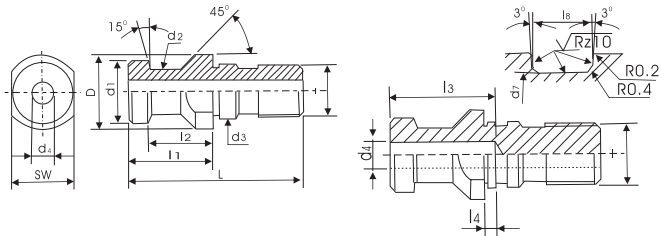




DAT 螺栓拉頭

Pull studs also can use for
DAT shank(DIN 69 871-A)
DBT shank(DIN 69 871-B)
DCT shank(DIN 69 873)
A為通孔,利于出水。

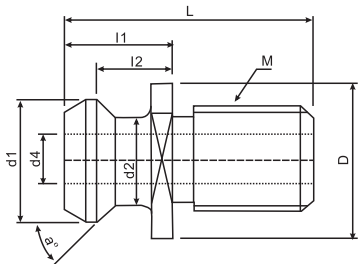


尺寸圖 / DIMENSIONS

規格表 | SPECIFICATIONS | 單位: UNIT:mm

規格/TYPE	D	D1	D2	D3	D4	L	I1	I2	I3	I4	SW	T	重量 (KGS)
DAT30-A	17	13	9	13		44	24	19			13	M12	0.03
DAT40-A	23	19	14	17	7	54	26	20			19	M16	0.06
DAT50-A	36	28	21	25	11.5	74	34	25			30	M24	0.25
DAT30-B	17	13	9	13		44	24	19		2.3	13	M12	0.03
DAT40-B	23	19	14	17	7	54	26	20	27	3.0	19	M16	0.09
DAT50-B	36	28	21	23	11.5	74	34	25	37	4.5	30	M24	0.25

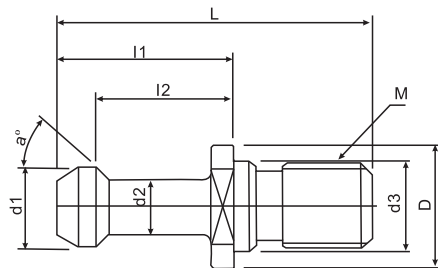
CAT 拉頭



尺寸圖 / DIMENSIONS

規格/TYPE	a°	L	I1	I2	D	d1	d2	d3	M	備注/REMARK
CAT40	45	38.1	16.2	11.2	23.8	18.8	12.4	7.4	5/8"	
CAT50	45	58.4	25.4	17.8	36.0	28.9	20.8	11.8	1"	

CAT-BT 拉頭



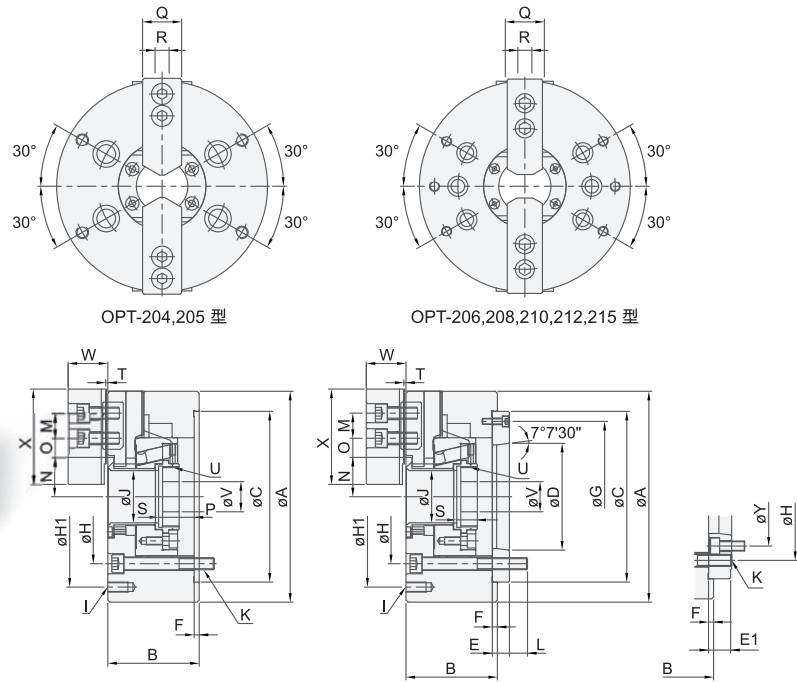
尺寸圖 / DIMENSIONS

規格/TYPE	a°	L	I1	I2	D	d1	d2	d3	M	備注/REMARK
CAT40x45°	45	57.0	32	25.0	23	15	10	-	5/8"	
CAT40x60°	60	57.0	32	25.0	23	15	10	-	5/8"	
CAT40x90°	90	57.0	32	25.0	23	15	10	-	5/8"	
CAT50x45°	45	78.6	45	35.2	38	23	17	-	1"	
CAT50x60°	60	78.6	45	35.2	38	23	17	-	1"	
CAT50x90°	90	78.6	45	35.2	38	23	17	-	1"	
CAT40x45°M	45	57.0	32	25.0	23	15	10	17	M16	
CAT40x60°M	60	57.0	32	25.0	23	15	10	17	M16	
CAT40x90°M	90	57.0	32	25.0	23	15	10	17	M16	

油壓夾頭系列
YDRAULIC CHUCK SERIES



二爪高速中空油壓夾頭



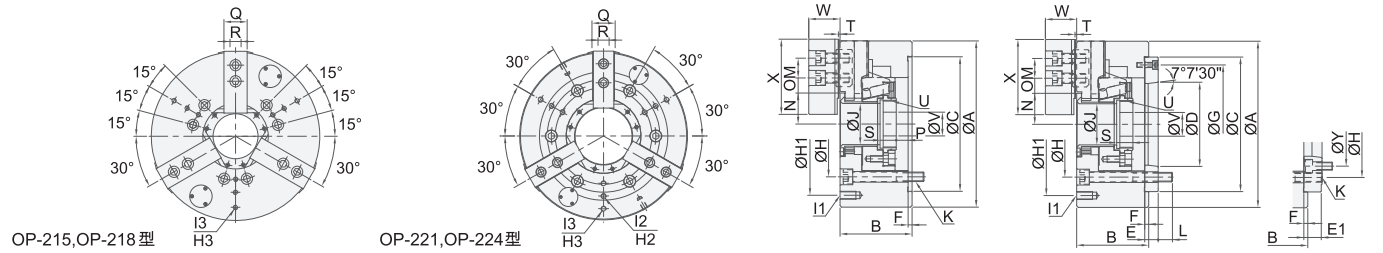
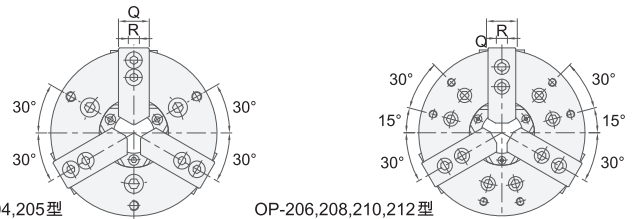
規格表 SPECIFICATIONS 單位: UNIT:mm

型式/規格 MODEL / SPEC.	主軸鼻端番號 Nose Of Spindle	A	B	C (h6)	D	E	E1	F	G	H	H1	I	J	K	L
OPT-204	--	110	59	85	--	--	--	4	--	70.6	--	--	26	4-M10x1.5P	--
OPT-205	A ₂ -4	135	60	110	63.513	20	--	4	96	82.6	PCDø118	4-M8x1.25P	33	4-M10x1.5P	15
OPT-206	A ₂ -5	169	81	140	82.563	15	--	5	116	104.8	PCDø145	6-M10x1.5P	45	6-M10x1.5P	16
OPT-208	A ₂ -6(A ₂ -5)	210	91	170	106.375	17	23	5	150	133.4	PCDø180	6-M10x1.5P	52	6-M12x1.75P	18
OPT-210	A ₂ -8(A ₂ -6)	254	100	220	139.719	18	28	5	190	171.4	PCDø225	6-M12x1.75P	75	6-M16x2P	23
OPT-212	A ₂ -8	304	110	220	139.719	18	--	6	190	171.4	PCDø250	6-M12x1.75P	91	6-M16x2P	25
OPT-215	A ₂ -11(A ₂ -8)	381	133	300	196.869	22	33	6	260	235	PCDø324	6-M12x1.75P	117.5	6-M20x2.5P	28

型式/規格 MODEL / SPEC.	M	N max.	N min.	O max.	O min.	P max.	P min.	Q	R	S	T	U	V	W	X	Y	通孔直徑 Thru-Hole [Diameter] (mm)	柱塞行程 Plunger Stroke (mm)
OPT-204	14	23	20.3	11.5	6.7	3.5	-6.5	23	10	17.5	2	M32x1.5P	12	24	49.5	--	26	10
OPT-205	14	26.2	23.5	19	6	1	-9	25	10	20	2	M40x1.5P	12	31.5	62	--	33	10
OPT-206	20	32.35	29.6	24	7	11	-1	31	12	19	2	M55x2P	20	37.5	73	--	45	12
OPT-208	25	39.1	35.4	30	10	14.5	-1.5	35	14	20.5	2	M60x2P	30	39.5	95	104.8	52	16
OPT-210	30	51.5	47.1	34	12	8.5	-10.5	40	16	25	2	M85x2P	40	43	110	133.4	75	19
OPT-212	30	61.6	56.3	46	12	8	-15	50	21	28	2	M100x2P	50	51	129	--	91	23
OPT-215	43	82.3	77	46	13	7.5	-16	62	22	42.5	5	M130x2P	48	66.5	165	171.4	117.5	23

型式/規格 MODEL / SPEC.	爪行程 〔直徑〕 Jaw Stroke [Diameter] (mm)	最高回轉速 Max.Speed r.p.m.(min ⁻¹)	最大拉力 Max. Pull Force		最大靜夾持力 Max. Gripping Force		最大設定 油壓壓力 Max. Hydr. Pressure		淨重 Weight (kg)	搭配 油壓缸型號 Matching Cylinder	夾持範圍 Gripping Range
			kgf	(KN)	kgf	(KN)	kgf/cm ²	(Mpa)			
OPT-204	5.4	8000	920	(9)	1930	(19)	15.5	(1.5)	3.6	P0928	ø7~ø110
OPT-205	5.4	7000	1120	(11)	2340	(23)	19	(1.9)	6.5	P1036	ø10~ø135
OPT-206	5.5	6000	1420	(14)	3770	(37)	18.5	(1.8)	13.1	P1246	ø13~ø169
OPT-208	7.4	5000	2240	(22)	5710	(56)	17	(1.7)	23.0	P1552	ø13~ø210
OPT-210	8.8	4200	2850	(28)	7440	(73)	18	(1.8)	35.9	P1875	ø30~ø254
OPT-212	10.6	3300	3670	(36)	9690	(95)	18	(1.8)	56.6	P2091	ø35~ø304
OPT-215	10.6	2500	4790	(47)	12130	(119)	17	(1.7)	103.2	P2511	ø35~ø381

三爪高速中空油壓夾頭



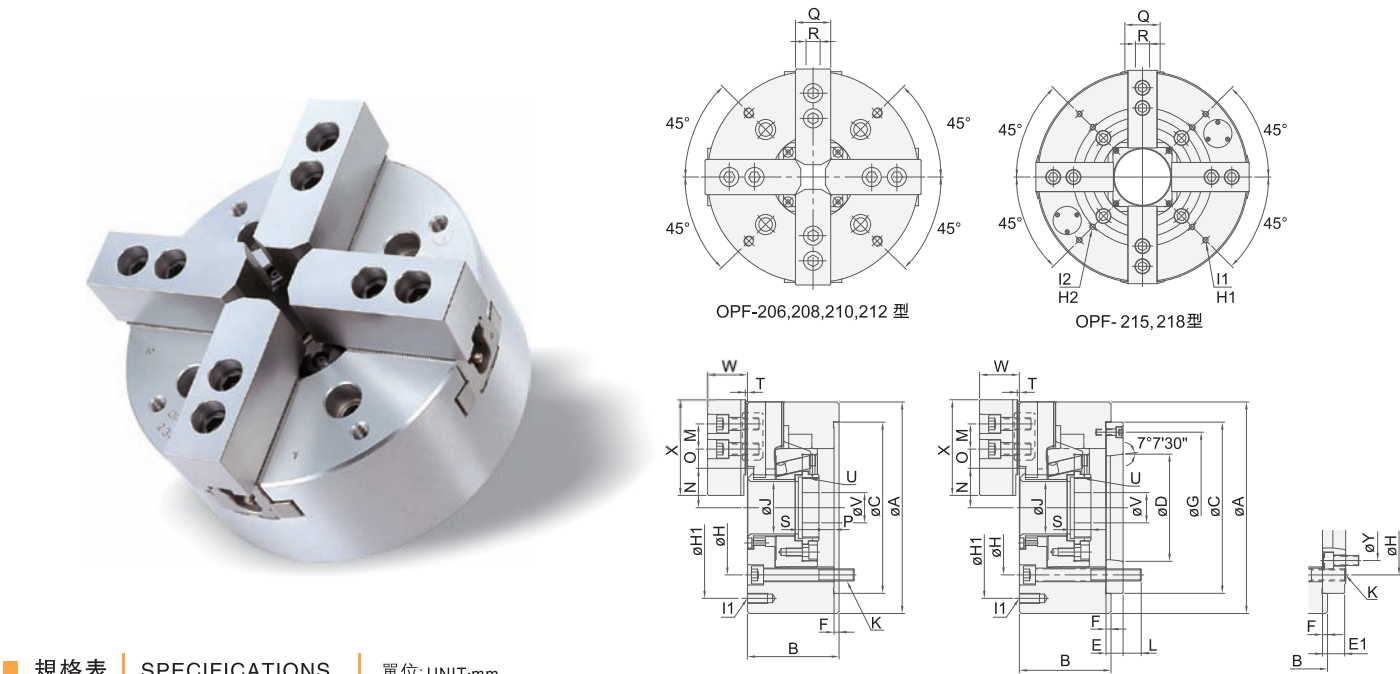
規格表 SPECIFICATIONS 單位: UNIT:mm

型式/規格 MODEL / SPEC.	主軸鼻端番號 Nose Of Spindle	A	B	C (h6)	D	E	E1	F	G	H	H1	I1	H2	I2	H3
OP-204	--	110	59	85	--	--	--	4	--	70.6	--	--	--	--	--
OP-205	A ₂ -4	135	60	110	63.513	20	--	4	96	82.6	PCDø118	3-M8x1.25P	--	--	--
OP-206	A ₂ -5	169	81	140	82.563	15	--	5	116	104.8	PCDø145	6-M10x1.5P	--	--	--
OP-208	A ₂ -6(A ₂ -5)	210	91	170	106.375	17	23	5	150	133.4	PCDø180	6-M10x1.5P	--	--	--
OP-210	A ₂ -8(A ₂ -6)	254	100	220	139.719	18	28	5	190	171.4	PCDø225	6-M12x1.75P	--	--	--
OP-212	A ₂ -8	304	110	220	139.719	18	--	6	190	171.4	PCDø250	6-M12x1.75P	--	--	--
OP-215	A ₂ -11(A ₂ -8)	381	133	300	196.869	22	33	6	260	235	--	--	PCDø230	3-M12x1.75P	PCDø300
OP-218	A ₂ -11(A ₂ -8)	450	133	300	196.869	22	33	6	260	235	PCDø230	3-M12x1.75P	PCDø300	3-M12x1.75P	PCDø380
OP-221	A ₂ -15(A ₂ -11)	530	140	380	285.775	27	41	6	330.2	330.2	PCDø300	3-M16x2P	PCDø380	3-M16x2P	PCDø460
OP-224	A ₂ -20(A ₂ -15)	610	149	520	412.745	27	42	6	463.6	463.6	PCDø350	3-M16x2P	PCDø450	3-M16x2P	PCDø550
OP-210BH	A ₂ -8(A ₂ -6)	254	100	220	139.719	18	28	5	190	171.4	--	--	PCDø160	3-M12x1.75P	PCDø220
OP-212BH	A ₂ -8	304	108	220	139.719	18	--	6	190	171.4	--	--	PCDø170	3-M16x2P	PCDø260

型式/規格 MODEL / SPEC.	I3	J	K	L	M	N max.	N min.	O max.	O min.	P max.	P min.	Q	R	S	T	U	V	W	X
OP-204	--	26	3-M10x1.5P	--	14	23	20.3	11.5	6.7	3.5	-6.5	23	10	17.5	2	M32x1.5P	12	24	49.5
OP-205	--	33	3-M10x1.5P	15	14	26.2	23.5	19	6	1	-9	25	10	20	2	M40x1.5P	12	31.5	62
OP-206	--	45	6-M10x1.5P	16	20	32.35	29.6	24	7	11	-1	31	12	19	2	M55x2P	20	37.5	73
OP-208	--	52	6-M12x1.75P	18	25	39.1	35.4	30	10	14.5	-1.5	35	14	20.5	2	M60x2P	30	39.5	95
OP-210	--	75	6-M16x2P	23	30	51.5	47.1	34	12	8.5	-10.5	40	16	25	2	M85x2P	40	43	110
OP-212	--	91	6-M16x2P	25	30	61.6	56.3	46	12	8	-15	50	21	28	2	M100x2P	50	51	129
OP-215	3-M12x1.75P	117.5	6-M20x2.5P	28	43	82.3	77	46	13	7.5	-16	62	22	42.5	5	M130x2P	48	66.5	165
OP-218	3-M12x1.75P	120	6-M20x2.5P	28	43	83.8	78.5	78	18	7.5	-16	62	22	42.5	5	M130x2P	48	66.5	165
OP-221	3-M16x2P	180	6-M24x3P	35	60	119.6	114.3	63.3	21.3	10.5	-13	65	25	42.5	5	M195x2P	80	73.5	180
OP-224	3-M16x2P	205	6-M24x3P	36	60	134.4	128.4	87.3	21.3	13.5	-11	65	25	41	5	M220x3P	80	73.5	180
OP-210BH	3-M12x1.75P	78	6-M16x2P	24	30	53.1	48.6	33.55	11.05	8.95	-10.55	40	16	25	2	M87x2P	40	43	110
OP-212BH	3-M16x2P	93	6-M16x2P	27	30	63.7	58.7	45.55	12.55	8.65	-13.05	50	21	26	2	M103x2P	50	51	129

型式/規格 MODEL / SPEC.	Y	通孔直徑 Thru-Hole [Diameter] (mm)	柱塞行程 Plunger Stroke (mm)	爪行程 〔直徑〕 Jaw Stroke [Diameter] (mm)	最高回轉速 Max.Speed r.p.m.(min ⁻¹)	最大拉力 Max. Pull Force		最大靜夾持力 Max. Gripping Force		最大設定 油壓壓力 Max. Hydr. Pressure	淨重 Weight (kg)	搭配 油壓缸型號 Matching Cylinder	夾持範圍 Gripping Range
						kgf	(KN)	kgf	(KN)				
OP-204	--	26	10	5.4	8000	1428	(14)	2850	(28)	24	(2.3)	P0928	ø7~ø110
OP-205	--	33	10	5.4	7000	1730	(17)	3570	(35)	29	(2.8)	P1036	ø10~ø135
OP-206	--	45	12	5.5	6000	2140	(21)	5710	(56)	28	(2.7)	P1246	ø13~ø169
OP-208	104.8	52	16	7.4	5000	3360	(33)	8360	(82)	26	(2.5)	P1552	ø13~ø210
OP-210	133.4	75	19	8.8	4200	4280	(42)	11010	(108)	27	(2.6)	P1875	ø30~ø254
OP-212	--	91	23	10.6	3300	5500	(54)	14380	(141)	27	(2.6)	P2091	ø35~ø304
OP-215	171.4	117.5	23	10.6	2500	7140	(70)	18250	(179)	24.5	(2.4)	P2511	ø35~ø381
OP-218	171.4	120	23	10.6	2000	7140	(70)	18250	(179)	24.5	(2.4)	P2511	ø40~ø450
OP-221	235	180	23	10.6	1700	9080	(89)	23760	(233)	23.5	(2.3)	P3420	ø115~ø530
OP-224	330.2	205	26	12	1400	9080	(89)	23760	(233)	23.5	(2.3)	P3420	ø140~ø610
OP-210BH	133.4	78	19.5	9	4200	4280	(42)	11010	(108)	27	(2.6)	P1878	ø30~ø254
OP-212BH	--	93	21	10	3300	5500	(54)	14380	(141)	28	(2.7)	P2093	ø35~ø304

