-A型之寸法。
The dimensions and the specifications of 3P-A type are in the red data.

規格 Spec. 型號 Model	夾心行程mm Pulgar stroke	爪行程(直徑)mm Jaw stroke(Dia.)	夾持直徑 Chucking Dia.mm		容許油壓牽引力kN(kgf) Max. D.B. pull	最大夾持力kN(kgf) Max. clamping force	最高迴轉數min ⁻¹ (rpm) Max. speed	I kg.m ²	重量 kg Weight		適用迴轉缸 Matching cyl.	最大使用壓力 Max. pressure Mpa (kgf/cm ²)
			最大 Max.	最小 Min.								
3P-15 A8	35	16	381	50	82(8360)	248.4(25350)	3000	1.95	100	114	RH-200 or RK-200(N)	3.2(32)
A11										107		
3P-18 A8			450	60						145		
A11										138		
3P-21 A8			530	62		272.6(27800)	1900	4.9	175	196		
A11										193		
A15										186		
3P-24 A11			610	152						234		
A15										227		
3P-32 A15			800				1100	36.2	426	440		
3P-40 A15			1000	158			800	98.5	776	790		

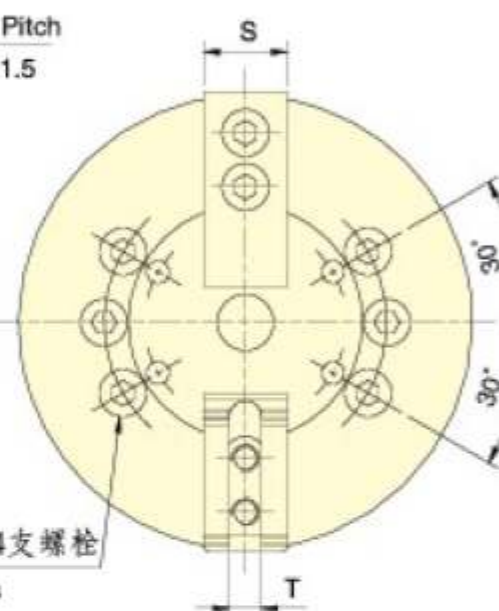
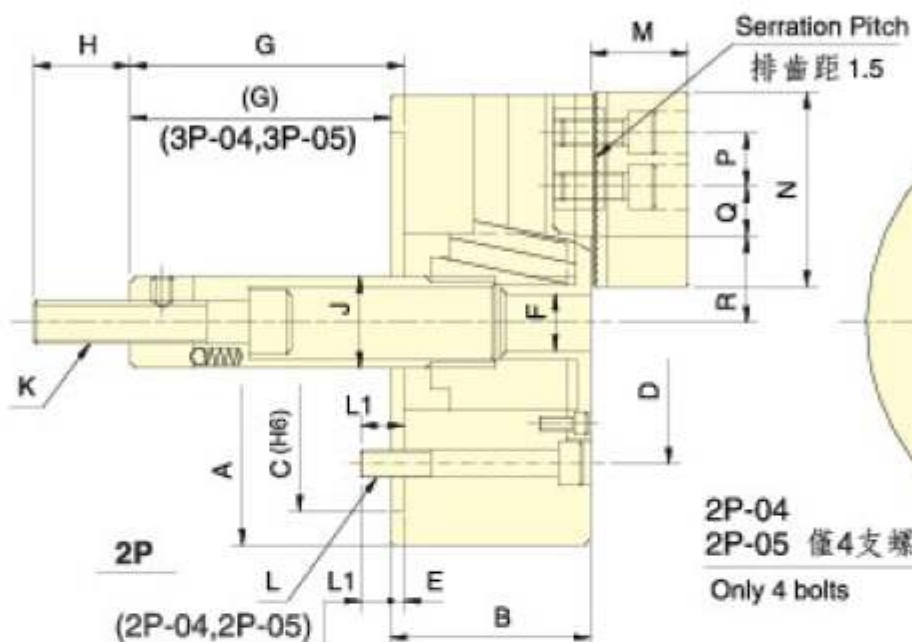
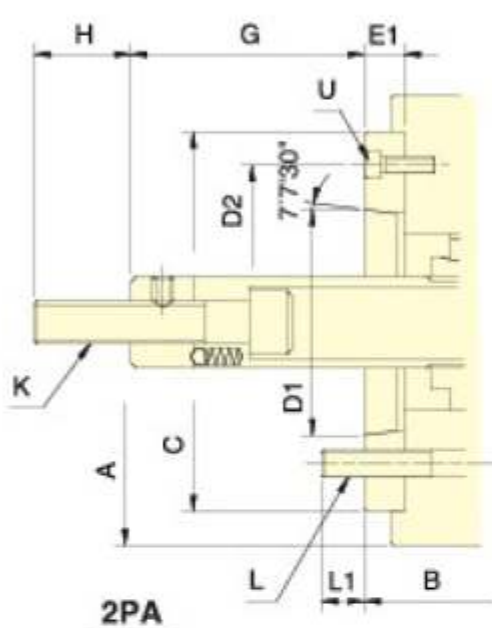
寸法 Size 型號 Model	A	B		C	D	D1	D2	E	F	G _{max.}		G _{min.}		H	J
3P-15 A8	381	114	141	300	235	139.72	171.4	33	15°	104	71	69	36	55	60
A11			130			196.87	260	22			82	47			
3P-18 A8	450		141			139.72	171.4	33		92	59	57	24		
A11			130			196.87	260	22							
3P-21 A8	530	125	146	380	330.2	139.72	171.4	27	30°	97	70	62	35		
A11						196.87	235.0								
A15						285.78	330.2								
3P-24 A11	610	127	148			196.87	235.0								
A15															
3P-32 A15	800					285.78	330.2								
3P-40 A15	1000														

寸法 Size 型號 Model	K	L	L1	M	N	P	Q max.	Q min.	R max.	R min.	S	T	U
3P-15 A8	M30x3.5	6~M20	30	63	165	43	48.8	23.3	77.5	69.5	62	25.5	6~M16
A11													3~M10
3P-18 A8													6~M16
A11													3~M10
3P-21 A8		6~M24	31	73	180	60	90.5	24.5	89	81	65	25	6~M16
A11													6~M20
A15													3~M12
3P-24 A11													6~M20
A15													6~M20
3P-32 A15				74.2			189.5		128	120			3~M12
3P-40 A15				74			288.5						

POWER CHUCK



2P-08A5
2P-10A6
Refer to Fig.A



2P-04
2P-05 僅4支螺栓
Only 4 bolts

保留規格修改的權利
Subject to technical changes.