四爪高速中空油壓夾頭



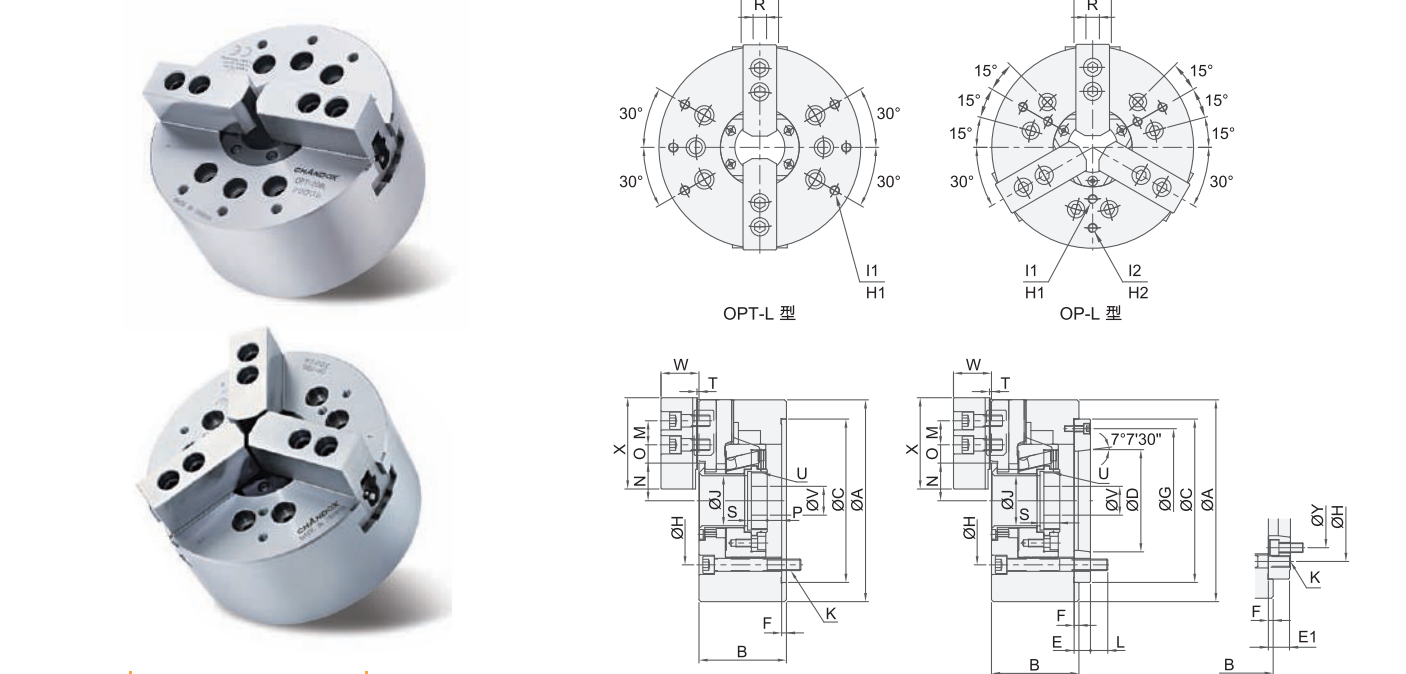
規格表 SPECIFICATIONS 單位: UNIT:mm

型式/規格 MODEL / SPEC.	主軸鼻端番號 Nose Of Spindle	A	B	C (h6)	D	E	E1	F	G	H	H1	I1	H2	I2
OPF-206	A ₂ -5	169	81	140	82.563	15	--	5	116	104.8	PCDø145	4-M10x1.5P	--	--
OPF-208	A ₂ -6(A ₂ -5)	210	91	170	106.375	17	23	5	150	133.4	PCDø180	4-M10x1.5P	--	--
OPF-210	A ₂ -8(A ₂ -6)	254	100	220	139.719	18	28	5	190	171.4	PCDø225	4-M12x1.75P	--	--
OPF-212	A ₂ -8	304	110	220	139.719	18	--	6	190	171.4	PCDø250	4-M12x1.75P	--	--
OPF-215	A ₂ -11(A ₂ -8)	381	133	300	196.869	22	33	6	260	235	PCDø324	4-M12x1.75P	--	--
OPF-218	A ₂ -11(A ₂ -8)	450	133	300	196.869	22	33	6	260	235	PCDø300	4-M12x1.75P	PCDø380	4-M12x1.75P

型式/規格 MODEL / SPEC.	J	K	L	M	N max.	N min.	O max.	O min.	P max.	P min.	Q	R	S	T	U	V	W	X	Y
OPF-206	45	4-M10x1.5P	16	20	32.35	29.6	24	7	11	-1	31	12	19	2	M55x2P	20	37.5	73	--
OPF-208	52	4-M12x1.75P	18	25	39.1	35.4	30	10	14.5	-1.5	35	14	20.5	2	M60x2P	30	39.5	95	104.8
OPF-210	75	4-M16x2P	23	30	51.5	47.1	34	12	8.5	-10.5	40	16	25	2	M85x2P	40	43	110	133.4
OPF-212	91	4-M16x2P	25	30	61.6	56.3	46	12	8	-15	50	21	28	2	M100x2P	50	51	129	--
OPF-215	117.5	4-M20x2.5P	28	43	82.3	77	46	13	7	-16	62	22	42.5	5	M130x2P	48	66.5	165	171.4
OPF-218	120	4-M20x2.5P	28	43	83.8	78.5	78	16.5	7	-16	62	22	42.5	5	M130x2P	48	66.5	165	171.4

型式/規格 MODEL / SPEC.	通孔直徑 Thru-Hole [Diameter] (mm)	柱塞行程 Plunger Stroke (mm)	爪行程 〔直徑〕 Jaw Stroke [Diameter] (mm)	最高回轉速 Max.Speed r.p.m.(min ⁻¹)	最大拉力 Max. Pull Force		最大靜夾持力 Max. Gripping Force		最大設定 油壓壓力 Max. Hydr. Pressure		淨重 Weight (kg)	搭配 油壓缸型號 Matching Cylinder	夾持範圍 Gripping Range
					kgf	(KN)	kgf	(KN)	kgf/cm ²	(Mpa)			
OPF-206	45	12	5.5	4500	1630	(16)	4180	(41)	21	(2.1)	14.2	P1246	ø22~ø169
OPF-208	52	16	7.4	3600	2440	(24)	6010	(59)	19	(1.9)	24.5	P1552	ø25~ø210
OPF-210	75	19	8.8	3200	3160	(31)	8050	(79)	20	(2.0)	38.1	P1875	ø28~ø254
OPF-212	91	23	10.6	2500	4080	(40)	10400	(102)	20	(2.0)	60.5	P2091	ø35~ø304
OPF-215	117.5	23	10.6	1800	5400	(53)	13600	(134)	19	(1.9)	111.5	P2511	ø63~ø381
OPF-218	120	23	10.6	1500	5400	(53)	13600	(134)	19	(1.9)	164.5	P2511	ø80~ø450

中空長行程油壓夾頭



規格表 SPECIFICATIONS 單位: UNIT:mm

型式/規格 MODEL / SPEC.	主軸鼻端番號 Nose Of Spindle	A	B	C (h6)	D	E	E1	F	G	H	H1	I1
OP-206L	A ₂ -5	173	87	140	82.563	15	--	5	116	104.8	PCDø90	3-M8x1.25P
OP-208L	A ₂ -6(A ₂ -5)	215	103	170	106.375	17	23	5	150	133.4	PCDø120	3-M8x1.25P
OP-210L	A ₂ -8(A ₂ -6)	256	112	220	139.719	18	28	5	190	171.4	PCDø160	3-M12x1.75P
OPT-206L	A ₂ -5	173	87	140	82.563	15	--	5	116	104.8	PCDø145	6-M10x1.5P
OPT-208L	A ₂ -6(A ₂ -5)	215	103	170	106.375	17	23	5	150	133.4	PCDø180	6-M10x1.5P
OPT-210L	A ₂ -8(A ₂ -6)	256	112	220	139.719	18	28	5	190	171.4	PCDø225	6-M12x1.75P

型式/規格 MODEL / SPEC.	H2	I2	J	K	L	M	N max.	N min.	O max.	O min.
OP-206L	PCDø140	3-M8x1.25P	45	6-M10x1.5P	15	20	39.07	33.46	21.05	10.55
OP-208L	PCDø170	3-M8x1.25P	52	6-M12x1.75P	21	25	47.85	39.66	25.05	13.05
OP-210L	PCDø220	3-M12x1.75P	75	6-M16x2P	22	30	61.34	52.06	29.05	12.55
OPT-206L	--	--	45	6-M10x1.5P	15	20	39.07	33.46	21.05	10.55
OPT-208L	--	--	52	6-M12x1.75P	21	25	47.85	39.66	25.05	13.05
OPT-210L	--	--	75	6-M16x2P	22	30	61.34	52.06	29.05	12.55

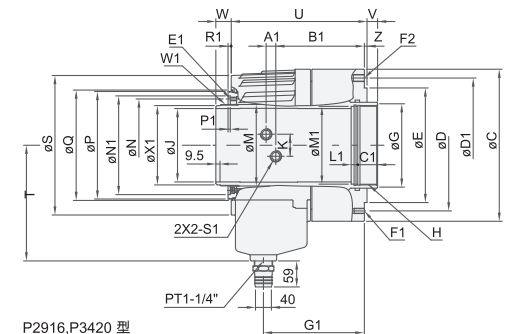
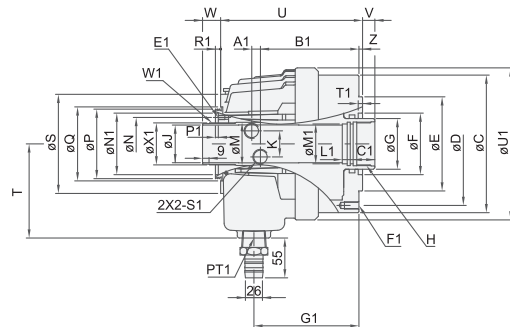
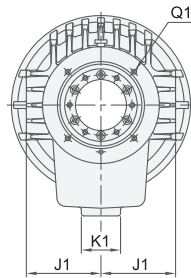
型式/規格 MODEL / SPEC.	P max.	P min.	Q	R	S	T	U	V	W	X	Y	通孔直徑 Thru-Hole [Diameter] (mm)	柱塞行程 Plunger Stroke (mm)
OP-206L	11	-4	31	12	19	2	M55x2P	20	37.5	73	--	45	15
OP-208L	14.5	-7.5	35	14	20.5	2	M60x2P	30	39.5	95	104.8	52	22
OP-210L	8.5	-16.5	40	16	25	2	M85x2P	40	43	110	133.4	75	25
OPT-206L	11	-4	31	12	19	2	M55x2P	20	37.5	73	--	45	15
OPT-208L	14.5	-7.5	35	14	20.5	2	M60x2P	30	39.5	95	104.8	52	22
OPT-210L	8.5	-16.5	40	16	25	2	M85x2P	40	43	110	133.4	75	25

型式/規格 MODEL / SPEC.	爪行程 〔直徑〕 Jaw Stroke [Diameter] (mm)	最高迴轉速 Max.Speed r.p.m.(min ⁻¹)	最大拉力 Max. Pull Force		最大靜夾持力 Max. Gripping Force		最大設定 油壓壓力 Max. Hydr. Pressure		淨重 Weight (kg)	搭配 油壓缸型號 Matching Cylinder	夾持範圍 Gripping Range
			kgf	(KN)	kgf	(KN)	kgf/cm ²	(Mpa)			
OP-206L	10.8	4300	2140	(21)	4080	(40)	28	(2.7)	14.9	P1246	ø20~ø173
OP-208L	16	3500	3360	(33)	5910	(58)	26	(2.5)	37	P1552	ø25~ø215
OP-210L	18	3000	4280	(42)	7540	(74)	27	(2.6)	40.6	P1875	ø40~ø256
OPT-206L	10.8	4300	1420	(14)	2650	(26)	18.5	(1.8)	14.5	P1246	ø20~ø173
OPT-208L	16	3500	2240	(22)	3870	(38)	17	(1.7)	26.4	P1552	ø25~ø215
OPT-210L	18	3000	2850	(28)	4990	(49)	18	(1.8)	39.5	P1875	ø40~ø256

高速中空油壓回轉缸



L :加長行程
L: Longer stroke



P2916,P3420 型

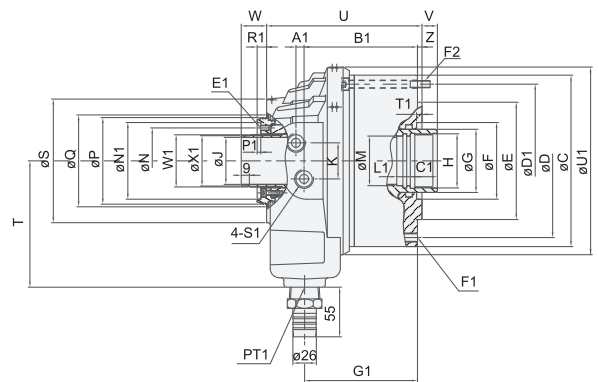
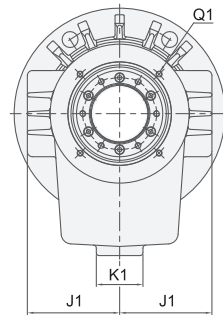
規格表 | SPECIFICATIONS | 單位: UNIT:mm

型式/規格 MODEL / SPEC.	A1	B1	C	C1	D	D1	E (h7)	E1	F	F1	F2	G	G1	H	J	J1	K	K1	L1
P0928	9	109	120	25	100	--	80	8-M5x0.8P	60	6-M8x1.25P	--	45	114	M38x1.5P	28	60	25	46	15
P1036	11	120	136	25	115	--	100	6-M5x0.8P	65	6-M10x1.5P	--	48	126	M42x1.5P	36	66	32	46	15
P1246	12	126.5	155	30	130	--	100	6-M6x1P	80	12-M10x1.5P	--	65	133	M55x2P	46	76	36	46	15
P1552	12	136	190	30	170	--	130	6-M6x1P	85	12-M10x1.5P	--	70	145	M60x2P	52	87.5	36	46	15
P1875	17.5	154.5	215	35	190	--	160	6-M6x1P	125	12-M10x1.5P	--	95	163.5	M85x2P	75	101	36	46	15
P1878	17.5	154.5	215	35	190	--	160	6-M6x1P	125	12-M10x1.5P	--	98.5	163.5	M87x2P	78	101	36	46	15
P2091	21	168	240	35	215	--	180	6-M6x1P	140	12-M12x1.75P	--	110	183	M100x2P	91	110	36	46	15
P2093	21	168	240	35	215	--	180	6-M6x1P	140	12-M12x1.75P	--	115	183	M103x2P	93	110	36	46	15
P2511	21	180	310	45	275	--	230	6-M6x1P	166	12-M16x2P	--	140	190.5	M130x2P	120.1	135	40	46	15
P2916	22	201	345	45	298	305	260	6-M8x1.25P	220	12-M12x1.75P	12-M16x2P	195	229	M180x3P	166.5	180	50	60	15
P3420	22	223	405	45	360	--	320	6-M8x1.25P	260	12-M20x2.5P	--	235	247	M220x3P	205	210	50	60	20
P2916L	22	217	345	45	298	305	260	6-M8x1.25P	220	12-M12x1.75P	12-M16x2P	195	245	M180x3P	166.5	180	50	60	15

型式/規格 MODEL / SPEC.	M	M1	N	N1	P	P1	Q	Q1	R1	S	S1	T	T1	U	U1	V max.	V min.	W max.	W1	W min.	X1
P0928	34.6	34	44	53	59	4	64.8	4-M4x0.7P(PCDø76)	5	95	PT1/4	105	4	159	137	9.05	-0.95	33.95	M34x1.5P	23.95	31.8
P1036	44.6	38	55	64	73	6	80	4-M5x0.8P(PCDø88)	5	105	PT3/8	115	6	179	154	10	-5	39	M44x1.5P	24	42
P1246	52.9	50	64	76	85	4	90	4-M5x0.8P(PCDø98)	6	116	PT1/2	115	6	184	172	10	-5	40	M52x1.5P	25	50
P1552	59.6	55	73	85	96	4	102	4-M6x1P(PCDø110)	7	137	PT1/2	130	6	196	210	17	-5	47	M58x1.5P	25	56
P1875	84.6	80	98	108	121	4	131	4-M6x1P(PCDø155)	7	165	PT1/2	160	4	230	235	20	-5	50	M84x2P	25	81
P1878	84.6	83	98	108	121	4	131	4-M6x1P(PCDø155)	7	165	PT1/2	160	4	230	235	20	-5	50	M84x2P	25	81
P2091	99.6	95	108	120	138	4	147	4-M6x1P(PCDø165)	7	180	PT1/2	185	6	253	260	25	-5	55	M99x2P	25	96
P2093	99.6	100	108	120	138	4	147	4-M6x1P(PCDø165)	7	180	PT1/2	185	6	253	260	25	-5	55	M99x2P	25	96
P2511	134.6	125	148	160	178	4	184	4-M6x1P(PCDø206)	7	233	PT1/2	210	7	270.5	--	24	-6	55	M134x2P	25	131
P2916	185	176.5	210	224	244	5	250	6-M6x1P(PCDø275)	7	310	PT3/4	262.5	6	308	--	24	-6	65	M185x3P	35	180
P3420	225	210	250	264	284	5	290	6-M6x1P(PCDø315)	7	365	PT3/4	300	6	334	--	36	-6	77	M225x3P	35	220
P2916L	185	176.5	210	224	244	5	250	6-M6x1P(PCDø275)	7	310	PT3/4	262.5	6	324	--	36	-6	77	M185x3P	35	180

型式/规格 MODEL / SPEC.	Z	活塞行程 Piston Stroke (mm)	最高回轉速 Max. Speed r.p.m.(min ⁻¹)	活塞直徑 Piston Dia.(mm)	慣性矩I Moment of Inertia (kg·m ²)	流量 Oil Leakage Rate (L/min)	最高 使用壓力 Max. Pressure kgf/cm ² (Mpa)	活塞面積 Piston Area(cm ²)		最大推〔拉〕力 Max. Operating Force				淨重 Weight (kg)
								推力側 Push Side	拉力側 Pull Side	推 力 側		拉 力 側		
										kgf	(KN)	kgf	(KN)	
P0928	5	10	8000	90	0.008	3.0	40 (3.9)	54	47.5	2000 (19.6)	1750 (17.2)		6.5	
P1036	5	15	8000	105	0.012	3.0	40 (3.9)	70	68	2500 (24.5)	2400 (23.5)		9.0	
P1246	5	15	7000	125	0.019	3.0	40 (3.9)	100	89	3700 (36.2)	3200 (31.3)		11.9	
P1552	5	22	6200	155	0.053	3.9	40 (3.9)	160	150	5900 (57.8)	5500 (53.9)		17.3	
P1875	5	25	4700	180	0.096	4.2	40 (3.9)	198	183	6900 (67.6)	6400 (62.7)		26.1	
P1878	5	25	4700	180	0.096	4.2	40 (3.9)	198	178	6900 (67.6)	6200 (60.8)		25.5	
P2091	5	30	3800	205	0.16	4.5	40 (3.9)	252	235	8200 (80.4)	7700 (75.5)		33.3	
P2093	5	30	3800	205	0.16	4.5	40 (3.9)	252	226	8200 (80.4)	7400 (72.5)		32.9	
P2511	6	30	2800	250	0.5	7.0	40 (3.9)	348	336	11800 (115.7)	11400 (111.8)		56.1	
P2916	6	30	2000	290	1.6	11	38 (3.7)	391	361	11700 (114.7)	10500 (103)		96.1	
P3420	6	42	1600	340	3.2	14	35 (3.4)	510	474	14300 (140.2)	13300 (130.4)		138.5	
P2916L	6	42	2000	290	1.6	11	38 (3.7)	391	361	11700 (114.7)	10500 (103)		100.4	