註：紅色數據為2P-A型之寸法。

The dimensions and the specifications of 2P-A type are in the red data.

規格 Spec. 型號 Model	夾心行程mm Plunger stroke	爪行程(直徑)mm Jaw stroke(Dia.)	夾持直徑 Chucking Dia. mm 最大 Max. 最小 Min.	容許油壓缸推力kN(kgf) Max. D.B. pull	最大夾持力kN(kgf) Max. clamping force	最高迴轉數min ⁻¹ (rpm) Max. speed	I kg·m ²	重量 kg Weight	適用迴轉缸 Matching cyl.	最大使用壓力 Max. pressure Mpa (kgf/cm ²)
2P-04	15	6.4	110	5	5.3(540)	14.7(1500)	0.01	3.8	RH-80	1.5(15)
2P-05			135	14		16.7(1700)	0.02	5.8	RA-130	0.4(4)
2P-06 A5	20	8.5	165		12(1220)	35 (3570)	0.04	12	RH-100K RA-170	2.0(20) 0.4(4)
2P-08 A5	21	8.8	210	17	16.5(1680)	50 (5100)	0.13	22	RH-125K	1.7(17) 0.4(4)
2P-10 A6	25	8.8	254	22	19.4(1980)	71.5(7300)	0.29	33	RA-220	2.0(20) 0.4(4)
2P-12 A8	30	10.5	304		27.4(2800)	103.9(10600)	0.70	57	RH-150	2.0(20)
2P-15 A11	35	16	381	50	54.9(5600)	164.6(16800)	1.70	96	RH-200	2.1(21)

寸法 Size 型號 Model	A	B	C	D	D1	D2	E	E1	F	G max.	G min.	H	J
2P-04	110	52	60	80	-	-	6	-	-	18	3	25	26
2P-05	135	55	80	100	-	-	7	-	-	9	-6	35	28
2P-06 A5	165	74	84	140	104.8	82.56	116	15	21	101.5	86.5	81.5	66.6
2P-08 A5	210	85	103	170	133.4	104.8	150	23	25	127	104	106	83
2P-10 A6	254	89	109	220	171.4	133.4	139.72	17	34	158	110	108	89
2P-12 A8	304	106	118			190	18	25		163	133	115	
2P-15 A11	381	114	130	300	235	196.87	260	18	-	104	145	69	47

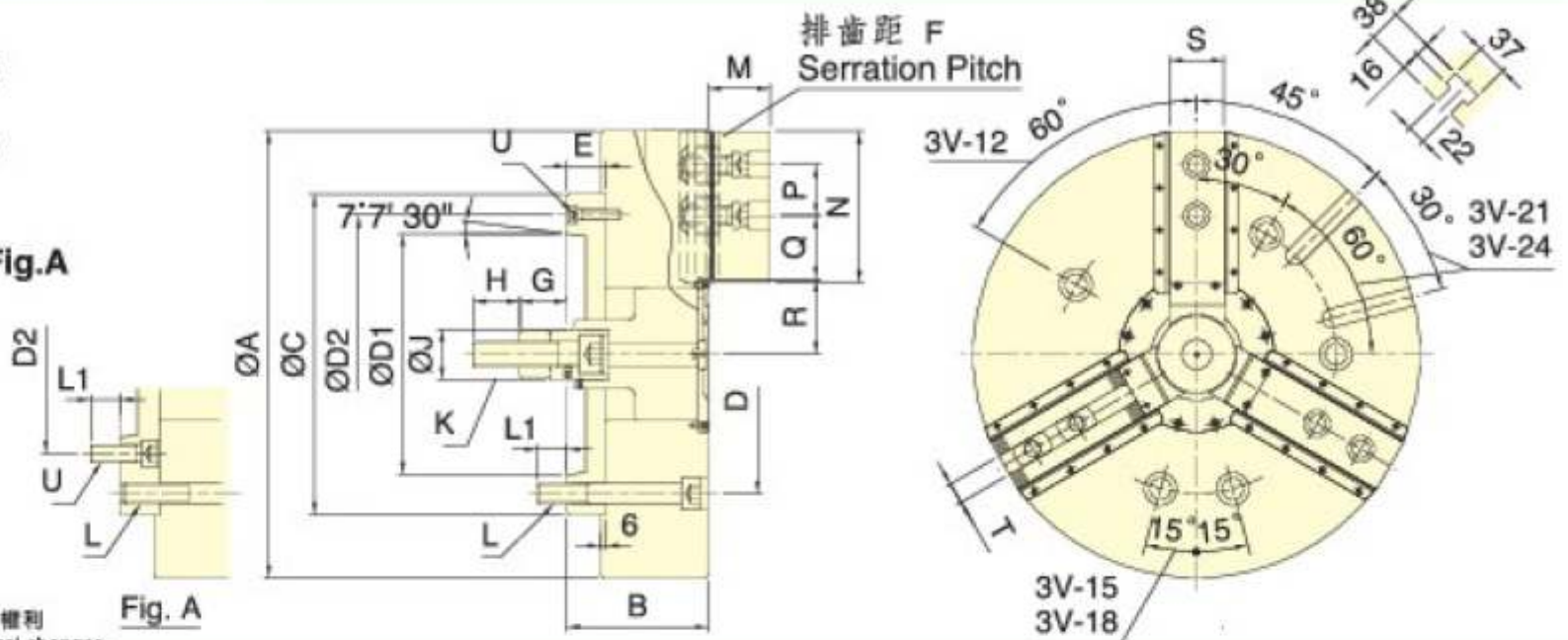
寸法 Size 型號 Model	K	L	L1	M	N	P	Q max.	Q min.	R max.	R min.	S	T	U
2P-04	M10x1.5	4~M8	12	24	52	14	11.3	8.3	23.3	20.1	23	10	-
2P-05	M12x1.75		14	31	62		13.5	6	30.4	27.2	25		
2P-06 A5	M16x2	6~M10	14	37	73	20	18	7.5	37.8	33.5	31	12	3~M6
2P-08 A5		6~M12	20	38	95	25	22.3	11.8	46.3	41.9	35	14	6~M10
2P-10 A6	M20x2.5		18	43	110	30	30.8	11.3	51.1	46.7	40	16	3~M6
2P-12 A8		6~M16	22	51	130		48.8	12.3	61	55.8	50	18or21	6~M12
2P-15 A11	M30x3.5	6~M20	30	63	165	43	48.8	23.3	77.5	69.5	62	25.5	6~M8

POWER CHUCK *For Vertical Lathe*



- 楔形三爪中實夾頭。
- 防切屑及防水設計，特別適合使用於立式車床。
- It's a WEDGE-HOOK type 3-jaw high speed power chuck.
- Sealed against swarf, chips and coolant, suitable for vertical lathe.