薄型高速中空油壓回轉缸



規格表 | SPECIFICATIONS | 單位: UNIT:mm

型式/規格 MODEL / SPEC.	A1	B1	C	C1	D	D1	E (h7)	E1	F	F1	F2	G	G1	H	J	J1
F1033S	9	107.1	140	25	125	125	110	6-M6x1P	65	6-M10x1.5P	6-M8x1.25P	45	110.5	M38x1.5P	33	67.5
F1036S	9	107.1	140	25	115	125	100	6-M5x0.8P	65	6-M10x1.5P	6-M8x1.25P	48	110.5	M42x1.5P	36	67.5
F1246S	9	117.7	165	30	130	147	100	6-M6x1P	80	6-M10x1.5P	6-M8x1.25P	65	117	M55x2P	46	80
F1552S	9	125.7	190	30	170	170	130	6-M6x1P	85	12-M10x1.5P	6-M8x1.25P	70	125	M60x2P	52	91
F1875S	11.6	143	215	35	190	196	160	6-M6x1P	125	12-M10x1.5P	6-M10x1.5P	95	143	M85x2P	75	107

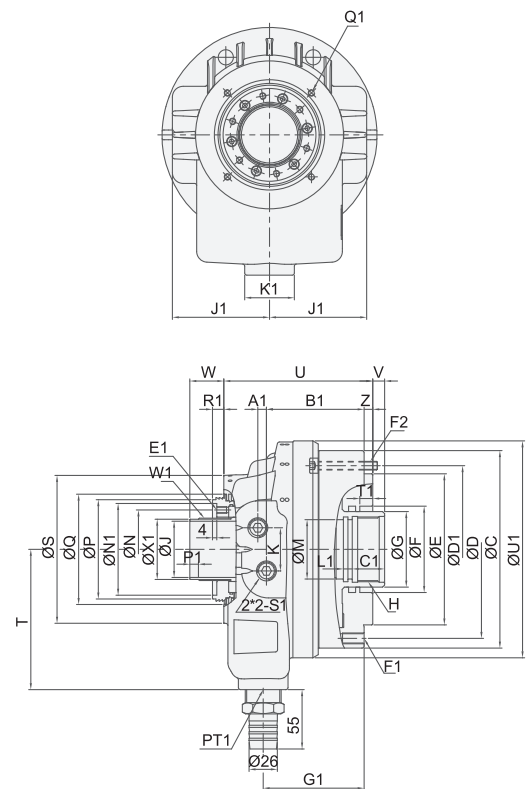
型式/規格 MODEL / SPEC.	K	K1	L1	M	N	N1	P	P1	Q	Q1	R1	S	S1	T	T1	U
F1033S	38	46	15	35	49	62	70	4	74	4-M5x0.8P(PCDø83)	6	103	PT 1/4	115	6	158.1
F1036S	38	46	15	38	55	64	73	4	79	4-M5x0.8P(PCDø88)	10	103	PT 3/8	115	6	158.1
F1246S	40	46	15	50	64	76	85	4	90	4-M5x0.8P(PCDø98)	10.5	121	PT 1/2	125	6	164.2
F1552S	40	46	15	55	73	85	96	4	102	4-M6x1P(PCDø110)	10.5	137	PT 1/2	140	6	172.2
F1875S	40	46	15	80	98	108	120	4	126	4-M6x1P(PCDø155)	10.5	165	PT 1/2	170	4	197.3

型式/規格 MODEL / SPEC.	U1	V max.	V min	W max.	W1	W min	X1	活塞行程 Piston Stroke (mm)	Z	最高迴轉速 Max.Speed r.p.m.(min ⁻¹)	活塞直徑 Piston Dia (mm)	慣性矩I Moment of Inertia (kg·m ²)
F1033S	160	10.05	-4.95	39.8	M39x1.5P	24.8	37	15	5	8000	105	0.012
F1036S	160	10.05	-4.95	43.8	M44x1.5P	28.8	41.8	15	5	8000	105	0.012
F1246S	180	10.05	-4.95	44.25	M52x1.5P	29.25	49.8	15	5	7000	125	0.019
F1552S	205	17.05	-4.95	50.15	M58x1.5P	28.15	55.8	22	5	6200	155	0.053
F1875S	231	20.05	-4.95	53.15	M84x2P	28.15	80.8	25	5	4700	180	0.096

型式/規格 MODEL / SPEC.	流量 Oil Leakage Rate (ℓ/min)	最高使用壓力 Max. Pressure		活塞面積 Piston Area (cm ²)		最大推 (拉) 力 Max. Operating Force				淨重 Weight (kg)
		kgf/cm ²	(Mpa)	推力側 Push Side	拉力側 Pull Side	推力側Push Side		拉力側Pull Side		
						kgf	(KN)	kgf	(KN)	
F1033S	3.0	40	(3.9)	74	70	2600	(25.5)	2500	(24.5)	8.2
F1036S	3.0	40	(3.9)	70	68	2500	(24.5)	2400	(23.5)	8.4
F1246S	3.0	40	(3.9)	100	89	3700	(36.2)	3200	(31.3)	11.5
F1552S	3.9	40	(3.9)	160	150	5900	(57.8)	5500	(53.9)	15.4
F1875S	4.2	40	(3.9)	198	183	7200	(70.5)	6700	(65.6)	22.9

★流量測試標準-壓力: 30kgf/cm²(2.94Mpa) 油溫: 50°C ★ Test standard of oil leakage: Pressure-30 kgf/cm²(2.94Mpa), Oil temperature-50°C

超薄型高速中空油壓回轉缸



規格表 SPECIFICATIONS 單位: UNIT:mm

型式/規格 MODEL / SPEC.	A1	B1	C	C1	D	D1	E (h7)	E1	F	F1	F2	G	G1	H	J
PA1246	8	80.5	165	25	147	147	130	6-M6x1P	75	12-M10x1.5P	6-M8x1.25P	65	86	M55x2P	46
PA1452	8	90	183	30	165	165	140	6-M6x1P	80	6-M10x1.5P	6-M8x1.25P	70	93.5	M60x2P	52
PA1775	10.5	109.9	215	35	195	195	160	6-M6x1P	105	12-M10x1.5P	6-M10x1.5P	95	111	M85x2P	75

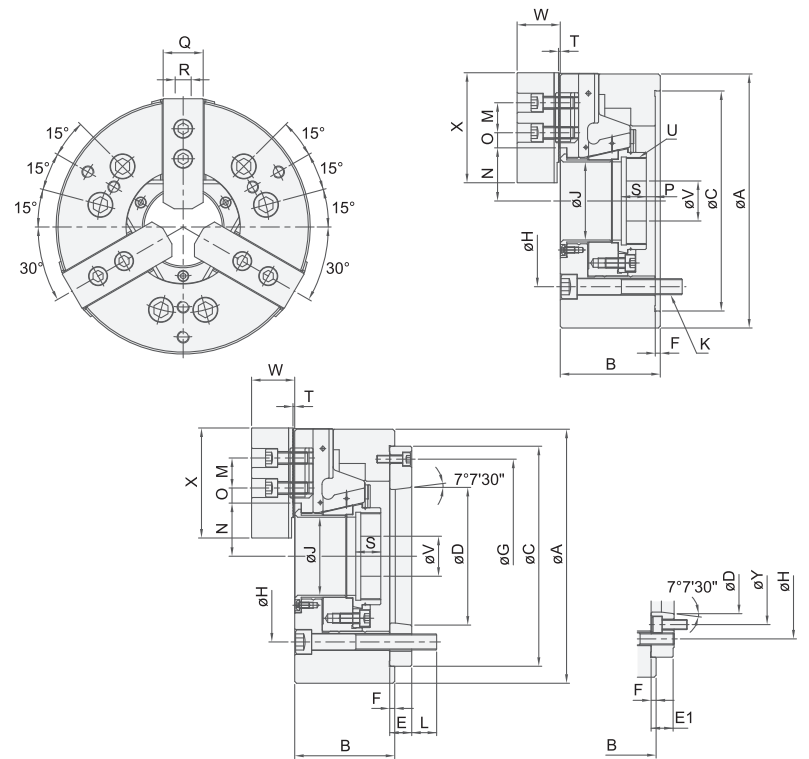
型式/規格 MODEL / SPEC.	J1	K	K1	L1	M	N	N1	P	P1	Q	Q1	R1	S	S1	T	T1
PA1246	80	40	46	15	50	64	76	85	9	90	4-M5x0.8P(PCDø98)	10.5	121	PT 3/8	120	12
PA1452	90	40	46	15	55	73	85	96	8	102	4-M6x1P(PCDø110)	10.5	137	PT 3/8	130	12
PA1775	106	46	46	15	80	98	108	120	9	126	4-M6x1P(PCDø155)	10.5	165	PT 1/2	160	12

型式/規格 MODEL / SPEC.	U	U1	V max.	V min	W max.	W1	W min	X1	Z	活塞行程 Piston Stroke (mm)	最高迴轉速 Max.Speed r.p.m.(min ⁻¹)	活塞直徑 Piston Dia (mm)
PA1246	120	183	5	-11	45	M52x1.5P	29	49.8	8	16	8000	128
PA1452	138	201	11	-11	53.5	M58x1.5P	31.5	55.8	8	22	6500	145
PA1775	165	233	14	-11	57	M84x2P	32	80.8	8	25	5500	170

型式/規格 MODEL / SPEC.	慣性矩I Moment of Inertia (kg·m ²)	流量 Oil Leakage Rate (l/min)	最高使用壓力 Max. Pressure		活塞面積 Piston Area (cm ²)		最大推 (拉) 力 Max. Operating Force			
			kgf/cm ²	(Mpa)	推力側 Push Side	拉力側 Pull Side	推力側Push Side kgf	(KN)	拉力側Pull Side kgf	(KN)
PA1246	0.02	3.0	46	(4.5)	103.5	92	4250	(41.6)	3800	(37.5)
PA1452	0.035	3.9	46	(4.5)	134	123	5500	(53.9)	5100	(50)
PA1775	0.065	4.2	46	(4.5)	165	151	6800	(66.7)	6300	(61.8)

★流量測試標準-壓力: 30kgf/cm²(2.94Mpa) 油溫: 50°C ★ Test standard of oil leakage: Pressure-30 kgf/cm²(2.94Mpa), Oil temperature-50°C

大孔徑三爪高速中空油壓夾頭



規格表 SPECIFICATIONS 單位: UNIT:mm

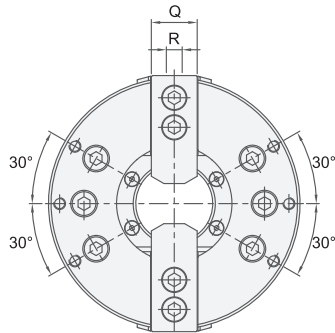
型式/規格 MODEL / SPEC.	主軸鼻端番號 Nose Of Spindle	A	B	C (h6)	D	E	E1	F	G	H	J	K
OPB-206	A ₂ -5	170	81	140	82.563	--	20	5	--	PCDø122	52	6-M10x1.5P
OPB-208	A ₂ -6	215	91	170	106.375	--	22	5	--	PCDø150	66	6-M12x1.75P
OPB-210	A ₂ -8	256	100	220	139.719	--	28	5	--	PCDø180	81	6-M16x2P
OPB-212	A ₂ -11(A ₂ -8)	315	108	300	196.869	22	33	5	260	PCDø235	106	6-M20x2.5P
OPB-215	A ₂ -15(A ₂ -11)	405	133	380	285.775	27	41	6	330.2	PCDø330.2	142	6-M24x3P
OPB-218	A ₂ -15(A ₂ -11)	455	134	380	285.775	27	41	6	330.2	PCDø330.2	166.5	6-M24x3P

型式/規格 MODEL / SPEC.	L	M	N max.	N min.	O max.	O min.	P max.	P min.	Q	R	S	T	U
OPB-206	--	20	36.35	33.6	21.1	9.1	7	-5	31	12	23	2	M60x2P
OPB-208	--	25	46.6	42.9	26.6	11.6	10	-6	35	14	25	2	M75x2P
OPB-210	--	30	54.6	50.1	33.1	13.6	8.5	-10.5	40	16	25	2	M90x2P
OPB-212	27	30	69.7	64.3	45.6	12.6	8	-15	50	21	28	2	M115x2P
OPB-215	32	43	95.1	89.5	43.55	16.55	8	-15	62	22	42.5	5	M155x2P
OPB-218	32	43	108.29	102.45	55.55	16.55	11.5	-13	62	22	38	5	M180x3P

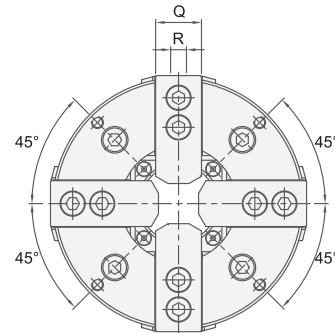
型式/規格 MODEL / SPEC.	V	W	X	Y	通孔直徑 Thru-Hole [Diameter] (mm)	柱塞行程 Plunger Stroke (mm)	爪行程 (直徑) Jaw Stroke [Diameter] (mm)	最高迴轉速 Max.Speed r.p.m.(min ⁻¹)
OPB-206	20	37.5	73	104.8	52	12	5.5	6000
OPB-208	30	39.5	80	133.4	66	16	7.4	5000
OPB-210	40	43	110	171.4	81	19	8.8	4200
OPB-212	50	51	129	171.4	106	23	10.6	3400
OPB-215	80	66	165	235	142	23	10.6	2500
OPB-218	80	66	165	235	166.5	24.5	11.3	2000

型式/規格 MODEL / SPEC.	最大拉力 Max. Pull Force		最大靜夾持力 Max. Gripping Force		最大設定油壓壓力 Max. Hydr. Pressure		淨重 Weight (kg)	搭配 油壓缸型號 Matching Cylinder	夾持範圍 Gripping Range
	kgf	(KN)	kgf	(KN)	kgf/cm ²	(Mpa)			
OPB-206	2200	(21.5)	5900	(58)	21	(2.0)	12.3	P1452S	ø13~ø170
OPB-208	3400	(33)	8800	(86)	26	(2.5)	21.7	P1666S	ø50~ø215
OPB-210	4300	(42)	11100	(109)	29	(2.8)	33.6	P1881S	ø34~ø254
OPB-212	5600	(55)	14580	(143)	29	(2.8)	57.7	P2110S	ø50~ø315
OPB-215	7240	(71)	18250	(179)	26	(2.5)	122.5	P2916	ø60~ø405
OPB-218	7240	(71)	18250	(179)	26	(2.5)	165	P2916	ø80~ø455

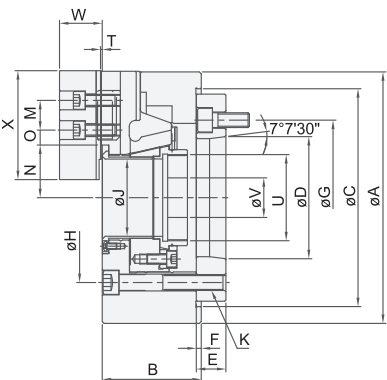
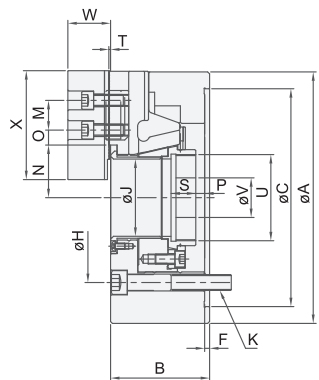
大孔徑二爪、大孔徑四爪高速中空油壓夾頭



OPBT 型



OPBF 型



規格表 SPECIFICATIONS 單位: UNIT:mm

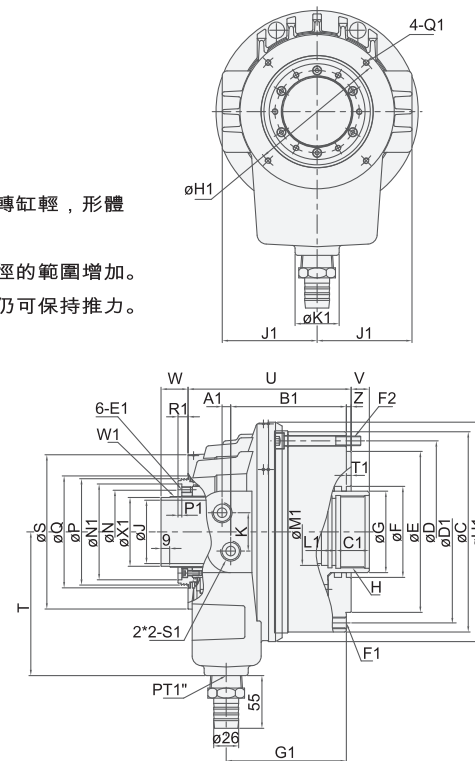
型式/規格 MODEL / SPEC.	主軸鼻端番號 Nose Of Spindle	A	B	C (h6)	D	E	F	G	H	J	
OPBT-206	A ₂ -5	170	81	140	82.563	20	5	PCDø104.8	PCDø122	52	
OPBT-208	A ₂ -6	215	91	170	106.375	22	5	PCDø133.4	PCDø150	66	
OPBT-210	A ₂ -8	256	100	220	139.719	28	5	PCDø171.4	PCDø180	81	
OPBF-206	A ₂ -5	170	81	140	82.563	20	5	PCDø104.8	PCDø122	52	
OPBF-208	A ₂ -6	215	91	170	106.375	22	5	PCDø133.4	PCDø150	66	
OPBF-210	A ₂ -8	256	100	220	139.719	28	5	PCDø171.4	PCDø180	81	
型式/規格 MODEL / SPEC.	K	M	N max.	N min.	O max.	O min.	P max.	P min.	Q	R	S
OPBT-206	6-M10x1.5P	20	36.35	33.6	21.1	9.1	7	-5	31	12	23
OPBT-208	6-M12x1.75P	25	46.6	42.9	26.6	11.6	10	-6	35	14	25
OPBT-210	6-M16x2P	30	54.6	50.1	33.1	13.6	8.5	-10.5	40	16	25
OPBF-206	4-M10x1.5P	20	36.35	33.6	21.1	9.1	7	-5	31	12	23
OPBF-208	4-M12x1.75P	25	46.6	42.9	26.6	11.6	10	-6	35	14	25
型式/規格 MODEL / SPEC.	T	U	V	W	X	通孔直徑 Thru-Hole [Diameter] (mm)		柱塞行程 Plunger Stroke (mm)		爪行程 (直徑) Jaw Stroke [Diameter] (mm)	
OPBT-206	2	M60x2P	20	37.5	73	52		12		5.5	
OPBT-208	2	M75x2P	30	39.5	80	66		16		7.4	
OPBT-210	2	M90x2P	40	43	110	81		19		8.8	
OPBF-206	2	M60x2P	20	37.5	73	52		12		5.5	
OPBF-208	2	M75x2P	30	39.5	80	66		16		7.4	
OPBF-210	2	M90x2P	40	43	110	81		19		8.8	
型式/規格 MODEL / SPEC.	最高迴轉速 Max.Speed r.p.m.(min ⁻¹)	最大拉力 Max. Pull Force		最大靜夾持力 Max. Gripping Force		最大設定油壓壓力 Max. Hydr. Pressure		搭配 油壓缸型號 Matching Cylinder	夾持範圍 Gripping Range		
		kgf	(KN)	kgf	(KN)	kgf/cm ²	(Mpa)				
OPBT-206	6000	1550	(15)	3950	(38.5)	15	(1.4)	P1452S	ø13~ø170		
OPBT-208	5000	2250	(22)	5850	(57)	17	(1.6)	P1666S	ø50~ø215		
OPBT-210	4200	2900	(28)	7400	(72.5)	19.5	(1.9)	P1881S	ø34~ø254		
OPBF-206	4500	1700	(16.5)	4400	(42.5)	16	(1.5)	P1452S	ø22~ø170		
OPBF-208	3600	2500	(24.5)	6450	(63)	19	(1.8)	P1666S	ø50~ø215		
OPBF-210	3200	3200	(31)	8200	(80)	21.5	(2.1)	P1881S	ø32~ø254		

大孔徑薄型中空油壓回轉缸



- 1.薄型、重量輕：**超薄外型構造，重量比傳統迴轉缸輕，形體結構小型化，在高速迴轉時，可減輕機械負擔。
- 2.大的貫通孔徑：**大孔徑設計使加工物之貫通孔徑的範圍增加。
- 3.安全構造：**內藏止回閥設計，於突發之壓降時仍可保持推力。

- 1.Thin & Lightweight:**
Thin outer structure makes the weight lighter than the traditional rotary cylinders; meanwhile, the compactness and miniaturization lower the burden of machines.
- 2.Large Thru-hole Diameter:**
With large open center, gripping range of Bar stock can be increased.
- 3.Built-in Check Valve:**
With built-in " check valve", work pieces can be effectively prevented from flying out during abrupt failure of pressure.