3V-15A8
3V-15A15
3V-18A8
3V-18A15
3V-21A11
3V-24A11
Refer to Fig.A



保留規格修改的權利
Subject to technical changes.

规格 Spec. 型号 Model	泵心行程mm Plunger stroke	爪行程(直径)mm Jaw stroke(Dia.)	夹持直径 Clamping Dia.mm 最大 Max. 最小 Min.		容许油压缸推力 kN(kgf) Max. D.B. pull	最大夹持力 kN(kgf) Max. clamping force	最高转速数 min ⁻¹ (rpm) Max. speed	I kg·m ²	重量kg Weight	适用迴轉缸 Matching cyl. RK-150 RE-150	最大使用壓力 Max. pressure Mpa (kgf/cm ²)	
3V-12 A8	30	12.7	304	22	41.0(4180)	156(15900)	3150	0.8	66		2.9(29)	
3V-15 A8	35	16	381	72	81.9(8360)	245.1(25000)	2900	2.3	130	RK-200 RE-200K	3.2(32) 3.4(34)	
A11								129				
A15			2.7	137								
A8			3.3	159								
3V-18 A11			450	133	81.9(8360)	2600	1800	3.7	165			
A15								5.3	229			
3V-21 A11			530	62			271.6(27700)	1700	5.2			222
A15									7.6			270
3V-24 A11	610	152	1100	7.3	263							
A15				36.2	430							
3V-32 A15				800								

[illegible]

寸法 Size 型號 Model	K	L	L1	M	N	P	Q _{max.}	Q _{min.}	R _{max.}	R _{min.}	S	T	U
3V-12 A8	M20x2.5	3~M16	24	54	130	30	47.5	15.75	61	54.7	50	21	3~M8
A8	M30x3.5	6~M20		66	165	43	51.25	18.25	77.5	69.5	62	25.5	6~M16
3V-15 A11			32										3~M10
A15			26										6~M24
A8			24										6~M16
3V-18 A11			32						3~M10				
A15			26						6~M24				
3V-21 A11		6~M24	35	76	180	60	93.5	24.5	89	81	65	25	3~M20
A15									128	120			3~M12
3V-24 A11													3~M20
A15	3~M12												
3V-32 A15							189.5						

POWER CHUCK For Vertical Lathe



- ◉ 楔形三爪中實夾頭。
- ◉ 主爪可手動調整行程，以利工件求心。
- ◉ 防切屑及防水設計，特別適合使用於立式車床。
- ◉ It's a WEDGE-HOOK type 3-jaw high speed power chuck.
- ◉ With manual radial setting of master jaws for the workpiece centering.
- ◉ Sealed against swarf, chips and coolant, suitable for vertical lathe.