規格表 SPECIFICATIONS 單位: UNIT:mm

型式/規格 MODEL / SPEC.	A1	B1	C	C1	D	D1	E (h7)	E1	F	F1		F2		G	G1	H		
P1452S	9	109.2	180	30	165	165	140	M6x1P	85	6-M10x1.5P		6-M8x1.25P		70	113.9	M60x2P		
P1666S	9	120.7	209	35	190	190	168	M6x1P	95	12-M12x1.75P		6-M10x1.5P		85	125.4	M75x2P		
P1881S	10.7	133.7	222	35	205	205	168	M6x1P	110	12-M12x1.75P		6-M10x1.5P		100	139.2	M90x2P		
P2110S	12	152.2	266	35	240	240	200	M6x1P	135	12-M12x1.75P		6-M12x1.75P		125	158.5	M115x2P		
型式/規格 MODEL / SPEC.	H1	J	J1	K	K1	L1	M1	N	N1	P	P1	Q	Q1	R1	S	S1	T	T1
P1452S	120	52	83	40	46	15	55	73	85	96	4	102	M6x1P	10.5	137	PT 1/2	130	4
P1666S	145	66	99	40	46	15	70	88	100	111	4	117	M6x1P	10.5	161	PT 1/2	150	5
P1881S	166	81	107.5	40	46	15	85	103	113	126	4	132	M6x1P	10.5	176	PT 1/2	175	5
P2110S	201	106	125	40	46	15	110	133	145	160	4	166	M6x1P	10.5	210	PT 1/2	200	5
型式/規格 MODEL / SPEC.	U	U1	V max.	V min	W max.	W1		W min	X1	Z	活塞行程 Piston Stroke (mm)		最高迴轉速 Max.Speed r.p.m.(min ⁻¹)		活塞直徑 Piston Dia (mm)			
P1452S	155.7	201	17	-3	48.2	M58x1.5P		28.2	55.8	5	20		6500		145			
P1666S	170.2	229	19	-3	50.2	M74x1.5P		28.2	71.8	5	22		5600		165			
P1881S	189.2	240	21.1	-3.9	53.2	M89x2P		28.2	85.8	5	25		4800		180			
P2110S	216.7	284	19	-11	58.2	M118x2P		28.2	114.8	5	30		3500		210			
型式/規格 MODEL / SPEC.	慣性矩I Moment of Inertia (kg·m ²)	流量 Oil Leakage Rate (l/min)	最高使用壓力 Max. Pressure		活塞面積 Piston Area (cm ²)				最大推 (拉) 力 Max. Operating Force						淨重 Weight (kg)			
			kgf/cm ²	(Mpa)	推力側 Push Side	拉力側 Pull Side	推力側Push Side		拉力側Pull Side									
							kgf	(KN)	kgf	(KN)								
P1452S	0.035	3.9	40	(3.9)	137	126	4860	(47.6)	4464	(43.7)	12.3							
P1666S	0.07	4	40	(3.9)	170	157	6048	(59.3)	5580	(54.7)	17.4							
P1881S	0.09	4.3	40	(3.9)	191	175	6804	(66.7)	6264	(61.4)	21.9							
P2110S	0.20	6.0	35	(3.4)	232	223.5	6900	(67.6)	6650	(65.2)	35.8							
★流量測試標準: 壓力: 30kgf/cm ² (2.94Mpa) 油溫: 50℃ ★Test standard of oil leakage: Pressure-30 kgf/cm ² (2.94Mpa), Oil temperature-50℃																		

★流量測試標準-壓力: 30kgf/cm²(2.94Mpa) 油溫: 50℃ ★ Test standard of oil leakage: Pressure-30 kgf/cm²(2.94Mpa), Oil temperature-50℃

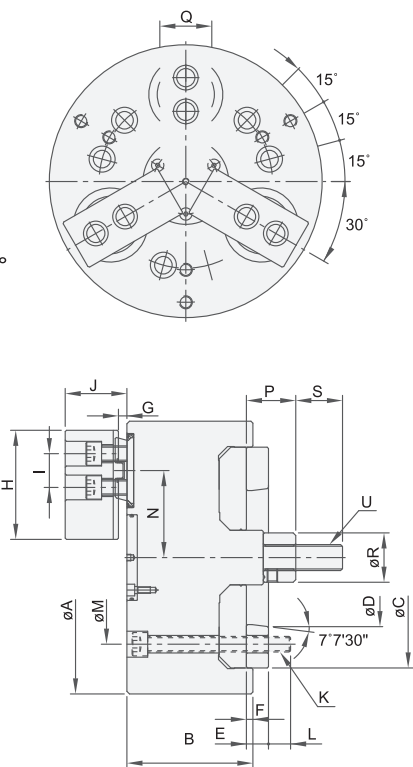
後拉式油壓夾頭



- 後拉式油壓夾頭作徑向夾持同時強力後拉，工件不會上浮，適用於鑄件及鍛件的加工。
- 1.後拉式夾持將工件緊貼在基準面上，使夾持穩固，適於重切削。圓柱滑動結構，可長期使用，並確保重覆夾持的優異精度。
 - 2.準確的自定中心及強力夾持工件不上浮特性，要求長度精準的加工最適宜。
 - 3.可採用到位偵測，配合自動化系統。

Pull back feature of radial gripping will lead to almost no work piece uplifting displacement; CHANDOX Pull Back Power Chucks are ideal for machining casting and forging parts;

- 1.By appressing the gripped work piece to the surface, CHANDOX Pull Back Power Chucks are suitable for heavy machining.
- 2.Chuck Actuators with cylindrical structure are durable and ensures high gripping repeatability.
- 3.Accurate self-centering and pull back features are adequate for precise length control machining requirements.
- 4.Optional components can be selected for detecting the right position on an automated loading machine.



規格表 SPECIFICATIONS 單位: UNIT:mm

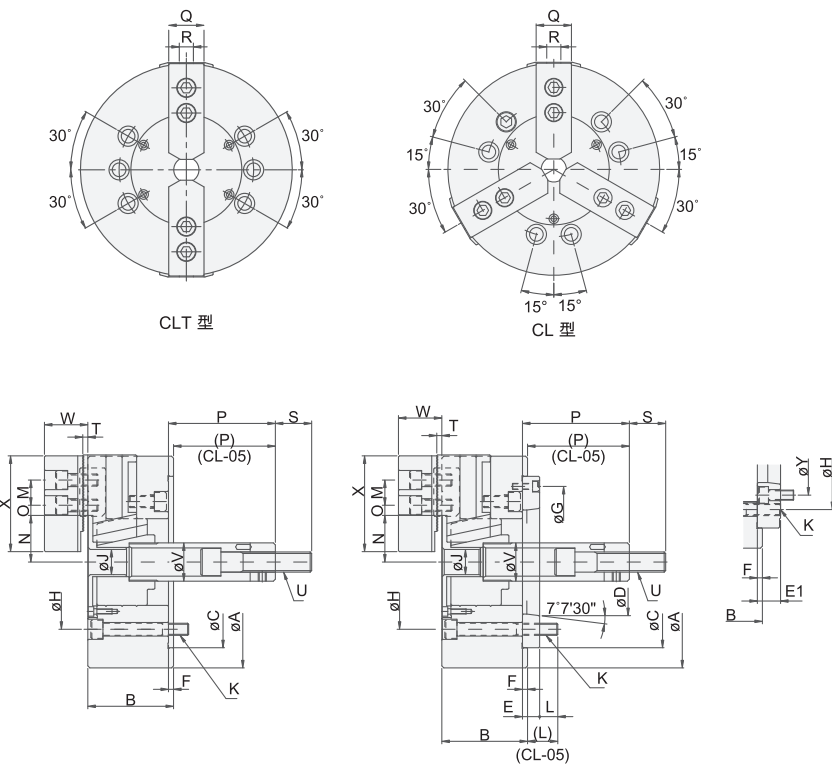
型式/規格 MODEL / SPEC.	A	B	C	D	E	F	G max.	G min.	H	J max.	J min.
PL-06	169	83	140	82.563	15	5	15	5	70	46	36
PL-08	210	97	170	106.375	17	5	16.5	6.5	84	57	47
PL-10	254	110	220	139.719	18	5	22	6	100	68	52
PL-12	304	125	220	139.719	18	5	21.5	5.5	120	72.5	56.5

型式/規格 MODEL / SPEC.	I	K	L	M	N max.	N min.	P max.	P min.	Q	R
PL-06	--	6-M10x1.5P	14	104.8	56.65	54	33	23	35	32
PL-08	26	6-M12x1.75P	17	133.4	69.65	67	38	28	40	38
PL-10	32	6-M16x2P	24	171.4	87.8	82	48	32	50	50
PL-12	36	6-M16x2P	20	171.4	102.8	97	47	31	60	52

型式/規格 MODEL / SPEC.	S	U	柱塞行程 Plunger Stroke (mm)	爪行程直徑 Jaw Stroke (Diameter) mm	最高迴轉速 Max.Speed r.p.m.(min ⁻¹)	最大拉力 Max. Pull Force kgf (KN)
PL-06	36	M16x2P	10	5.3	3500	1420 (14)
PL-08	36	M20x2.5P	10	5.3	3000	2240 (22)
PL-10	46	M24x3P	16	11.6	2500	3160 (31)
PL-12	50	M27x3P	16	11.6	2000	4480 (44)

型式/規格 MODEL / SPEC.	最大靜夾持力 Max. Gripping Force kgf (KN)	最大設定油壓壓力 Max. Hydr. Pressure kgf/cm ² (Mpa)	淨重 Weight (kg)	搭配油壓缸型號 Matching Cylinder	夾持範圍 Gripping Range
PL-06	2950 (29)	22 (2.2)	15.4	L1020	ø35~ø160
PL-08	4890 (48)	22 (2.2)	27.8	L1225	ø40~ø210
PL-10	4990 (49)	30 (2.9)	45.9	L1225	ø50~ø254
PL-12	7240 (71)	30 (2.9)	75.7	L1530	ø50~ø304

中實油壓夾頭



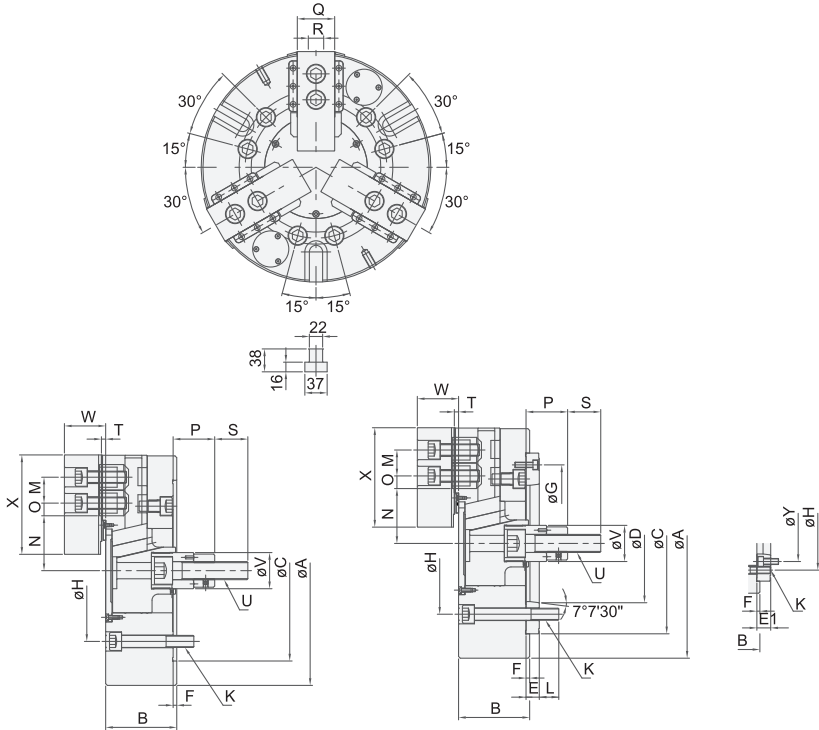
規格表 SPECIFICATIONS 單位: UNIT:mm

型式/規格 MODEL / SPEC.	主軸鼻端番號 Nose Of Spindle	A	B	C (h6)	D	E	E1	F	G	H	J	K	L	M
CL-05	A ₂ -4	135	55	80	63.513	--	--	7	--	100	--	3-M8x1.25P	14	14
CL-06	A ₂ -5	165	74	140	82.563	15	--	5	116	104.8	21	6-M10x1.5P	19	20
CL-08	A ₂ -6(A ₂ -5)	210	85	170	106.375	17	23	5	150	133.4	25	6-M12x1.75P	18	25
CL-10	A ₂ -8(A ₂ -6)	254	89	220	139.719	18	28	5	190	171.4	34	6-M16x2P	25	30
CL-12	A ₂ -8	304	106	220	139.719	18	--	6	190	171.4	34	6-M16x2P	20	30
CLT-06	A ₂ -5	165	74	140	82.563	15	--	5	116	104.8	21	6-M10x1.5P	19	20
CLT-08	A ₂ -6(A ₂ -5)	210	85	170	106.375	17	23	5	150	133.4	25	6-M12x1.75P	18	25
CLT-10	A ₂ -8(A ₂ -6)	254	89	220	139.719	18	28	5	190	171.4	34	6-M16x2P	25	30
CLT-12	A ₂ -8	304	106	220	139.719	18	--	6	190	171.4	34	6-M16x2P	20	30

型式/規格 MODEL / SPEC.	N max.	N min.	O max.	O min.	P max.	P min.	Q	R	S	T	U	V	W	X	Y
CL-05	30.4	27.2	17.1	9.6	9	-6	25	10	35	2	M12x1.75P	28	31	62	--
CL-06	37.8	33.25	15.1	9.1	101.5	81.5	31	12	36	4	M16x2P	34	39	73	--
CL-08	46.3	41.9	22.1	10.1	127	106	35	14	36	5	M20x2.5P	38	42	95	104.8
CL-10	51.4	47	30.6	9.6	158	133	40	16	36	5	M20x2.5P	45	46	110	133.4
CL-12	60.63	55.32	48.55	20.05	163	133	50	18	36	5	M20x2.5P	50	54	129	--
CLT-06	37.8	33.25	15.1	9.1	101.5	81.5	31	12	36	4	M16x2P	34	39	73	--
CLT-08	46.3	41.9	22.1	10.1	127	106	35	14	36	5	M20x2.5P	38	42	95	104.8
CLT-10	51.4	47	30.6	9.6	158	133	40	16	36	5	M20x2.5P	45	46	110	133.4
CLT-12	60.7	55.45	48.6	12.6	163	133	50	18	36	5	M20x2.5P	50	54	129	--

型式/規格 MODEL / SPEC.	柱塞行程 Plunger Stroke (mm)	爪行程 (直徑) Jaw Stroke [Diameter] (mm)	最高迴轉速 Max.Speed r.p.m.(min ⁻¹)	最大拉力 Max. Pull Force kgf (KN)	最大靜夾持力 Max. Gripping Force kgf (KN)	最大設定 油壓壓力 Max. Hydr. Pressure kgf/cm ² (Mpa)	淨重 Weight (kg)	搭配 油壓缸型號 Matching Cylinder	夾持範圍 Gripping Range
CL-05	15	6.4	5500	800 (7.8)	2450 (24)	25 (2.5)	6	L0815	ø8~ø135
CL-06	20	8.5	5000	1730 (17)	5200 (51)	25 (2.5)	11.4	L1020(L1020R)	ø18~ø165
CL-08	21	8.8	4600	2440 (24)	7440 (73)	25 (2.5)	21.9	L1225(L1225R)	ø12~ø210
CL-10	25	8.8	4000	2850 (28)	10810 (106)	29 (2.8)	33.4	L1225(L1225R)	ø16~ø254
CL-12	30	10.5	3200	4080 (40)	15500 (152)	29 (2.8)	58.5	L1530(L1530R)	ø18~ø304
CLT-06	20	8.5	5000	1220 (12)	3460 (34)	17 (1.7)	11.1	L1020(L1020R)	ø9~ø165
CLT-08	21	8.8	4000	1630 (16)	4990 (49)	16 (1.6)	21.3	L1225(L1225R)	ø12~ø210
CLT-10	25	8.8	3500	1930 (19)	7140 (70)	19 (1.9)	32.6	L1225(L1225R)	ø15~ø254
CLT-12	30	10.5	3000	2750 (27)	10300 (101)	20 (2.0)	57.0	L1530(L1530R)	ø20~ø304

三爪中實油壓夾頭



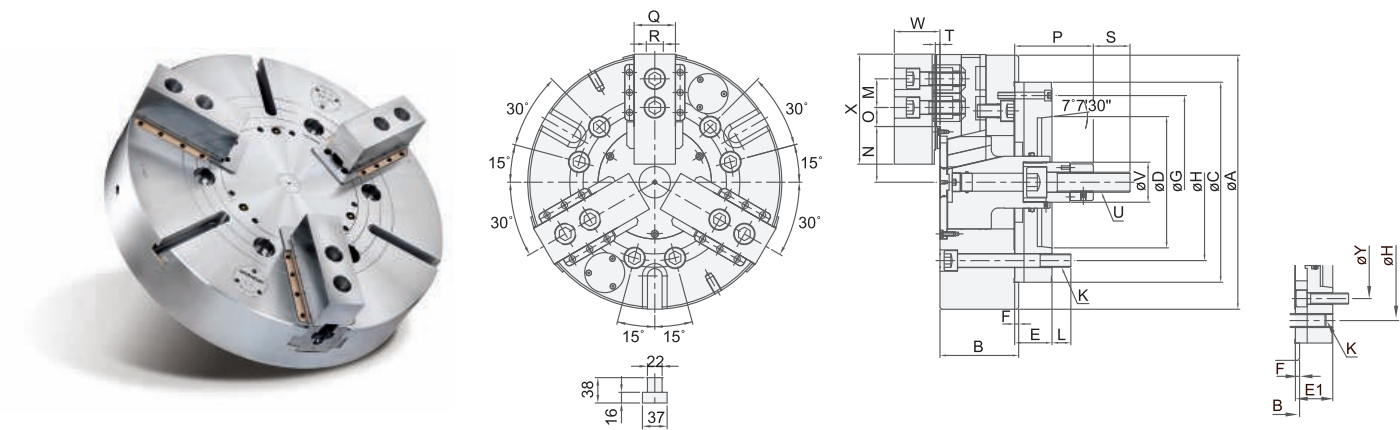
規格表 SPECIFICATIONS 單位:UNIT:mm

型式/規格 MODEL / SPEC.	主軸鼻端番號 Nose Of Spindle	A	B	C (h6)	D	E	E1	F	G	H	K	L	M
CL-12DP	A ₂ -8	304	110	220	139.719	18	--	6	190	171.4	6-M16x2P	20	30
CL-15DP	A ₂ -11	381	118	300	196.869	22	--	6	260	235	6-M20x2.5P	32	43
CL-18DP	A ₂ -11	450	118	300	196.869	22	--	6	260	235	6-M20x2.5P	32	43
CL-21DP	A ₂ -15(A ₂ -11)	530	129	380	285.775	27	41	6	330.2	330.2	6-M24x3P	33	60
CL-24DP	A ₂ -15(A ₂ -11)	610	129	380	285.775	27	41	6	330.2	330.2	6-M24x3P	33	60
CL-32DP	A ₂ -15(A ₂ -11)	800	129	380	285.775	27	41	6	330.2	330.2	6-M24x3P	33	60
CL-40DP	A ₂ -15(A ₂ -11)	1000	129	380	285.775	27	41	6	330.2	330.2	6-M24x3P	33	60

型式/規格 MODEL / SPEC.	N max.	N min.	O max.	O min.	P max.	P min.	Q	R	S	T	U	V	W	X	Y
CL-12DP	60.63	55.32	48.55	20.05	163	133	50	18	36	5	M20x2.5P	50	54	129	
CL-15DP	69.05	60.97	58.05	40.05	104	69	62	25.5	55	7	M30x3.5P	60	68	165	---
CL-18DP	99.46	91.38	58.05	40.05	92	57	62	25.5	55	7	M30x3.5P	60	68	165	--
CL-21DP	80.49	72.41	101.8	41.8	96.95	61.95	65	25	55	7	M30x3.5P	60	75.5	180	235
CL-24DP	119.49	111.41	101.8	41.8	96.95	61.95	65	25	55	7	M30x3.5P	60	75.5	180	235
CL-32DP	119.49	111.39	197.8	41.8	97	61.95	65	25	55	7	M30x3.5P	60	75.5	180	235
CL-40DP	119.49	111.39	299.8	41.8	97	62	65	25	55	7	M30x3.5P	60	75.5	180	235

型式/規格 MODEL / SPEC.	柱塞行程 Plunger Stroke (mm)	〔直徑〕 Jaw Stroke [Diameter] (mm)	最高迴轉速 Max.Speed r.p.m.(min ⁻¹)	最大拉力 Max. Pull Force		最大靜夾持力 Max. Gripping Force		最大設定 油壓壓力 Max. Hydr. Pressure		淨重 Weight (kg)	搭配 油壓缸型號 Matching Cylinder	夾持範圍 Gripping Range
				kgf	(KN)	kgf	(KN)	kgf/cm ²	(Mpa)			
CL-12DP	30	10.5	3200	4080	(40)	15500	(152)	29	(2.8)	64.4	L1530(L1530RE)	ø18~ø304
CL-15DP	35	16	3000	8260	(81)	25290	(248)	32	(3.1)	104.1	L2035(L2035RE)	ø68~ø381
CL-18DP	35	16	2700	8260	(81)	25290	(248)	32	(3.1)	138.5	L2035(L2035RE)	ø100~ø450
CL-21DP	35	16	1900	8650	(85)	27000	(265)	33	(3.2)	204.8	L2035(L2035RE)	ø80~ø530
CL-24DP	35	16	1700	8650	(85)	27000	(265)	33	(3.2)	260	L2035(L2035RE)	ø155~ø610
CL-32DP	35	16	1100	8650	(85)	27000	(265)	33	(3.2)	455.4	L2035(L2035RE)	ø155~ø800
CL-40DP	35	16	800	8650	(85)	27000	(265)	33	(3.2)	--	L2035(L2035RE)	ø155~ø1000

立車用中實油壓夾頭（含連結板）



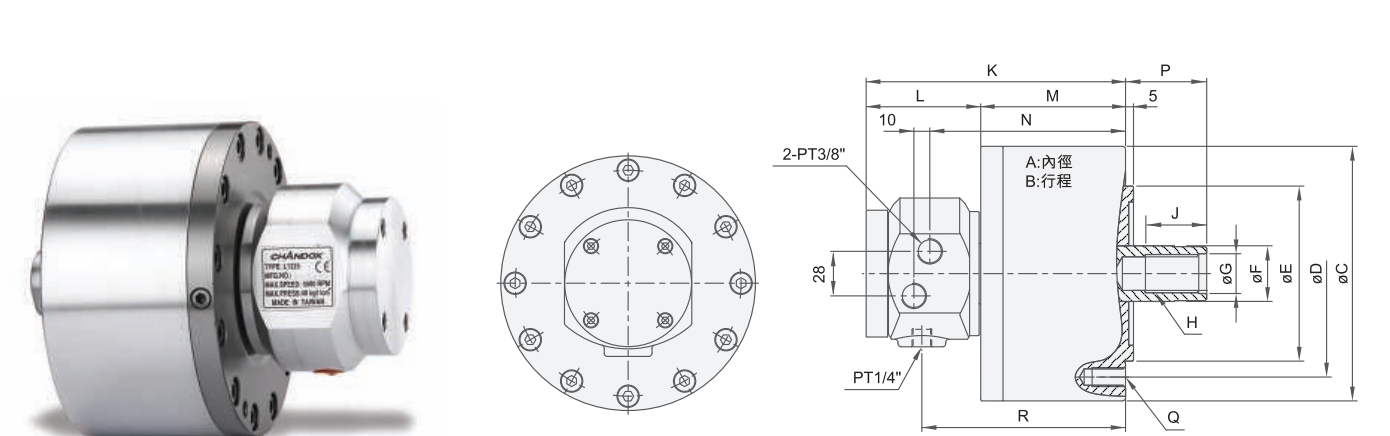
規格表 SPECIFICATIONS 單位:UNIT:mm

型式/規格 MODEL / SPEC.	主軸鼻端番號 Nose Of Spindle	A	B	C (h6)	D	E	E1	F	G	H	K	L	M
VL-12DP	A ₂ -8(A ₂ -6)	304	110	220	139.719	38	38	6	190	171.4	6-M16x2P	20	30
VL-15DP	A ₂ -11(A ₂ -8)	381	118	300	196.869	54	54	6	260	235	6-M20x2.5P	30	43
VL-18DP	A ₂ -11(A ₂ -8)	450	118	300	196.869	48	48	6	260	235	6-M20x2.5P	26	43
VL-21DP	A ₂ -15(A ₂ -11)	530	129	380	285.775	55	50	6	330.2	330.2	6-M24x3P	36	60
VL-24DP	A ₂ -15(A ₂ -11)	610	129	380	285.775	55	50	6	330.2	330.2	6-M24x3P	36	60
VL-32DP	A ₂ -15(A ₂ -11)	800	129	380	285.775	55	50	6	330.2	330.2	6-M24x3P	36	60

型式/規格 MODEL / SPEC.	N max.	N min.	O max.	O min.	P max.	P min.	Q	R	S	T	U	V	W	X	Y
VL-12DP	60.63	55.32	48.55	20.05	183	153	50	18	36	5	M20x2.5P	50	54	129	133.4
VL-15DP	69.05	60.97	58.05	40.05	136	101	62	25.5	55	7	M30x3.5P	60	68	165	171.4
VL-18DP	99.46	91.38	58.05	40.05	130	96	62	25.5	55	7	M30x3.5P	60	68	165	171.4
VL-21DP	80.49	72.41	101.8	41.8	132	97	65	25	55	7	M30x3.5P	60	75.5	180	235
VL-24DP	119.49	111.41	101.8	41.8	132	97	65	25	55	7	M30x3.5P	60	75.5	180	235
VL-32DP	119.49	111.39	197.8	41.8	132	97	65	25	55	7	M30x3.5P	60	75.5	180	235

型式/規格 MODEL / SPEC.	柱塞行程 Plunger Stroke (mm)	爪行程 〔直徑〕 Jaw Stroke [Diameter] (mm)	最高迴轉速 Max.Speed r.p.m.(min ⁻¹)	最大拉力 Max. Pull Force		最大靜夾持力 Max. Gripping Force		最大設定 油壓壓力 Max. Hydr. Pressure		搭配 油壓缸型號 Matching Cylinder	夾持範圍 Gripping Range
				kgf	(KN)	kgf	(KN)	kgf/cm ²	(Mpa)		
VL-12DP	30	10.5	3200	4080	(40)	15500	(152)	29	(2.8)	L1530(L1530RE)	ø18~ø304
VL-15DP	35	16	3000	8260	(81)	25290	(248)	32	(3.1)	L2035(L2035RE)	ø68~ø381
VL-18DP	35	16	2700	8260	(81)	25290	(248)	32	(3.1)	L2035(L2035RE)	ø100~ø450
VL-21DP	35	16	1900	8650	(85)	27000	(265)	33	(3.2)	L2035(L2035RE)	ø80~ø530
VL-24DP	35	16	1700	8650	(85)	27000	(265)	33	(3.2)	L2035(L2035RE)	ø155~ø610
VL-32DP	35	16	1100	8650	(85)	27000	(265)	33	(3.2)	L2035(L2035RE)	ø155~ø800

中實油壓回轉缸



規格表 | SPECIFICATIONS | 單位: UNIT:mm

型式/規格 MODEL / SPEC.	A	B	C	D	E (h7)	F	G (H8)	H	J	K	L
L0815	75	15	115	90	65	30	21	M20x2.5P	35	137	72
L1020	105	20	135	100	80	30	21	M20x2.5P	35	155	72
L1225	125	25	160	130	110	35	25	M24x3P	45	163	72
L1530	150	30	190	130	110	45	31	M30x3.5P	45	173	72
L2035	200	35	245	145	120	55	37	M36x4P	60	191.5	72

型式/規格 MODEL / SPEC.	M	N	P _{max.}	P _{min.}	Q	R	活塞行程 Piston Stroke (mm)	最高迴轉速 Max. Speed r.p.m (min ⁻¹)	慣性矩I Moment of Inertia (kg·m ²)
L0815	65	97	46	31	6-M8x1.25P	102	15	6000	0.006
L1020	83	115	45	25	6-M10x1.5P	120	20	5500	0.013
L1225	91	123	51	26	6-M12x1.75P	128	25	5500	0.023
L1530	101	133	56	26	12-M12x1.75P	138	30	4000	0.048
L2035	119.5	151.5	69	34	12-M16x2P	156.5	35	4000	0.098

型式/規格 MODEL / SPEC.	流量 Oil Leakage Rate (l/min)	最高使用壓力 Max. Pressure		活塞面積 Piston Area (cm ²)		最大推(拉)力 Max. Operating Force				淨重 Weight (kg)
		kgf/cm ²	(Mpa)	推力側 Push Side	拉力側 Pull Side	推力側 Push Side	拉力側 Pull Side	kgf	(KN)	
L0815	0.8	40	(3.9)	44	37	1600	(15.7)	1400	(13.7)	4.2
L1020	0.8	40	(3.9)	86	79	3100	(30.4)	2900	(28.4)	5.9
L1225	0.8	40	(3.9)	122	113	4500	(44.1)	4100	(40.2)	8.1
L1530	0.8	40	(3.9)	176	160	6300	(61.8)	6000	(58.8)	11.9
L2035	0.8	40	(3.9)	314	290	11300	(110.8)	10400	(102.0)	21.4

★流量測試標準-壓力: 30kgf/cm²(2.94Mpa) 油溫: 50°C ★ Test standard of oil leakage: Pressure-30 kgf/cm²(2.94Mpa), Oil temperature-50°C

中實油壓回轉缸（附止逆裝置）



- 1.超薄迴轉閥體
縮短外型長度，可以減少機械組裝的干涉及重量負擔。
- 2.安全構造
內藏止回閥設計，於突發之壓降時仍可保持推力。

- 1.Super thin structure:
Super thin outer structure reduces the interference with machines and lowers the burden of machines.
- 2.Built-in Check Valve:
With built-in "check valve", work pieces can be effectively prevented from flying out during abrupt failure of pressure.

規格表 | SPECIFICATIONS | 單位: UNIT:mm

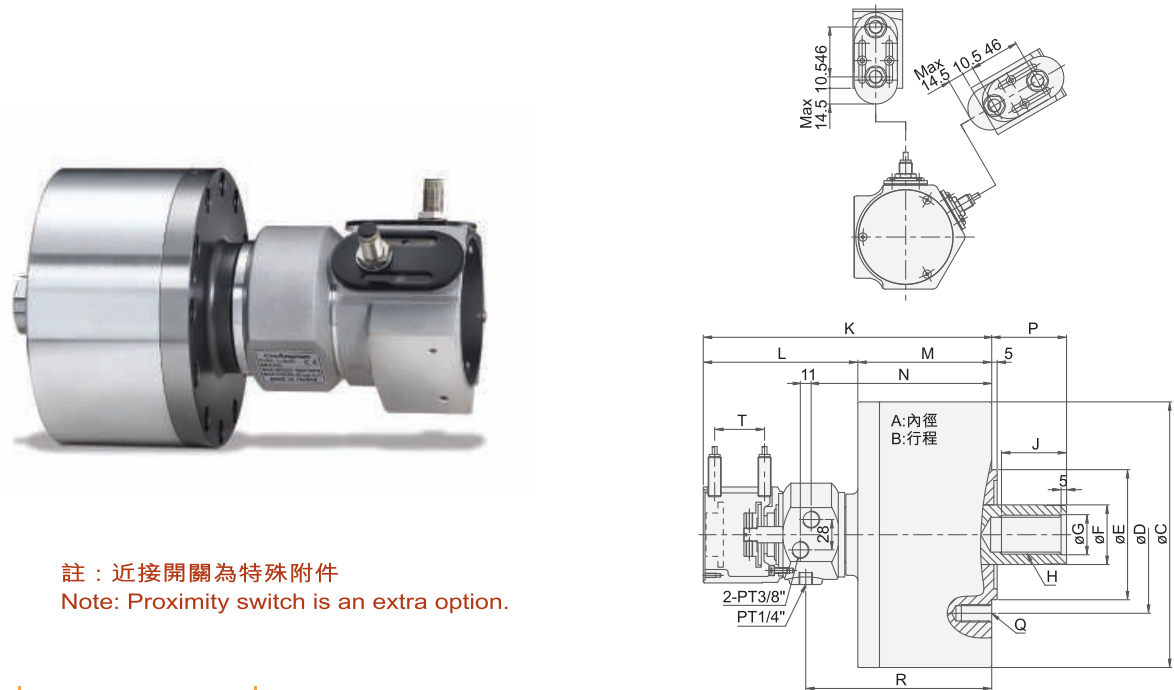
型式/規格 MODEL / SPEC.	A	B	C	D	E (h7)	F	G (H8)	H	J	K	L
L1020R	105	20	135	100	80	30	21	M20x2.5P	35	172	86
L1225R	125	25	160	130	110	35	25	M24x3P	45	180	86
L1530R	150	30	190	130	110	45	31	M30x3.5P	45	189	84
L2035R	200	35	245	145	120	55	37	M36x4P	60	206.5	83

型式/規格 MODEL / SPEC.	M	N	P _{max.}	P _{min.}	Q	R	活塞行程 Piston Stroke (mm)	最高迴轉速 Max. Speed r.p.m (min ⁻¹)	慣性矩I Moment of Inertia (kg·m ²)
L1020R	86	132	45	25	6-M10x1.5P	137	20	6000	0.013
L1225R	94	140	51	26	6-M12x1.75P	145	25	6000	0.023
L1530R	105	149	56	26	12-M12x1.75P	154	30	5500	0.048
L2035R	123.5	166.5	69	34	12-M16x2P	171.5	35	5500	0.098

型式/規格 MODEL / SPEC.	流量 Oil Leakage Rate (l/min)	最高使用壓力 Max. Pressure		活塞面積 Piston Area (cm ²)		最大推(拉)力 Max. Operating Force				淨重 Weight (kg)
		kgf / cm ²	(Mpa)	推力側 Push Side	拉力側 Pull Side	推力側 Push Side	拉力側 Pull Side	kgf	(KN)	
L1020R	0.8	40	(3.9)	86	79	3100	(30.4)	2900	(28.4)	6.6
L1225R	0.8	40	(3.9)	122	113	4500	(44.1)	4100	(40.2)	8.8
L1530R	0.8	40	(3.9)	176	160	6300	(61.8)	6000	(58.8)	12.8
L2035R	0.8	40	(3.9)	314	290	11300	(110.8)	10400	(102.0)	22.5

★流量測試標準-壓力: 30kgf/cm²(2.94Mpa) 油溫: 50°C ★ Test standard of oil leakage: Pressure-30 kgf/cm²(2.94Mpa), Oil temperature-50°C

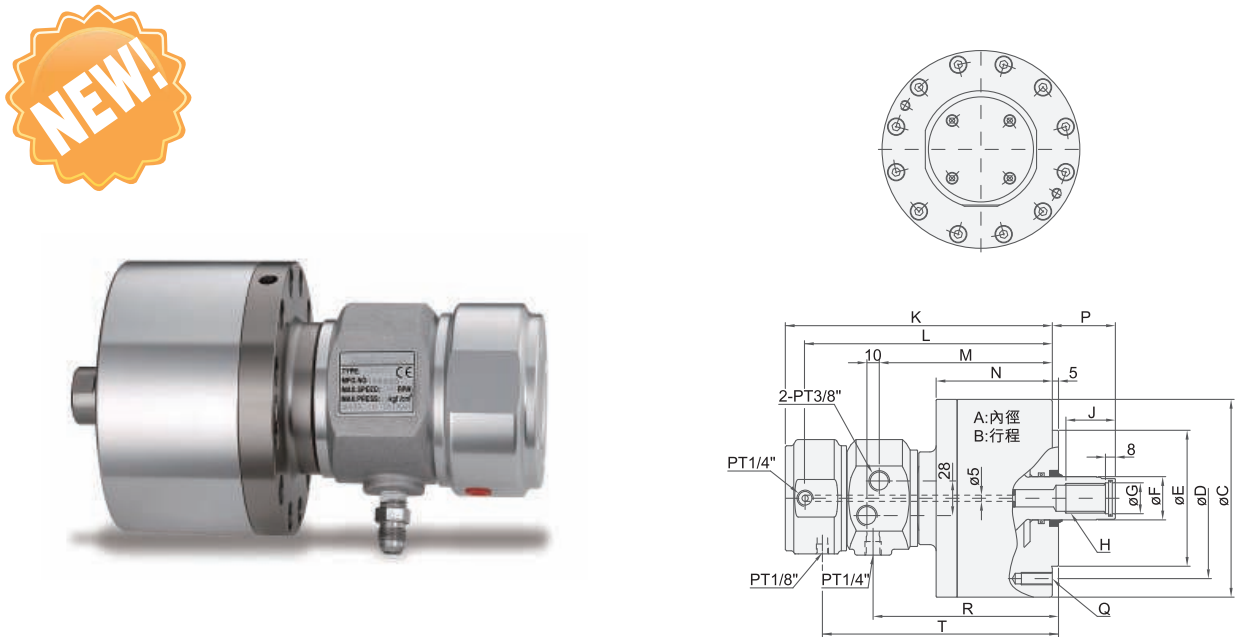
中實油壓回轉缸（附止逆及檢知裝置）



規格表 SPECIFICATIONS 單位: UNIT:mm									
型式/規格 MODEL / SPEC.	A	B	C	D	E (h7)	F	G (H8)	H	
L1020RE	105	20	135	100	80	30	21	M20x2.5P	
L1225RE	125	25	160	130	110	35	25	M24x3P	
L1530RE	150	30	190	130	110	45	31	M30x3.5P	
L2035RE	200	35	245	145	120	55	37	M36x4P	
型式/規格 MODEL / SPEC.	J	K	L	M	N	P max.	P min.		
L1020RE	35	231.5	145.5	86	132	45	25		
L1225RE	45	239.5	145.5	94	140	51	26		
L1530RE	45	248.5	143.5	105	149	56	26		
L2035RE	60	266	142.5	123.5	166.5	69	34		
型式/規格 MODEL / SPEC.	Q	R	T	活塞行程 Piston Stroke (mm)	最高迴轉速 Max. Speed r.p.m (min ⁻¹)	慣性矩I Moment of Inertia (kg·m ²)	流量 Oil Leakage Rate (l/min)		
L1020RE	6-M10x1.5P	137	46	20	6000	0.013	0.8		
L1225RE	6-M12x1.75P	145	46	25	6000	0.023	0.8		
L1530RE	12-M12x1.75P	154	46	30	5500	0.048	0.8		
L2035RE	12-M16x2P	171.5	46	35	5500	0.098	0.8		
型式/規格 MODEL / SPEC.	最高使用壓力 Max. Pressure		活塞面積 Piston Area (cm ²)		最大推(拉)力 Max. Operating Force				淨重 Weight (kg)
	kgf/cm ²	(Mpa)	推力側 Push Side	拉力側 Pull Side	推力側 Push Side		拉力側 Pull Side		
					kgf	(KN)	kgf	(KN)	
L1020RE	40	(3.9)	84	79	3000	(29.4)	2900	(28.4)	--
L1225RE	40	(3.9)	120	113	4400	(43.1)	4100	(40.2)	9.7
L1530RE	40	(3.9)	174	160	6200	(60.8)	5700	(55.9)	13.7
L2035RE	40	(3.9)	312	290	11200	(109.8)	10400	(102.0)	23.3