3V-63A20
3V-79A20
Refer to Fig.B

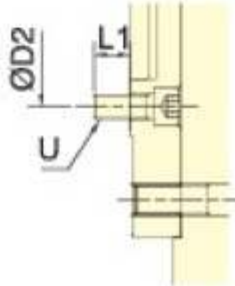


Fig. B

3V-40A20
3V-50A20
Refer to Fig.A

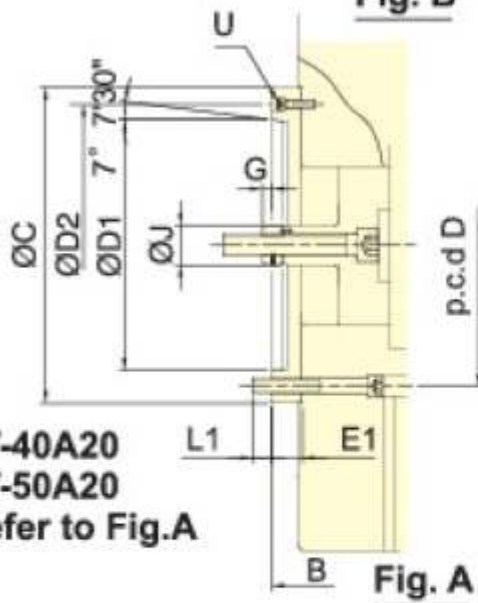
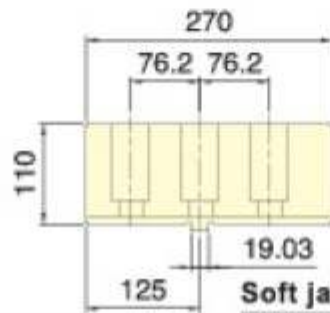
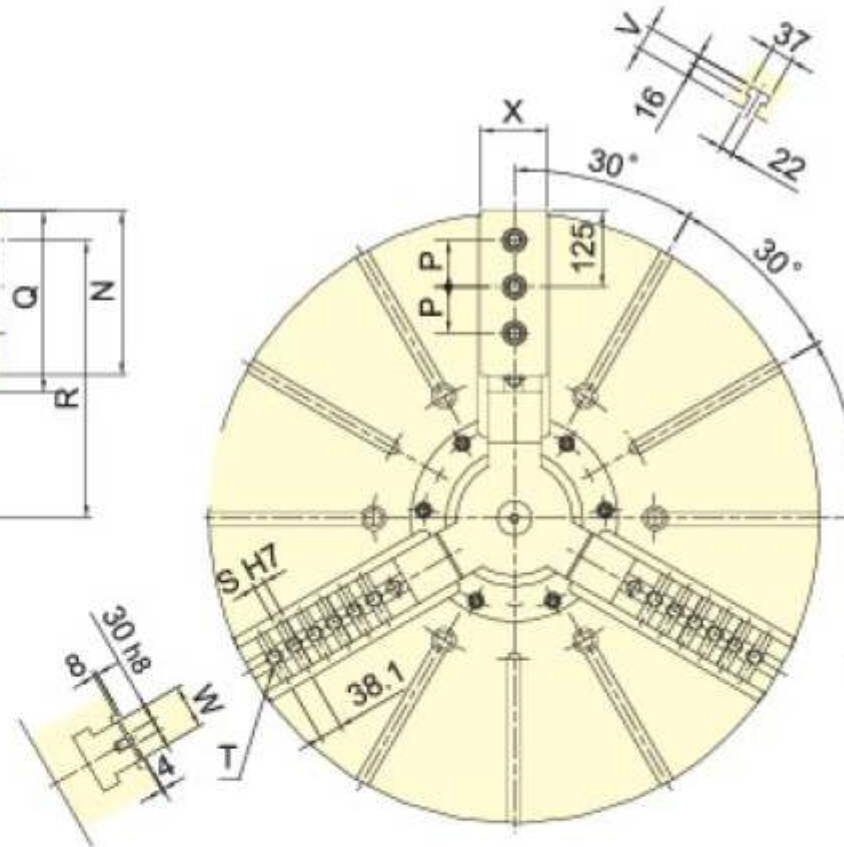
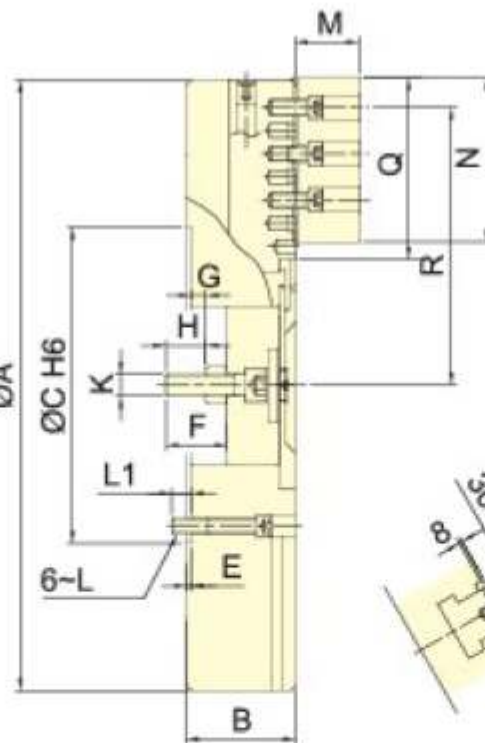
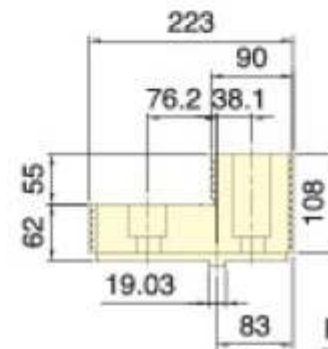


Fig. A



Soft jaw SJ-40



Hardened jaw HJ-40

保留規格修改的權利
Subject to technical changes.

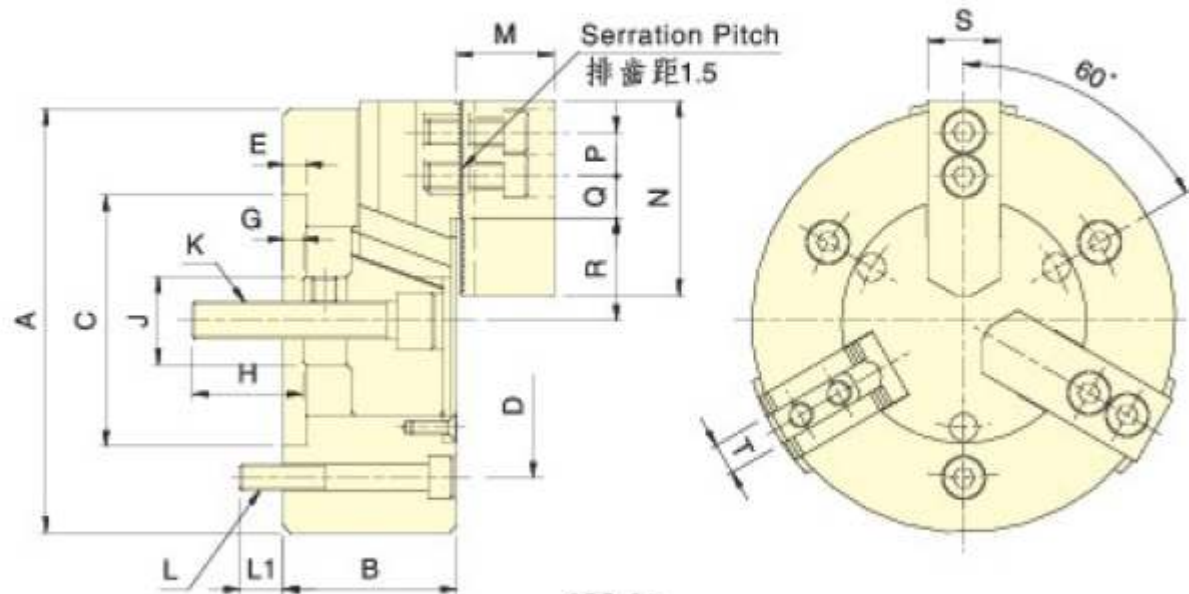
註：紅色數據為3V-A型之寸法。
The dimensions and the specifications of 3V-A type are in the red data.