★流量測試標準-壓力: 30kgf/cm²(2.94Mpa) 油溫: 50°C ★ Test standard of oil leakage: Pressure-30 kgf/cm²(2.94Mpa), Oil temperature-50°C

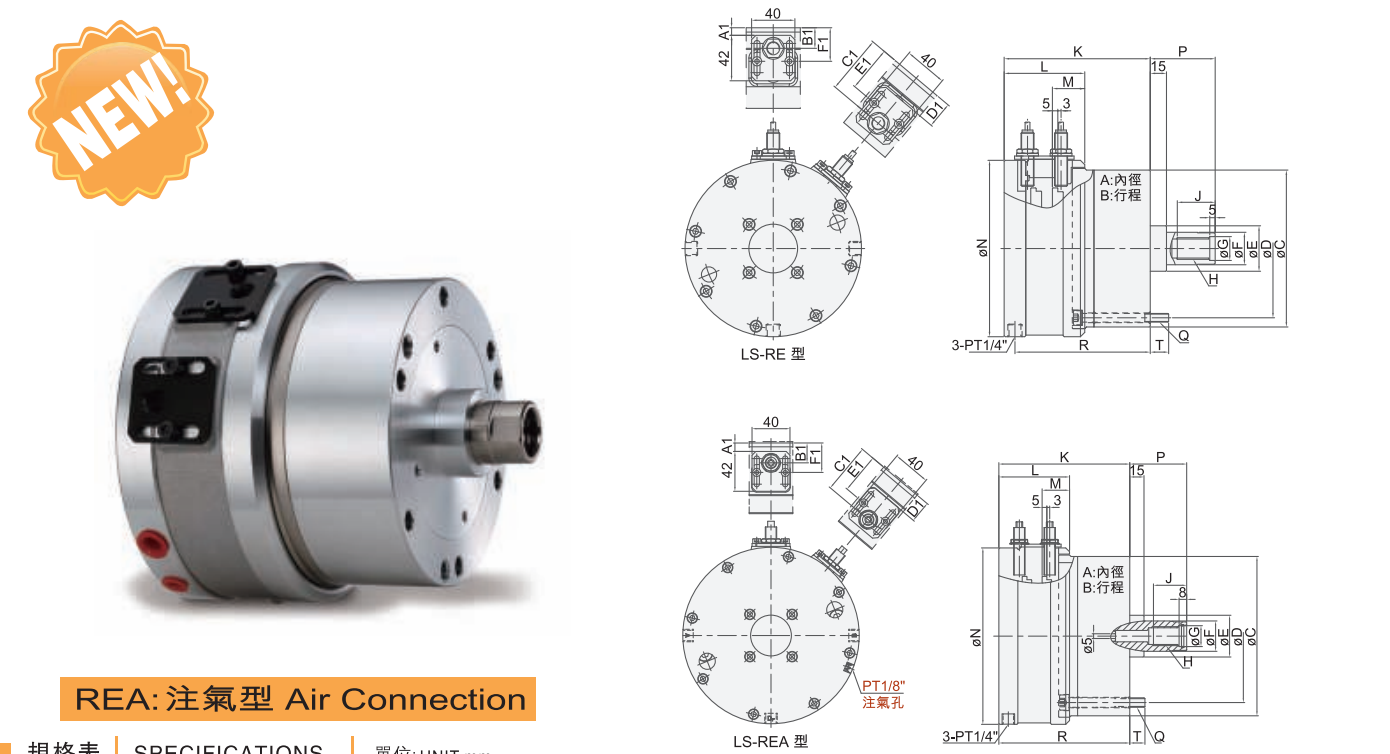
中實油壓回轉缸（注水型含止逆裝置）



規格表 SPECIFICATIONS 單位: UNIT:mm											
型式/規格 MODEL / SPEC.	A	B	C	D	E (h7)	F	G (H8)				
L1020RC	105	20	135	100	80	30	21				
L1225RC	125	25	160	130	110	35	25				
L1530RC	150	30	190	130	110	45	32				
型式/規格 MODEL / SPEC.	H	J	K	L	M	N	P max.	P min.			
L1020RC	M20x2.5P	35	208	193.5	132	86	45	25			
L1225RC	M24x3P	45	216	201.5	140	94	51	26			
L1530RC	M30x3.5P	45	225	210.5	149	105	56	26			
型式/規格 MODEL / SPEC.	Q	R	T	活塞行程 Piston Stroke (mm)	最高迴轉速 Max. Speed r.p.m (min ⁻¹)	慣性矩I Moment of Inertia (kg·m ²)	流量 Oil Leakage Rate (l/min)				
L1020RC	6-M10x1.5P	137	178	20	6000	0.013	1.2				
L1225RC	6-M12x1.75P	145	186	25	6000	0.023	1.2				
L1530RC	12-M12x1.75P	154	195	30	5500	0.048	1.2				
型式/規格 MODEL / SPEC.	最高使用壓力 Max. Pressure		活塞面積 Piston Area (cm ²)		最大推(拉)力 Max. Operating Force				淨重 Weight (kg)	注水孔最高使用壓力 Coolant connection Max. Pressure	
	kgf/cm ²	(Mpa)	推力側 Push Side	拉力側 Pull Side	推力側 Push Side		拉力側 Pull Side			kgf/cm ²	(Mpa)
					kgf	(KN)	kgf	(KN)			
L1020RC	40	(3.9)	85	79	3100	(30.4)	3000	(29.4)	7.3	10	(1.0)
L1225RC	40	(3.9)	121	113	4400	(43.1)	4200	(41.2)	9.8	10	(1.0)
L1530RC	40	(3.9)	175	160	6300	(61.8)	6000	(58.8)	13.7	10	(1.0)

★流量測試標準-壓力: 30kgf/cm²(2.94Mpa) 油溫: 50°C ★ Test standard of oil leakage: Pressure-30 kgf/cm²(2.94Mpa), Oil temperature-50°C

超薄型中實油壓回轉缸（附止逆及檢知裝置）



規格表 | SPECIFICATIONS | 單位: UNIT:mm

型式/規格 MODEL / SPEC.	A	B	C (h7)	D	E	F	E1	F1	G (H8)	H	
LS1120RE	110	20	145	128	42	30	42.5	31	22	M20x2.5P	
LS1221RE	120	21	168	145	44	32	42.5	31	22	M20x2.5P	
LS1330RE	130	30	168	150	51	36	52.5	32.5	26	M24x3P	
LS1120REA	110	20	145	128	42	30	42.5	31	22	M20x2.5P	
LS1221REA	120	21	168	145	44	32	42.5	31	22	M20x2.5P	
LS1330REA	130	30	168	150	51	36	52.5	32.5	26	M24x3P	
型式/規格 MODEL / SPEC.	J	K	A1	B1	C1	D1	L	M max.	M min.	N	
LS1120RE	35	135	7	19	54.5	24.5	74.5	49.9	29.9	163	
LS1221RE	35	138	9	21	53	23	74.5	49.9	28.9	186	
LS1330RE	35	155	10	22	63	32.5	84.5	60	30	186	
LS1120REA	35	135	9.9	21.9	52.9	22.9	74.5	49.9	29.9	163	
LS1221REA	35	138	8.9	20.9	52.9	22.9	74.5	49.9	28.9	186	
LS1330REA	35	155	10	22	63	33	84.5	60	30	186	
型式/規格 MODEL / SPEC.	P max.	P min.	Q	R	T	活塞行程 Piston Stroke (mm)	最高迴轉速 Max. Speed r.p.m (min ⁻¹)	慣性矩I Moment of Inertia (kg m ²)	流量 Oil Leakage Rate (l/min)		
LS1120RE	60	40	6-M8x1.25P	125	17	20	6000	0.02	1.2		
LS1221RE	60	39	6-M10x1.5P	128	16	21	6000	0.03	1.2		
LS1330RE	60	30	6-M10x1.5P	145	19	30	6000	0.03	1.2		
LS1120REA	60	40	6-M8x1.25P	125	17	20	6000	0.02	1.2		
LS1221REA	60	39	6-M10x1.5P	128	16	21	6000	0.03	1.2		
LS1330REA	60	30	6-M10x1.5P	145	19	30	6000	0.03	1.2		
型式/規格 MODEL / SPEC.	最高使用壓力 Max. Pressure		活塞面積 Piston Area (cm ²)		最大推(拉)力 Max. Operating Force				淨重 Weight (kg)	注氣壓力 Air Connection Max. Press	
	kgf/cm ²	(Mpa)	推力側 Push Side	拉力側 Pull Side	推力側 Push Side		拉力側 Pull Side			kgf/cm ²	(Mpa)
kgf					(KN)	kgf	(KN)				
LS1120RE	35	(3.4)	89.6	84.8	2800	(27.5)	2700	(26.5)	8.2	--	--
LS1221RE	40	(3.9)	107.7	102	3900	(38)	3800	(37)	10.8	--	--
LS1330RE	40	(3.9)	127.4	119.4	4600	(45)	4300	(42)	11.4	--	--
LS1120REA	35	(3.4)	88.6	84.8	2800	(27.5)	2700	(26.5)	8.25	10.2	(1.0)
LS1221REA	40	(3.9)	106.7	102	3900	(38)	3800	(37)	10.8	10.2	(1.0)
LS1330REA	40	(3.9)	126.4	119.4	4600	(45)	4300	(42)	11.4	10.2	(1.0)

★流量測試標準-壓力: 30kgf/cm²(2.94Mpa) 油溫: 50℃ ★ Test standard of oil leakage: Pressure-30 kgf/cm²(2.94Mpa), Oil temperature-50℃

筒夾夾頭



規格表 | SPECIFICATIONS | 單位: UNIT:mm

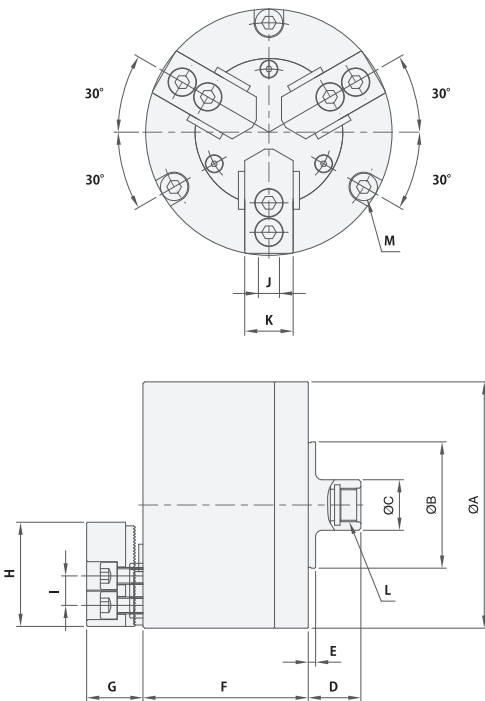
型式/規格 MODEL / SPEC.	A	A1	B	C	D	E	
CK30A4	112	85	107.5	82.6	63.513	M50x1.5P	
CK42A5	135	100	127	104.8	82.563	M66x1.5P	
CK42A6	165	100	127	133.4	106.375	M66x1.5P	
CK52A5	135	110	127	104.8	82.563	M72x1.5P	
CK52A6	165	130	150	133.4	106.375	M90x1.5P	
CK60A6	165	130	150	133.4	106.375	M90x1.5P	
型式/規格 MODEL / SPEC.	F	G	H	J	K max.	K min.	
CK30A4	45	M40x1.5P	25	17	28	23	
CK42A5	60	M55x2P	27	25	34	28	
CK42A6	65.8	M60x2P	32	25	34	28	
CK52A5	67	M60x2P	27	25	34	28	
CK52A6	67	M60x2P	27	30	38	32	
CK60A6	82	M75x2P	27	30	38	32	
型式/規格 MODEL / SPEC.	L	T	套筒行程 Sleeve Stroke (mm)	淨重 Weight (kg)	最高迴轉速 Max. Speed r.p.m (min ⁻¹)	搭配油壓缸型號 Matching Cylinder	
CK30A4	3-M10x1.5P	2.3	5	4.0	7000	P1036	
CK42A5	4-M10x1.5P	3.2	6	6.2	6000	P1246	
CK42A6	4-M12x1.75P	3.2	6	7.6	6000	P1552	
CK52A5	4-M10x1.5P	3.2	6	6.7	6000	P1552	
CK52A6	4-M12x1.75P	3.2	6	12.1	6000	P1552	
CK60A6	4-M12x1.75P	3.2	6	11.1	5000	P1875	
型式/規格 MODEL / SPEC.	搭配筒夾型號 Matching Collet Ref		夾持範圍 GrippingRange			最大推力 Max. Push Force kgf (KN)	最大靜夾持力 Max. GrippingForce kgf (KN)
	Spring Collet	Multibore Collet	圓棒 Round	六角材 Hexagonal	方材 Square		
CK30A4	163E	M-669	ø3~ø30	4~27	5~20	2040(20)	4488(44)
CK42A5	173E	M-673	ø3~ø42	6~36	6~30	2550(25)	5610(55)
CK42A6	173E	M-673	ø3~ø42	6~36	6~30	2550(25)	5610(55)
CK52A5	177E	--	ø5~ø52	8~45	7~36	2850(28)	6620(61)
CK52A6	177E	--	ø5~ø52	8~45	7~36	2850(28)	6620(61)
CK60A6	185E	M-677	ø4~ø60	8~52	7~42	3060(30)	6630(65)



AIR 氣壓夾盤系列
PRESSURE CHUCK SERIES



三爪氣壓夾頭



分度盤使用範例» Operation Example for rotary table



CNC 車床使用範例» Operation Example for CNC Lathe



規格表 | SPECIFICATIONS | 單位: UNIT:mm

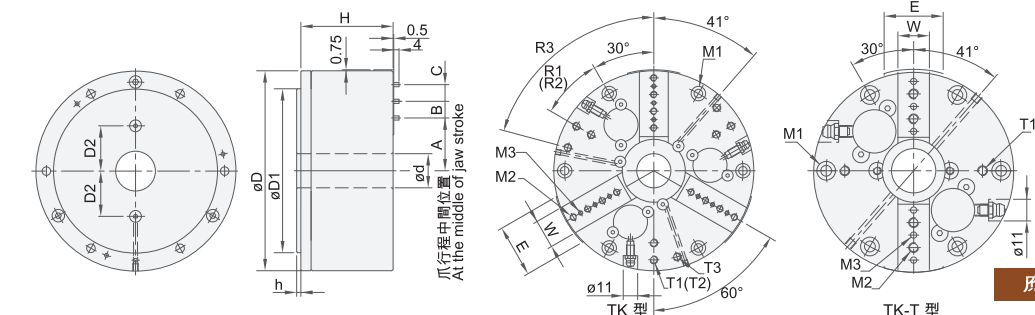
型式/規格 MODEL / SPEC.	A	B	C	D	E	F	G	H	I	J	L	K	M
MR-04	117	60	24	25	3.5	78.5	26.7	49.5	14	10	5/8"-32UNF	23	3-M8x1.25P(PCDø104)

型式/規格 MODEL / SPEC.	活塞面積 Piston Area (cm ²)	柱塞行程 Plunger Stroke (mm)	爪行程直徑 Jaw Stroke (Diameter) mm	空壓夾持力 Gripping Force At Air Pressure 7 kgf/cm ² (0.7Mpa)		最高回轉速 Max.Speed r.p.m (min ⁻¹)	夾持範圍 Gripping Range
				kgf	(KN)		
MR-04	57	9	3.8	1100	(10.8)	3800	ø10~ø117

超精密氣壓夾頭

專利
產品

- 1.預設治具孔及預留自動潤滑管道：爪殼預設治具孔，有額外固定需要時不須再追加加工；且預留自動潤滑管道，可與自動潤滑裝置連結。
- 2.內藏式汽缸：汽缸與夾盤直結設計，確保作動及夾持的穩定性。
- 3.生爪精密定位：設有定位銷使生爪在重複拆裝時仍保持良好的定位精度。
- 4.超高精度夾持提高工作效率：夾持工件的同軸度及重複夾持精度可達 μ 級，簡化操作，實現高效率的精密加工。



本產品精密度可達 μ 級
This product reaches the repeatability of " μ degree"

規格表 | SPECIFICATIONS | 單位:UNIT:mm

型式/規格 MODEL / SPEC.	A	B	C	D	E	D1	d (H7)	D2	H	h	W	M1	
TK-04	20.75	12.7	12.7	101.6	30	82.55	18	25	70.3	3.2	16	6-M5x0.8P(PCDø88.9)	
TK-06	39.75	12.7	12.7	152.4	40	124.97	26	34.5	70.3	3.2	22	6-M6x1P(PCDø135.89)	
TK-08	65.75	25.4	--	203.2	45	167.64	50	50	99.5	7.0	25	6-M10x1.5P(PCDø182.88)	
TK-04T	20.75	12.7	12.7	101.6	30	82.55	18	25	70.3	3.2	16	6-M5x0.8P(PCDø88.9)	
TK-06T	39.75	12.7	12.7	152.4	40	124.97	26	34.5	70.3	3.2	22	6-M6x1P(PCDø135.89)	
TK-08T	65.75	25.4	--	203.2	45	167.64	50	50	99.5	7.0	25	6-M10x1.5P(PCDø182.88)	
型式/規格 MODEL / SPEC.	M2		M3	T1				T2			T3		R1
TK-04	6-M5x0.8P		9-ø3.18	3-M5x0.8P(PCDø88.9)				--			--		30°
TK-06	12-M5x0.8P		9-ø3.18	3-M6x1P(PCDø135.89)				3-M6x1P(PCDø110)			3-M6x1P(PCDø135.89)		30°
TK-08	6-M10x1.5P		6-ø6.36	3-M8x1.25P(PCDø182.88)				3-M8x1.25P(PCDø150)			3-M8x1.25P(PCDø100)		30°
TK-04T	4-M5x0.8P		6-ø3.18	2-M5x0.8P(PCD ø70)				--			--		--
TK-06T	8-M5x0.8P		6-ø3.18	2-M6x1P(PCD ø110)				--			--		--
TK-08T	4-M10x1.5P		4-ø6.36	2-M8x1.25P(PCD ø150)				--			--		--
型式/規格 MODEL / SPEC.	R2	R3	爪行程〔直徑〕 Jaw Stroke [Diameter] (mm)	空壓夾持力 Gripping Force At Air Pressure 7kgf/cm ² (0.7Mpa)		最高回轉速 Max.Speed r.p.m(min ⁻¹)	淨重 Weight (kg)						
				kgf	(KN)								
TK-04	--	--	3	800		4500	4.4						
TK-06	30°	75°	3	1200		4200	9.8						
TK-08	30°	30°	3	1800		2500	26.3						
TK-04T	--	--	3	800		3500	4.2						
TK-06T	--	--	3	1200		3500	9.5						
TK-08T	--	--	3	1800		2000	25.1						



- 1.Pre-machined tapped holes and lubrication path: There are tapped holes for fixing jigs, thus, additional screw machining is not necessary, and pre-machined lubrication path can connect to auto-lubrication unit to lubricate the chuck automatically.
- 2.Built-in Cylinder: Connect cylinder directly to the chuck for stabl gripping.
- 3.Precise soft jaw positioning: It's easy to remount soft jaw to the correct position with dowel pins on it.