規格 Spec. 型號 Model	楔心行程mm Plunger stroke	爪行程直徑mm Jaw stroke(Dia.)	夾持直徑 Chucking Dia.mm 最大 Max. 最小 Min.	容許油壓拉推力kN(kgf) Max. D.B. pull	最大夾持力kN(kgf) Max. clamping force	最高迴轉數min ⁻¹ (rpm) Max. speed	I kg·m ²	重量kg Weight	適用迴轉缸 Matching cyl.	最大使用壓力 Max. pressure Mpa (kgf/cm ²)
3V-40 A20	57	46+(60)	1005	380	180(18350)	320(32620)	630	68	600	RK-250 RE-250
3V-50 A20			1250	600						
3V-63 A20	60	48+(80)	1600	600	200(20390)	360(36700)	400	500	1600	RE-A250 RE-L250
3V-79 A20			2000	1000						
										4.24(43.2)
										4.76(46.7)

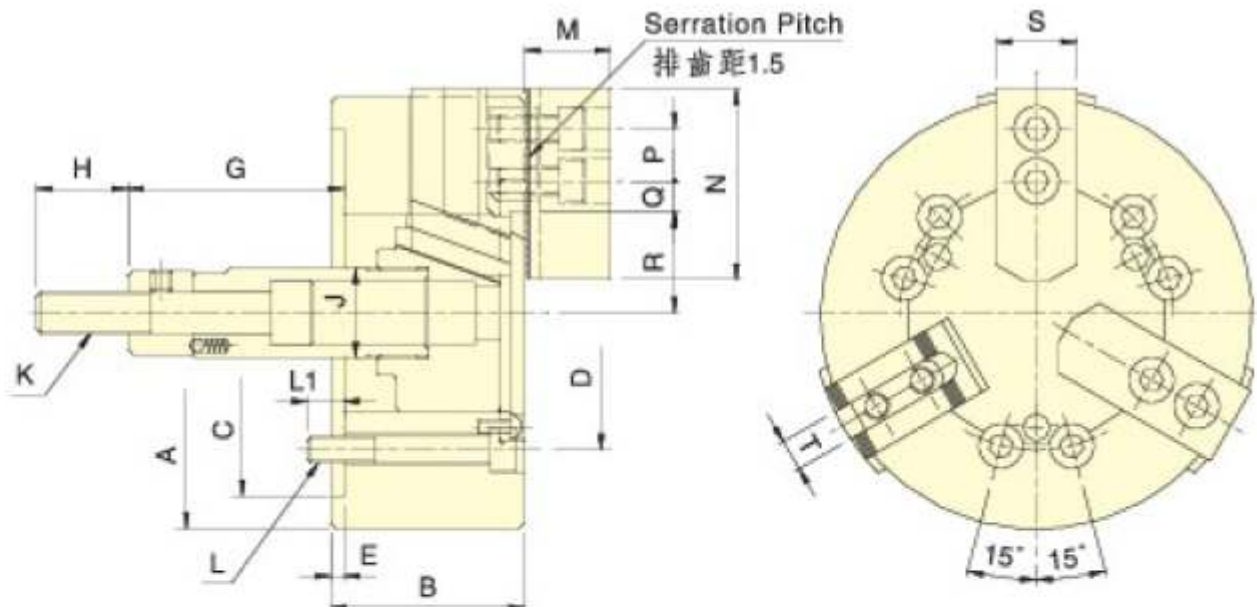
寸法 Size 型號 Model	A	B	C	D	D1	D2	E	E1	F	G max.	G min.	H	J	K
3V-40 A20	1005	184	222	520	463.6				100	24	73	-33	16	
3V-50 A20	1250					412.78	463.6	8	50					
3V-63 A20	1600	222	264	720	647.6				218	131	81	71	21	65
3V-79 A20	2000	240	282						238	133	83	73	23	65

寸法 Size 型號 Model	L	L1	M	N	P	Q	R max.	R min.	S	T	U	V	W	X
3V-40 A20	M24	37				295.5	457	404	6~19.03	7-M24	3-M12	38	85	84
3V-50 A20						418	563	510	9~19.03	9-M24				
3V-63 A20	M30	38	36	110	270	76.2	540	738	12~19.03	13-M24	12-M24	42	110	110
3V-79 A20														
							740	914	16~19.03	17-M24	6-M24			

LONG JAW STROKE POWER CHUCK



3M-05



3M-06~3M-12

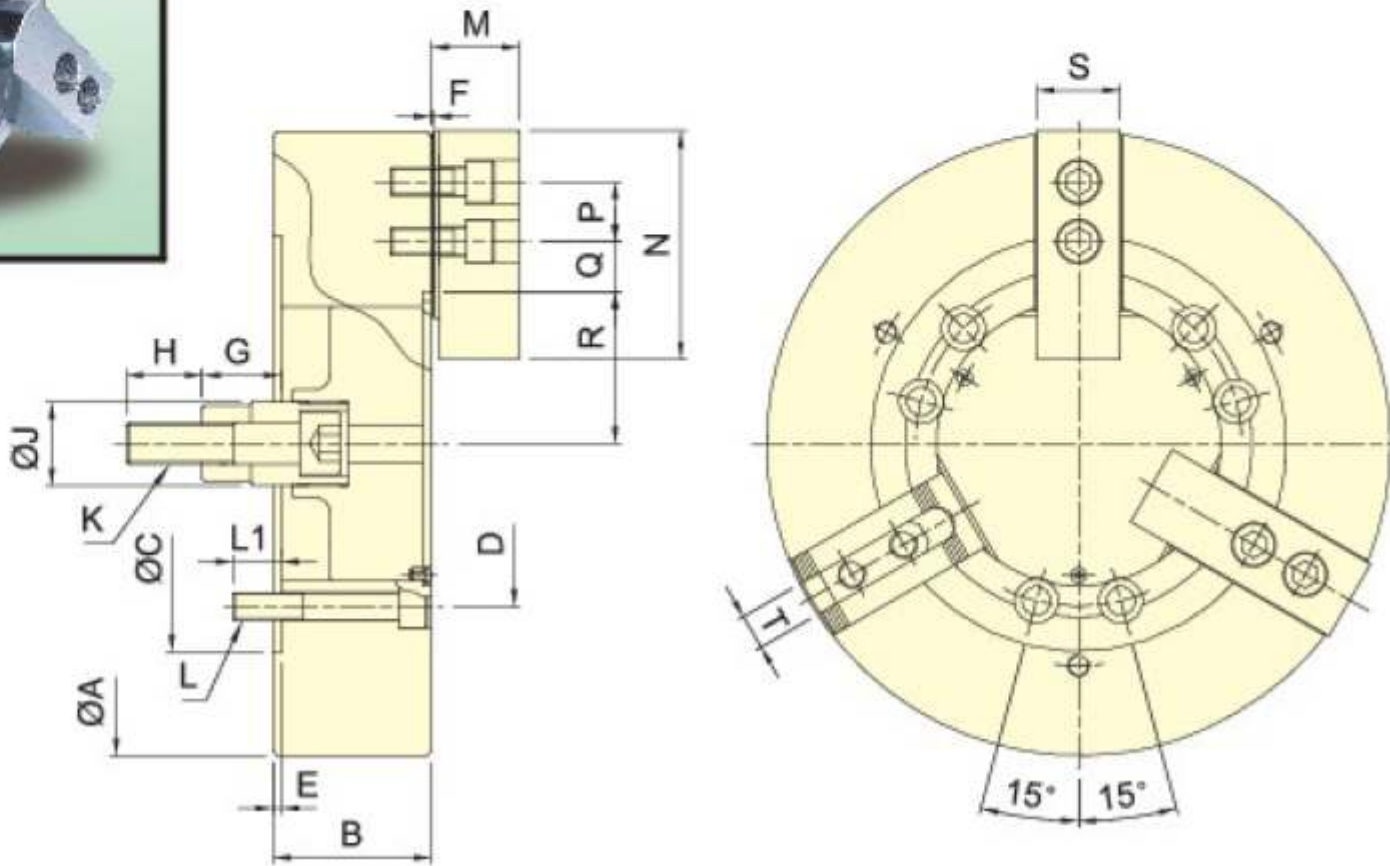
保留规格修改的权利
Subject to technical changes.