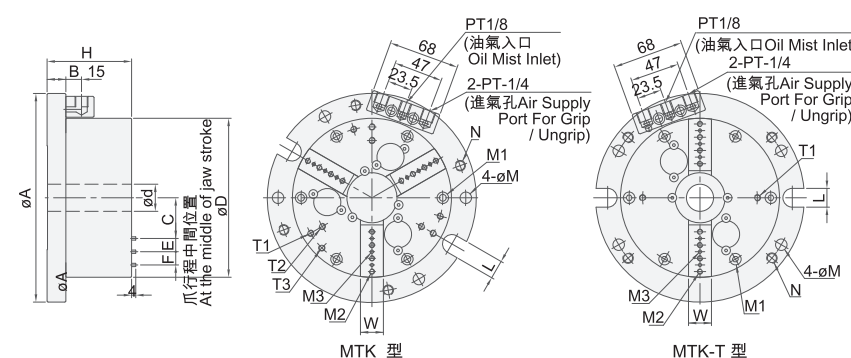
4.High gripping precision brings better quality and efficiency: Good coaxiality and repeatability of gripping are able to achieve the accuracy of " μ degree" machining processes can be simplified or shortened to make high precision machining with high efficiency come true.

應用範例>>Operation Example



內藏式超精密氣壓夾盤

- 1.預設治具孔及預留自動潤滑管道：爪殼預設治具孔，有額外固定需要時不須再追加加工；且預留自動潤滑管道，可與自動潤滑裝置連結。
- 2.內藏式汽缸：汽缸與夾盤直結設計，確保作動及夾持的穩定性。
- 3.生爪精密定位：設有定位銷使生爪在重複拆裝時仍保持良好的定位精度。
- 4.超高精度夾持提高工作效率：夾持工件的同軸度及重複夾持精度可達 μ 級，簡化操作，實現高效率的精密加工。



本產品精密度可達 μ 級
This product reaches the repeatability of " μ degree"

應用範例>>Operation Example

氣壓切換閥連接方式 / 特殊附件
Examples of Attaching Pneumatic Manual Switch / Optional Accessories

規格表 | SPECIFICATIONS | 單位:UNIT:mm

型式/規格 MODEL / SPEC.	A	B	C	D	d (H7)	E	F	H	W	L
MTK-04	148	17	20.75	101.6	18	12.7	12.7	80	16	13
MTK-06	200	18	39.75	152.4	26	12.7	12.7	81	22	18
MTK-04T	148	17	20.75	101.6	18	12.7	12.7	80	16	13
MTK-06T	200	18	39.75	152.4	26	12.7	12.7	81	22	18
型式/規格 MODEL / SPEC.	M		M1		M2	M3	N		T1	
MTK-04	ø9 (PCD ø130)		6-M5x0.8P(PCD ø88.9)		6-M5x0.8P	9-ø3.18	3-M8x1.25P		3-M5x0.8P(PCD ø88.9)	
MTK-06	ø11 (PCD ø180)		6-M6x1P(PCD ø135.89)		12-M5x0.8P	9-ø3.18	4-M10x1.5P		3-M6x1P(PCD ø135.89)	
MTK-04T	ø9 (PCD ø130)		6-M5x0.8P(PCD ø88.9)		4-M5x0.8P	6-ø3.18	3-M8x1.25P		2-M5x0.8P(PCD ø70)	
MTK-06T	ø11 (PCD ø180)		6-M6x1P(PCD ø135.89)		8-M5x0.8P	6-ø3.18	4-M10x1.5P		2-M6x1P(PCD ø110)	
型式/規格 MODEL / SPEC.	T2		T3		爪行程(直徑) Jaw Stroke (Diameter) (mm)	空壓夾持力 Gripping Force At Air Pressure 7 kgf/cm² (0.7Mpa)			淨重 Weight (kg)	
						kgf		(KN)		
MTK-04	--		--		3	800		(7.8)	6.2	
MTK-06	3-M6x1P(PCD ø110)		3-M6x1P(PCD ø135.89)		3	1200		(11.7)	13	
MTK-04T	--		--		3	800		(7.8)	6	
MTK-06T	--		--		3	1200		(11.7)	12.6	

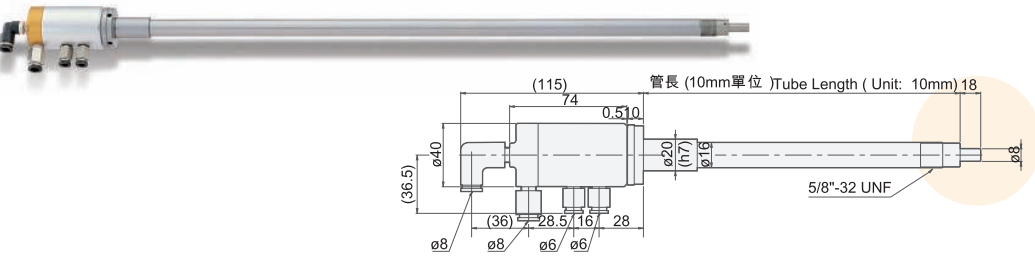


- 1.Pre-machined tapped holes and lubrication path: There are tapped holes for fixing jigs, thus, additional screw machining is not necessary, and pre-machined lubrication path can connect to auto-lubrication unit to lubricate the chuck automatically.
- 2.Built-in Cylinder: Connect cylinder directly to the chuck for stable gripping.
- 3.Precise soft jaw positioning: It's easy to remount soft jaw to the correct position with dowel pins on it.
- 4.High gripping precision brings better quality and efficiency: Good coaxiality and repeatability of gripping are able to achieve the accuracy of " μ degree" machining processes can be simplified or shortened to make high precision machining with high efficiency come true.



外接氣壓手動切換閥
Split type hand control valve

氣壓回轉器

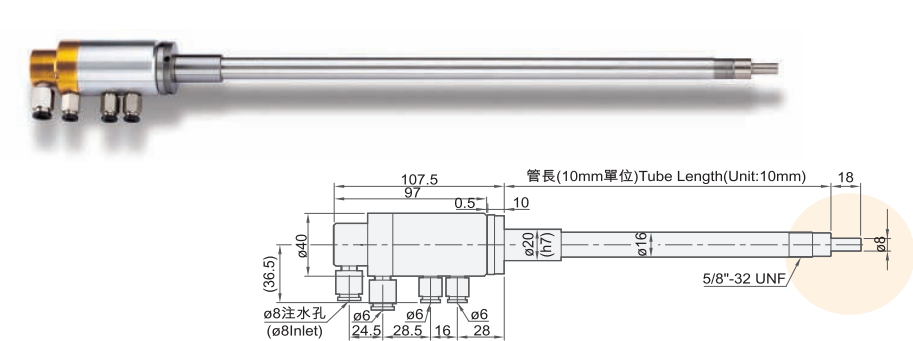


例如:長度 500mm 時填記 50。
Ex. Fill in 50
for required length of 500mm.

規格表 | SPECIFICATIONS | 單位: UNIT:mm

型式/規格 MODEL / SPEC.	最高回轉速 Max.Speed	推薦潤滑油 Recommended Lubricant	最高使用壓力 Max. Pressure
TB-XX-18	8000min ⁻¹	VG6同等級油 VG6 or Equal	8.2 kgf/cm ² (0.8Mpa)

氣壓回轉器 (注水型)

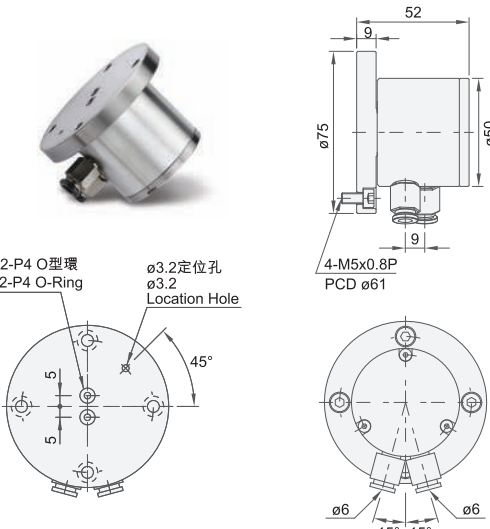


例如:長度 500mm 時填記 50。
Ex. Fill in 50
for required length of 500mm.

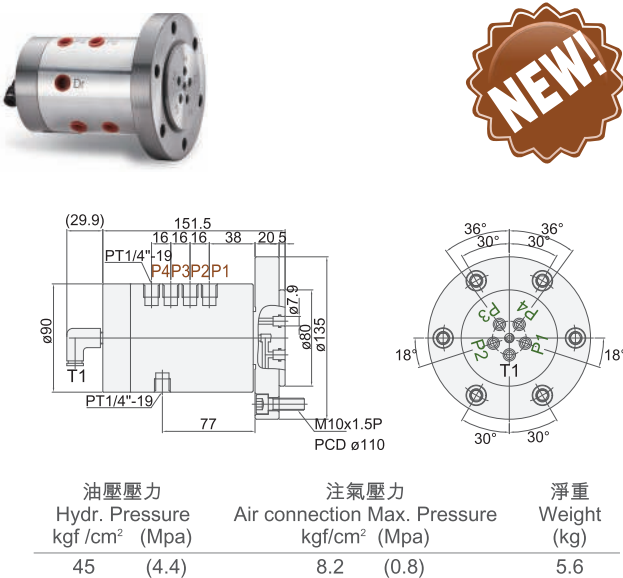
規格表 | SPECIFICATIONS | 單位: UNIT:mm

型式/規格 MODEL / SPEC.	最高回轉速 Max.Speed	推薦潤滑油 Recommended Lubricant	氣壓最高使用壓力 Max. Pressure	注水孔最高使用壓力 Coolant connection Max. Pressure
TBC-XX-18	8000min ⁻¹	Vg6同等級油 Vg6 or Equal	8.2 kgf/cm ² (0.8Mpa)	8.2 kgf/cm ² (0.8Mpa)

氣壓回轉器

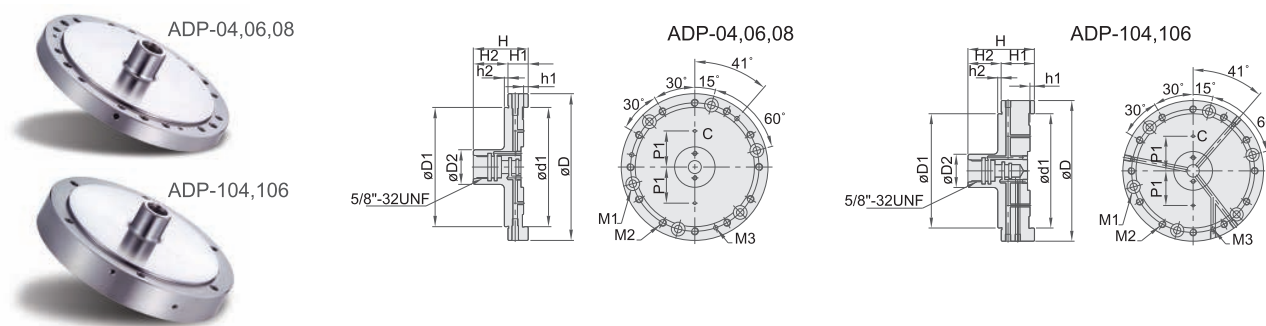


油壓回轉器 (含檢知裝置)



油壓壓力 Hydr. Pressure kgf/cm ² (Mpa)	注氣壓力 Air connection Max. Pressure kgf/cm ² (Mpa)	淨重 Weight (kg)
45 (4.4)	8.2 (0.8)	5.6

連結盤



規格表 | SPECIFICATIONS | 單位: UNIT:mm

型式/規格 MODEL / SPEC.	D	D1 (h7)	D2	d1 (H7)	P1	H	H1	H2	h1	h2	M1	M2	M3
ADP-04	101.6	82.55	24	82.55	25	38	14	24	3.2	2.5	6-M5x0.8P (PCD ø88.9)	12-M5x0.8P (PCD ø88.9)	3-ø3 (PCD ø88.9)
ADP-06	152.4	124.97	24	124.97	34.5	38	14	24	3.2	2.5	6-M6x1P (PCD ø135.89)	12-M6x1P (PCD ø135.89)	3-ø3 (PCD ø135.89)
ADP-08	203.2	167.64	30	167.64	50	54	25	29	7.0	5.0	6-M10x1.5P (PCD ø182.88)	6-M10x1.5P (PCD ø182.88)	3-ø4 (PCD ø182.88)
ADP-104	101.6	82.55	24	82.55	25	48	24	24	3.2	2.5	6-M5x0.8P (PCD ø88.9)	12-M5x0.8P (PCD ø88.9)	3-ø3 (PCD ø88.9)
ADP-106	152.4	124.97	24	124.97	34.5	48	24	24	3.2	2.5	6-M6x1P (PCD ø135.89)	12-M6x1P (PCD ø135.89)	3-ø3 (PCD ø135.89)

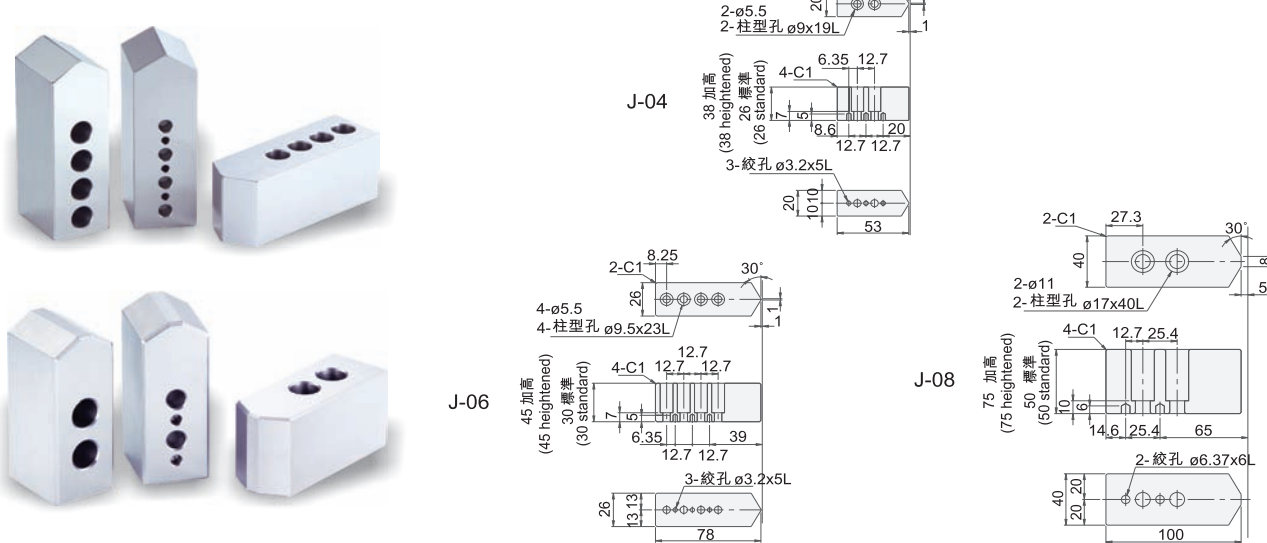
超精密生爪成型盤



規格表 | SPECIFICATIONS | 單位: UNIT:mm

型式/規格 MODEL / SPEC.	A	B	C	D	E	F	G	H	I	J	K	L	淨重 Weight (Kg)
FR-04	112	80	22	30	6	21	12.7	12.7	12.7	6-M5x0.8P	9-ø3.175	3-M8x1.25P	1.9
FR-06	167	130	30	30	6	40	12.7	12.7	12.7	12-M5x0.8P	9-ø3.175	3-M10x1.5P	4.3
FR-08	203	160	54	35	6	66	25.4	25.4	--	6-M10x1.5P	6-ø6.35	3-M10x1.5P	7.2

超精密夾頭生爪



兩軸自動求心氣壓夾盤

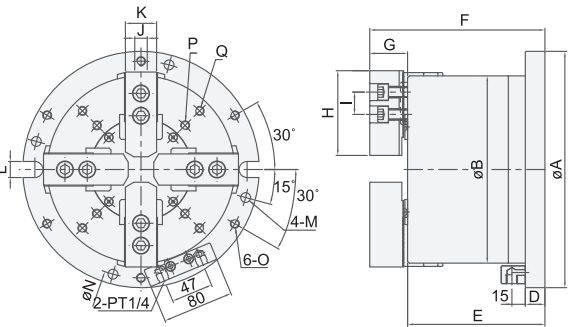
兩軸自動求心氣壓夾盤專供中心機及各式工作台面的加工而設計，在X,Y兩軸間同時夾持任何異形工件具快速自定工件中心之功能。具3大特色：

- 1.氣缸防銹處理：在潮濕及工作環境較差的情況，氣缸內部經防銹處理，不會生銹或卡死。
- 2.防塵裝置：在工作台上的鉗銑工作、切屑及冷卻液不易進入夾盤內部，確保夾盤的使用壽命及精度。
- 3.多邊夾持、自定中心：有別於虎鉗的單一軸向夾持，兩軸自動求心氣壓夾盤分別在X,Y兩軸向分割成兩組夾持動作，且同時自定工件中心，能快速準確的固定工件，在任一軸向銑削均能達到穩固的效果。



2 actuating axes self-centering solid air chuck fixtures is great for machining center. Two pairs of jaws clamp one after another to assure a workpiece to be locked completely.

- 1.Rust-proof for Pneumatic Cylinder: Inside wall of cylinder being rustproof treated; cylinder can work under wet or high moisture circumstances without rusty or seized trouble.
- 2.Dusts-proof and Waterproof: Dust-proof and Waterproof structure prevents work-chips and coolant water from entering into inside of chuck cylinder to maintain its accuracy and lead to longer service life.
- 3.4-jaw Clamping and Self-centering: 4-jaw clamping are steadier for machining. Two pairs of jaws are moved independently to assure complete lock and self-centering.