规格 Spec. 型号 Model	楔心行程 mm Plunger stroke	爪行程(直径) mm Jaw stroke(Dia.)	夹持直径 Chucking Dia. mm 最大 Max. 最小 Min.		容许油压缸推力 kN(kgf) Max. D.B. pull	最大夹持力 kN(kgf) Max. clamping force	最高转速数 min ⁻¹ (r.p.m) Max. speed	I kg·m ²	重量 kg Weight	适用芯棒缸 Matching cyl.	最大使用压力 Max. pressure Mpa (kgf/cm ²)
3M-05	15	10.9	135	14	9.8 (1000)	16.4 (1670)	4500	0.02	6.0	RK-75(N)	2.7(27)
3M-06	20	14.5	165		21.6 (2200)	36 (3680)	4000	0.04	12.2	RK-100(N)	3.0(30)
3M-08	23	16.7	210	17	29.4 (3000)	54.9 (5600)	3500	0.13	23.0	RK-125(N)	2.9(29)
3M-10	27	19.6	254	22	39.2 (4000)	74 (7550)	3000	0.30	34.3	RK-150(N)	2.8(28)
3M-12	30	21.8	304	26	54 (5500)	99 (10100)	2500	0.71	59.4		3.6(36)

寸法 Size 规格 Model	A	B	C (H6)	D	E	G _{max.}	G _{min.}	H	J
3M-05	135	55	80	100	7	6	-9	35	28
3M-06	165	74	140	104.8	5	101.5	81.5	36	34
3M-08	210	85	170	133.4		129	106		38
3M-10	254	89	220	171.4		160	133		45
3M-12	304	106			6	70	40	46	50

寸法 Size 规格 Model	K	L	L1	M	N	P	Q max.	Q min.	R max.	R min.	S	T
3M-05	M12x1.75	3~M8	14	31	62	14	17.0	5.5	32.9	27.45	25	10
3M-06	M16x2	6~M10		37	73	20	17.6	7.0	38.7	31.4	31	12
3M-08	M20x2.5	6~M12	20	38	95	25	22.8	8.8	47.5	39.1	35	14
3M-10		6~M16	18	43	110	30	33.0	12.8	53.9	44.1	40	16
3M-12	M24x3			51	130	30	47.8	13.3	62.5	51.6	50	21

LONG JAW STROKE POWER CHUCK (2)



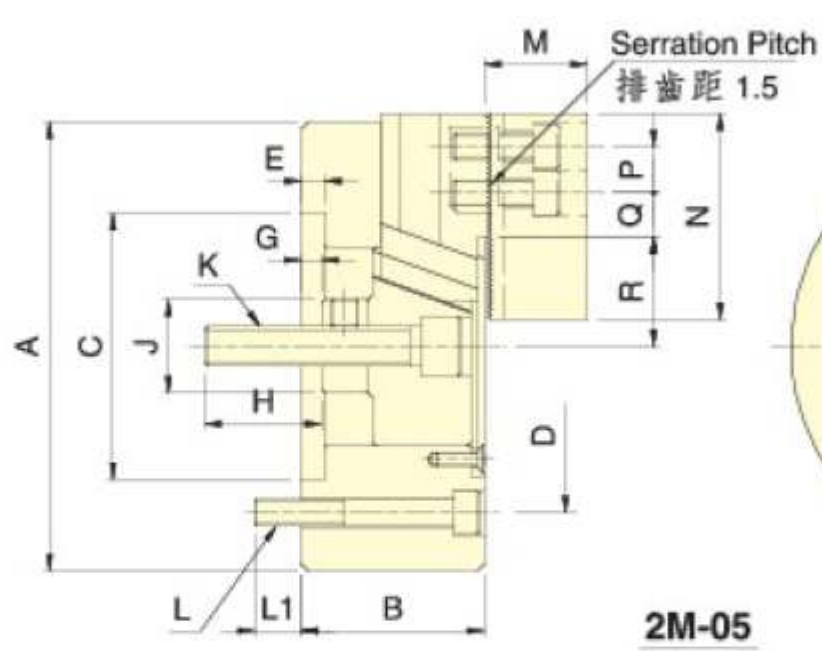
保留規格修改的權利
Subject to technical changes.

規格 Spec. 型號 Model	楔心行程mm Plunger stroke	爪行程(寬徑)mm Jaw stroke(Dia.)	夾持直徑 Chucking Dia.mm		容許拉壓能力kN(kgf) Max. D.B. pull	最大夾持力 kN(kgf) Max. clamping force	最高迴轉數 min ⁻¹ (r.p.m) Max. speed	I kg·m ²	重量 kg Weight	適用迴轉缸 Matching cyl.	最大使用壓力 Max. pressure Mpa (kgf/cm ²)
			最大 Max.	最小 Min.							
3M-215	35	25.4	381	20	91.0(9280)	158.9(16200)	2300	1.8	96	RK-200(N)	3.0(30)
3M-218			450	51			2000	2.32	124		
3M-221			530	53			1350	4.9	175		
3M-224			610	160			1250	7.2	225		

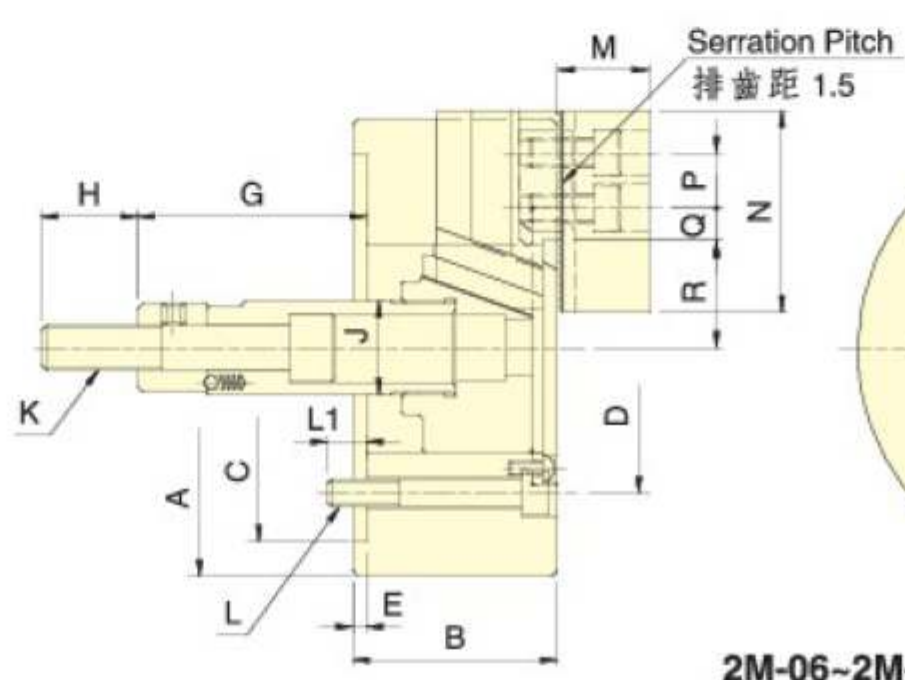
寸法 Size 型號 Model	A	B	C (H6)	D	E	F	G max.	G min.	H	J
3M-215	381	114	300	235	6	2	104	69	55	60
3M-218	450						92	57		
3M-221	530	125	380	330.2		3	97	62		
3M-224	610									

寸法 Size 型號 Model	K	L	L1	M	N	P	Q max.	Q min.	R max.	R min.	S	T
3M-215	M30x3.5	6~M20	30	63.3	165	43	49.75	18.25	79	66.3	60	25.5
3M-218			35				51.25		109.5	96.8		
3M-221		6~M24	31	71	180	60	89.0	76.3	89	76.3	65	25
3M-224							128.0	115.3	128	115.3		

LONG JAW STROKE POWER CHUCK



2M-05



2M-06~2M-12

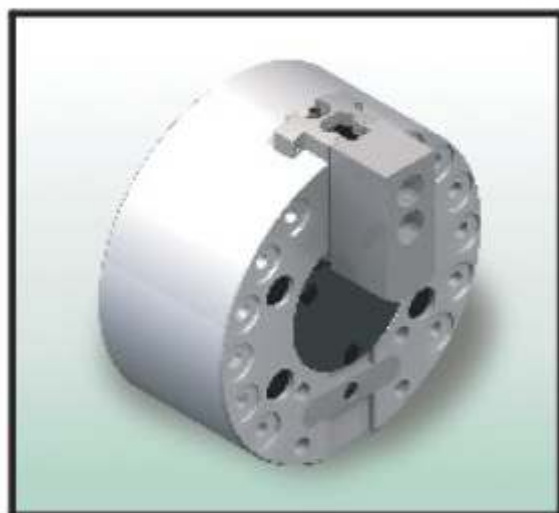
保留規格修改的權利
Subject to technical changes.

規格 Spec. 型號 Model	夾心行程mm Plunger stroke	爪行程(直徑)mm Jaw stroke(Dia.)	夾持直徑 Chucking Dia.mm 最大 Max. 最小 Min.		容許油壓缸推力kN(kgf) Max. D.B. pull	最大夾持力kN(kgf) Max. clamping force	最高迴轉數 min ⁻¹ (r.p.m) Max. speed	I kg·m ²	重量 kg Weight	適用迴轉缸 Matching cyl.	最大使用壓力 Max. pressure Mpa (kgf/cm ²)
2M-05	15	10.9	135	14	6.5(660)	11 (1120)	4500	0.02	6.0	RK-75(N)	1.8(18)
2M-06	20	14.5	165		14.3(1460)	24 (2450)	4000	0.04	12.2	RK-100(N)	2.0(20)
2M-08	23	16.7	210	17	19.6(2000)	36.6 (3730)	3500	0.13	23.0	RK-125(N)	1.9(19.3)
2M-10	27	19.6	254	22	26.1(2660)	49.3 (5030)	3000	0.30	34.3	RK-150(N)	1.8(18.6)
2M-12	30	21.8	304	26	36(3670)	66(6730)	2500	0.71	59.1		2.4(24)

尺寸 Size 型號 Model	A	B	C (H6)	D	E	G _{max.}	G _{min.}	H	J
2M-05	135	55	80	100	7	6	-9	35	28
2M-06	165	74	140	104.8	5	101.5	81.5	36	34
2M-08	210	85	170	133.4		129	106		38
2M-10	254	89	220	171.4		160	133		45
2M-12	304	106			6	70	40	46	50

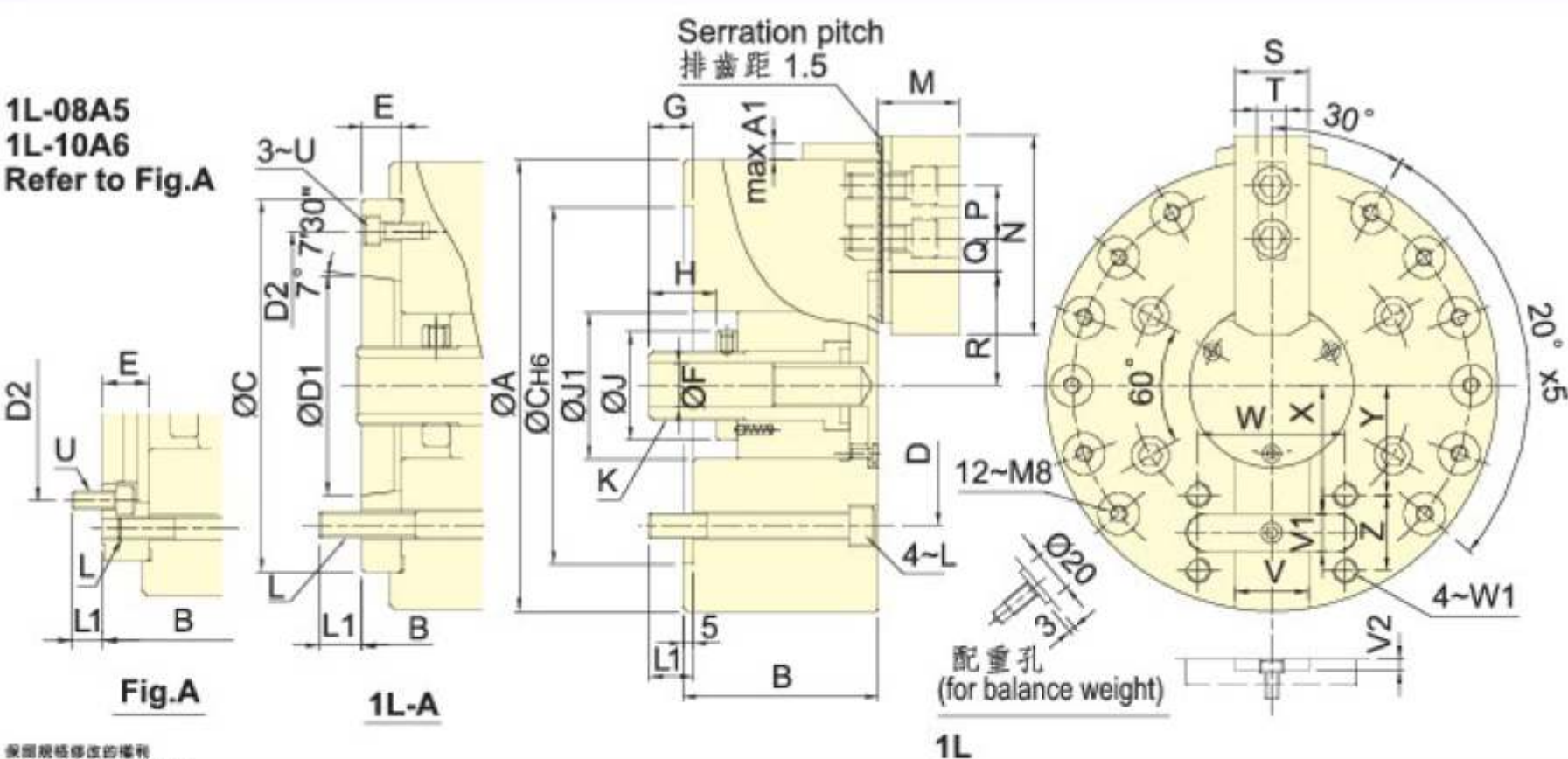
尺寸 Size 型號 Model	K	L	L1	M	N	P	Q max.	Q min.	R max.	R min.	S	T
2M-05	M12x1.75	4~M8	14	31	62	14	17.0	5.5	32.9	27.45	25	10
2M-06	M16x2	6~M10		37	73	20	17.6	7.0	38.7	31.4	31	12
2M-08	M20x2.5	6~M12	20	38	95	25	22.8	8.8	47.5	39.1	35	14
2M-10		6~M16	18	43	110	30	33.0	12.8	53.9	44.1	40	16
2M-12	M24x3			51	130		47.8	13.3	62.5	51.6	50	21

EXTRA LONG JAW STROKE POWER CHUCK



- 曲柄型單爪大貫通孔徑, 超長爪行程。
- 適用於治具的夾持。
- 高剛性結構及高夾持精度。
- It's a CRANK type single-jaw with the large through-hole, and extra long jaw stroke.
- Suitable for clamping the jig.
- Construction of high rigidity and high clamping accuracy.

1L-08A5
1L-10A6
Refer to Fig.A



保留規格修改的權利
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註：紅色數據為1L-A型之寸法。

The dimensions and the specifications of 1L-A type are in the red data.

規格 Spec. 型號 Model	楔心行程 mm Plunger stroke	爪行程 mm Jaw stroke	夾持直徑 Chucking Dia. mm 最大 Max. 最小 Min.	容許油壓缸推力 kN(kgf) Max. D.B. pull	最大夾持力 kN(kgf) Max. clamping force	最高迴轉數 min ⁻¹ (r.p.m) Max. speed	I kgm ²	重量 kg Weight	適用迴轉缸 Matching cyl.	最大使用壓力 Max. pressure Mpa (kgf/cm ²)
1L-06 A5	20	16	168 17	12.3(1250)	27.3(2780)	3800	0.05	12.8 14.6	RK-100	1.7(17.5)
1L-08 A5 A6	25	20	215 20	15.7(1600)	37.2(3800)	3000	0.15	24.5 27.4 25.6	RK-125	1.4(14.3)
1L-10 A6 A8	30	24	254 25	21.6(2200)	48.5(4950)	2400	0.28	34.0 41 39.5		1.9(19.5)

寸法 Size 型號 Model	A	A1	B		C	D	D1	D2	E	F	G _{max.}	G _{min.}	H	J	J1	K _{max.}	L	L1	
1L-06 A5	168	9.5	80	90	140	104.8	82.56	116	15	21	37	17	25	46	54	M30x1.5	M10	16	16
1L-08 A5	215	8	93	111	170	133.4		104.8	23		46	21	32	52	70	M33x1.5	M12	21	19
A6				105			150	17	20										
1L-10 A6	254	13.5	108	128	220	171.4	106.38	133.4	25	30	47	17	30	62	90	M45x1.5	M16	25	27
A8				121			139.72	190	18										

寸法 Size 型號 Model	M	N	P	Q max.	Q min.	R max.	R min.	S	T	U	V (H6)	V1(h9)	V2	W	W1	X	Y	Z
1L-06 A5	37	73	20	19.75	7.75	46	30	31	12	M6	30	15	4.5	64	M10	45	36	30
1L-08 A5 A6	38	95	25	25.25	10.25	54	34	35	14		35	18		70	M12	61	52	36
1L-10 A6 A8	43	110	30	33.75	11.25	67	43	40	16	M8	40	20	5	90		71	58.5	45