應用實例 » Operation Example

快速、準確、自動化
Speed, Accurate, Automatic

兩段分割夾持，自定中心
4-jaws clamping and self-center

規格表 | SPECIFICATIONS | 單位: UNIT:mm

型式/規格 MODEL / SPEC.	A	B	D	E	F	G	H	I	J	K	L	M	N
MA-06	224	175	20	130	170	40	73	20	12	31	18	ø11	ø202
MA-08	265	210	22	154	196	42	95	25	14	35	18	ø11	ø243
MA-10	315	250	25	176	222	46	110	30	16	40	18	ø13	ø285

型式/規格 MODEL / SPEC.	O	P	Q	A 活塞面積 Piston Area (cm²)	
				推力側 Push Side	拉力側 Pull Side
MA-06	M10x1.5P(PCD ø202)	4-M8x1.25P(PCD ø124)	4-M8x1.25P(PCD ø156)	127	108
MA-08	M10x1.5P(PCD ø243)	4-M10x1.5P(PCD ø140)	4-M10x1.5P(PCD ø186)	184	157
MA-10	M12x1.75P(PCD ø285)	4-M10x1.5P(PCD ø176)	4-M10x1.5P(PCD ø224)	270	239

型式/規格 MODEL / SPEC.	B 活塞面積 推力側 Push Side	Piston Area (cm²) 拉力側 Pull Side	柱塞行程 Plunger Stroke (mm)	爪行程 (直徑) Jaw Stroke (Diameter) (mm)	空壓夾持力 Gripping Force At Air Pressure 7kgf/cm² (0.7Mpa)		淨重 Weight (kg)	夾持範圍 Gripping Range
					kgf	(KN)		
MA-06	122	117	12	5.5	4500	(44)	24.8	ø25~ø175
MA-08	176	169	16	7.4	6400	(63)	41.3	ø30~ø210
MA-10	254	241	19	8.8	9500	(93)	65.6	ø35~ø250

後拉式 (氣) 油壓夾盤

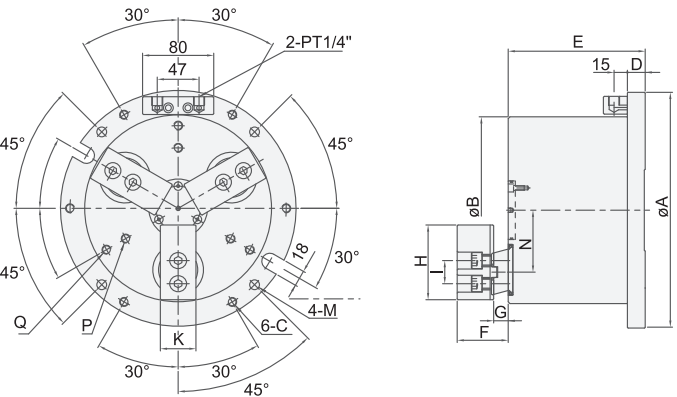
後拉式(氣)油壓夾盤在工作台面的鉗、銑加工時，夾持工件穩固不會上浮，適用重切削或鑄件及鍛件的加工。

- 1.氣缸防銹處理：在潮濕及工作環境較差的情況，氣缸內部經防銹處理，不會生銹或卡死。
- 2.防塵裝置：在工作台上的鉗銑加工、切屑及冷卻液不會進入夾盤內部，確保夾盤的使用壽命及精度。
- 3.重力夾持設計：搭配油壓系統作重力夾持工件，結構設計穩固不會變形。

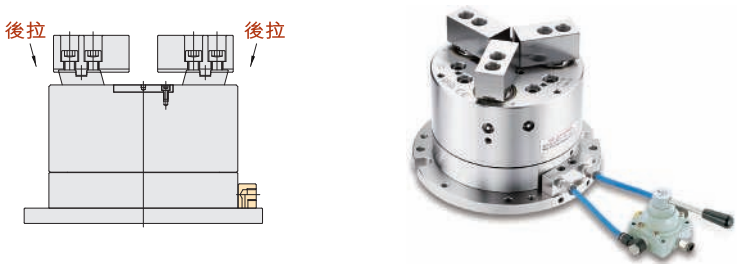


Pull Back Power Chuck Fixture is ideal for machining application on working table, workpiece can be clamped firmly not lift up; it is suitable for heavy cutting as well as the casting and forging machining.

- 1.Rust-proof for Pneumatic Cylinder: Inside wall of cylinder being rustproof treated; cylinder can work under wet or high moisture circumstances without rusty or seized trouble.
- 2.Dusts-proof and Waterproof: Dust-proof and Waterproof structure prevents work-chips and coolant water from entering into inside of chuck cylinder to maintain its accuracy and lead to longer service life.
- 3.Heavy Duty Clamping Design: Collocating hydraulic system to do heavy duty clamping, the chuck structure is steady and won't deform.



應用實例 » Operation Example



規格表 | SPECIFICATIONS | 單位: UNIT:mm

型式/規格 MODEL / SPEC.	A	B	C	D	E	F Max.	F min.	G Max.	G min.	H	I	K	M
PLVE-06	224	169	M10x1.5P(PCDø202)	17	140	45.65	35.65	14.65	4.65	70	--	35	ø11(PCD ø202)
PLVE-08	265	210	M10x1.5P(PCDø243)	17	154	57.15	47.15	16.15	6.15	84	26	40	ø11(PCD ø243)
PLVE-10	315	254	M12x1.75P(PCDø285)	20	185	67.6	51.6	21.6	5.6	100	32	50	ø13(PCD ø285)

型式/規格 MODEL / SPEC.	N Max.	N min.	P	Q	活塞面積 Piston Area (cm²)	柱塞行程 Plunger Stroke (mm)	爪行程 [直徑] Jaw Stroke [Diameter] (mm)
PLVE-06	56.69	54.01	3-M6x1P(PCDø80)	3-M6x1P(PCDø120)	91	10	5.3
PLVE-08	69.56	66.88	3-M10x1.5P(PCDø136)	3-M10x1.5P(PCDø186)	160	10	5.3
PLVE-10	87.44	81.61	3-M12x1.75P(PCDø170)	3-M12x1.75P(PCDø230)	215	16	11.6

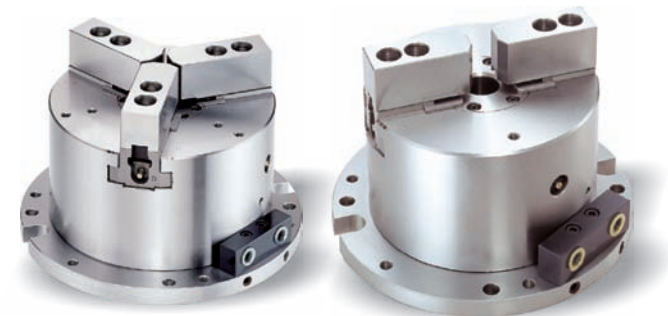
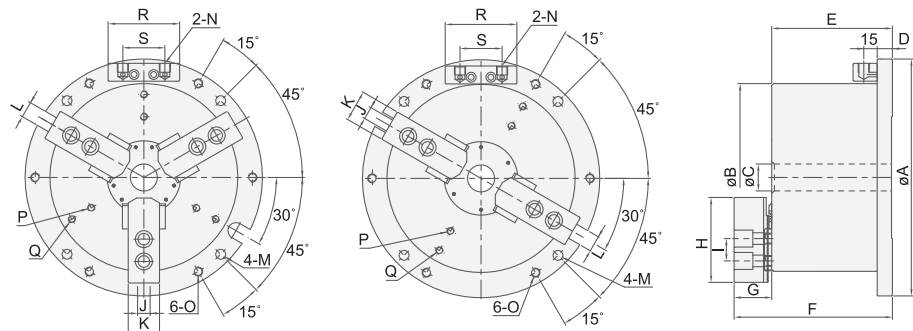
型式/規格 MODEL / SPEC.	最大靜夾持力 Max. Gripping Force		最大設定油壓壓力 Max. Pressure Setting		氣壓夾持力 Gripping Force At Air Pressure 7kgf/cm² (0.7Mpa)		夾持範圍 Gripping Range
	kgf	(KN)	kgf/cm²	(Mpa)	kgf	(KN)	
PLVE-06	2950	(29)	16	(1.57)	1270	(12.5)	ø35~ø160
PLVE-08	4890	(48)	15	(1.47)	2240	(22)	ø40~ø210
PLVE-10	4990	(49)	16	(1.57)	2140	(21)	ø50~ø254

內藏式中空（氣）油壓夾盤

L :加長行程 L :Longer stroke

內藏式中空油壓夾盤適用於工作台面的鉗、銑加工而設計。

- 1.氣缸防銹處理：在潮濕及工作環境較差的情況，氣缸內部經防銹處理，不會生銹或卡死。
- 2.防塵裝置：在工作台上的鉗銑工作、切屑及冷卻液不易進入夾盤內部，確保夾盤的使用壽命及精度。
- 3.內藏式油缸特性：把油缸直接裝置於夾頭內部，更能確保連結的穩定性、提升夾持力，適用於重切削及夾持精度的保持，倍增機械效益。



With built-in type cylinder, it is ideal for machining application on working table.

- 1.Rust-proof for Pneumatic Cylinder:
Inside wall of cylinder being rustproof treated; cylinder can work under wet or high moisture circumstances without rusty or seized trouble.
- 2.Dusts-proof and Waterproof:
Dust-proof and Waterproof structure prevents work-chips and coolant water from entering into inside of chuck cylinder to maintain its accuracy and lead to longer service life.
- 3.Benefit of Built-in Cylinder:
The cylinder is connected to chuck itself directly for obtaining better stability, less space, and higher machining efficiency.

應用範例 » Operation Example

氣壓切換閥連接方式 / 特殊附件
Examples of Attaching Pneumatic Manual Switch / Optional Accessories



外接氣壓手動切換閥
Split type hand control valve



氣壓手動切換閥
Adherent type hand control valve

規格表 | SPECIFICATIONS | 單位: UNIT:mm

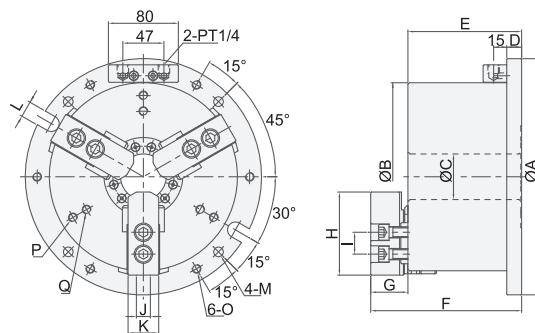
型式/規格 MODEL / SPEC.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	R	S
MO-04	157	115	--	15	77.5	104	26	49.5	14	10	23	13	ø9 (PCD ø135)	PT1/8	M8x1.25P	3-M8x1.25P(PCDø90)	64	47
MO-05	185	135	--	15	95	128	33	62	14	10	25	13	ø9 (PCD ø165)	PT1/4	M8x1.25P	3-M8x1.25P(PCDø100)	80	47
MO-06	224	169	25	16	118	158	40	73	20	12	31	18	ø11 (PCD ø202)	PT1/4	M10x1.5P	3-M8x1.25P(PCDø134)	80	47
MO-08	265	210	30	20	138	180	42	95	25	14	35	18	ø11 (PCD ø243)	PT1/4	M10x1.5P	3-M10x1.5P(PCDø136)	80	47
MO-10	315	254	52	23	150	196	46	110	30	16	40	18	ø13 (PCD ø285)	PT1/4	M12x1.75P	3-M12x1.75P(PCDø170)	80	47
MO-12	375	304	80	23	165	219	54	129	30	21	50	18	ø17 (PCD ø340)	PT3/8	M16x2P	3-M12x1.75P(PCDø200)	80	55
ML-08	265	210	30	20	138	180	42	95	25	14	35	18	ø11 (PCD ø243)	PT1/4	M10x1.5P	3-M10x1.5P(PCDø136)	80	47
MOT-04	157	115	--	15	77.5	104	26	49.5	14	10	23	13	ø9 (PCD ø135)	PT1/8	M8x1.25P	2-M8x1.25P(PCDø90)	64	47
MOT-05	185	135	--	15	95	128	33	62	14	10	25	13	ø9 (PCD ø165)	PT1/4	M8x1.25P	2-M8x1.25P(PCDø100)	80	47
MOT-06	224	169	25	16	118	158	40	73	20	12	31	18	ø11 (PCD ø202)	PT1/4	M10x1.5P	2-M8x1.25P(PCDø134)	80	47
MOT-08	265	210	30	20	138	180	42	95	25	14	35	18	ø11 (PCD ø243)	PT1/4	M10x1.5P	2-M10x1.5P(PCDø136)	80	47
MOT-10	315	254	52	23	150	196	46	110	30	16	40	18	ø13 (PCD ø285)	PT1/4	M12x1.75P	2-M12x1.75P(PCDø170)	80	47

型式/規格 MODEL / SPEC.	Q	活塞面積 Piston Area (cm ²)	柱塞行程 Plunger Stroke (mm)	爪行程 (直徑) Jaw Stroke (Diameter) (mm)	最大靜夾持力 Max.Gripping Force		最大設定 油壓壓力 Max. Hydr. Pressure		空壓夾持力 Gripping Force At Air Pressure 7 kgf/cm ² (0.7Mpa)		淨重 Weight (kg)	夾持範圍 Gripping Range
					kgf	(KN)	kgf/cm ²	(Mpa)	kgf	(KN)		
MO-04	--	57	9	3.8	2400	(23.5)	15	(1.5)	930	(9.1)	7.05	ø9~ø115
MO-05	--	74	10	5.4	3285	(32.2)	20	(2.0)	950	(9.3)	11.2	ø12~ø135
MO-06	--	97	12	5.5	5040	(49.4)	20	(2.0)	1450	(14.2)	21.0	ø15~ø169
MO-08	3-M10x1.5P(PCDø186)	156	16	7.4	8100	(79.4)	20	(2.0)	2350	(23.0)	36.8	ø20~ø210
MO-10	3-M12x1.75P(PCDø230)	235	19	8.8	12210	(119.7)	20	(2.0)	3550	(34.8)	56.4	ø33~ø254
MO-12	3-M12x1.75P(PCDø260)	292	23	10.6	14500	(142.1)	20	(2.0)	4400	(43.1)	88.5	ø40~ø304
ML-08	3-M10x1.5P(PCDø186)	156	16.5	12	5202	(51)	20	(2.0)	1500	(14.7)	37.6	ø20~ø210
MOT-04	--	57	9	3.8	1900	(18.6)	12	(1.2)	930	(9.1)	6.9	ø9~ø115
MOT-05	--	74	10	5.4	2620	(25.6)	16	(1.6)	950	(9.3)	11.2	ø12~ø135
MOT-06	--	97	12	5.5	4030	(39.5)	16	(1.6)	1450	(14.2)	21.0	ø15~ø169
MOT-08	2-M10x1.5P(PCDø186)	156	16	7.4	6480	(63.5)	16	(1.6)	2350	(23.0)	36.8	ø20~ø210
MOT-10	2-M12x1.75P(PCDø230)	235	19	8.8	9760	(95.6)	16	(1.6)	3550	(34.8)	56.4	ø33~ø254

大孔徑內藏式（氣）油壓夾盤

內藏式中空油壓夾盤適用於工作台面的鉗、銑加工而設計。

- 1.氣缸防銹處理：在潮濕及工作環境較差的情況，氣缸內部經防銹處理，不會生銹或卡死。
- 2.防塵裝置：在工作台上的鉗銑工作、切屑及冷卻液不易進入夾盤內部，確保夾盤的使用壽命及精度。
- 3.內藏式油缸特性：把油缸直接裝置於夾頭內部，更能確保連結的穩定性、提升夾持力，適用於重切削及夾持精度的保持，倍增機械效益。



With built-in type cylinder, it is ideal for machining application on working table.

- 1.Rust-proof for Pneumatic Cylinder:
Inside wall of cylinder being rustproof treated; cylinder can work under wet or high moisture circumstances without rusty or seized trouble.
- 2.Dusts-proof and Waterproof:
Dust-proof and Waterproof structure prevents work-chips and coolant water from entering into inside of chuck cylinder to maintain its accuracy and lead to longer service life.
- 3.Benefit of Built-in Cylinder:
The cylinder is connected to chuck itself directly for obtaining better stability, less space, and higher machining efficiency.

應用範例 » Operation Example

氣壓切換閥連接方式 / 特殊附件
Examples of Attaching Pneumatic Manual Switch / Optional Accessories



外接氣壓手動切換閥
Split type hand control valve



氣壓手動切換閥
Adherent type hand control valve

規格表 | SPECIFICATIONS | 單位: UNIT:mm

型式/規格 MODEL / SPEC.	A	B	C	D	E	F	G	H	I	J	K	L	M	O	P
MB-06	228	173	45	16	118	158	40	73	20	12	31	18	4-ø11(PCDø202)	M10x1.5P	3-M8x1.25P(PCDø134)
MB-08	270	215	52	17	130	172.5	42	95	25	14	35	18	4-ø11(PCDø243)	M10x1.5P	3-M10x1.5P(PCDø150)
MB-10	315	256	75	19	146	190.5	46	110	30	16	40	18	4-ø13(PCDø285)	M12x1.75P	3-M12x1.75P(PCDø182)

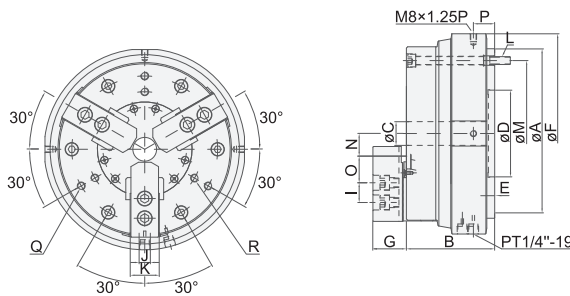
型式/規格 MODEL / SPEC.	Q	活塞面積 Piston Area (cm ²)	柱塞行程 Plunger Stroke (mm)	爪行程 (直徑) Jaw Stroke (Diameter) (mm)	最大靜夾持力 Max.Gripping Force		最大設定 油壓壓力 Max. Hydr. Pressure		夾持範圍 Gripping Range	空壓夾持力 Gripping Force At Air Pressure 7 kgf/cm ² (0.7Mpa)		淨重 Weight (kg)
					kgf	(KN)	kgf/cm ²	(Mpa)		kgf	(KN)	
MB-06	--	97	12	5.5	5040	(49.4)	20	(2.0)	ø20~ø173	1450	(14.2)	21.7
MB-08	3-M10x1.5P (PCDø186)	156	16	7.4	8100	(79.4)	20	(2.0)	ø25~ø215	2350	(23.0)	35.5
MB-10	3-M12x1.75P (PCDø232)	226	19	8.8	12330	(120.9)	21	(2.1)	ø37~ø256	3400	(33.3)	54

回轉氣壓夾盤

間歇性運轉

輕切削加工適用 Suitable for light cutting
迴轉式氣壓夾盤適用於分度盤，具可隨
分度盤主軸旋轉功能，動力夾持加工物
作角度分割或旋轉切削。

- 1.提供NC分度盤間歇性迴轉的配套使用，轉速需在限制範圍內。
- 2.氣缸防銹處理：在潮溼及工作環境較差的情況，氣缸內部經防銹處理，不會生銹或卡死。
- 3.前置式氣缸：氣缸與夾盤直結設計，確保夾持的穩定性，更方便於組裝及操作。



It's Ideal for dividing or cutting work pieces by mounting the chuck on indexing table or rotary table. The distinctive feature is that the chuck rotates with the spindle of indexing table or rotary table.

- 1.The chuck is designed for intermittently rotate in limited rotary speed with rotary table.
- 2.Rustproof treated cylinder:
The cylinder won't get rusty and seized even in wet or high moisture working environment.
- 3.Integral pneumatic cylinder:
Connect chuck and built-in cylinder to each other directly; thus enables operation stability. Moreover, it is more convenient for installation and operation since the use of draw tube and draw bar are no longer necessary.

使用範例>>Operation Example



規格表 | SPECIFICATIONS | 單位: UNIT:mm

型式/規格 MODEL / SPEC.	A	B	C	D	E	F	G	H	I	J	K
RT-05	140	85	16	60	6	182	33.6	62	14	10	25
RT-06	170	93	20	80	7	215	40.4	73	20	12	31
RT-08	215	112	30	110	8	255	42.4	95	25	14	35

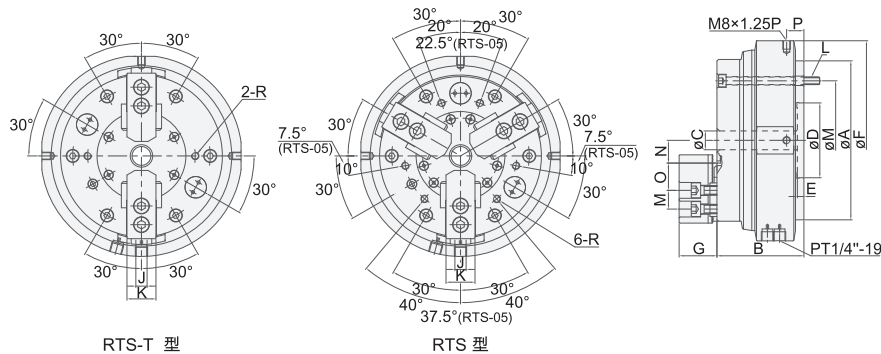
型式/規格 MODEL / SPEC.	L	M	N max.	N min.	O max.	O min.	P	Q	R	通孔直徑 Thru-Hole (Diameter) (mm)
RT-05	6-M8x1.25P	PCDø118	26.93	24.62	20.05	6.55	26	--	3-M8x1.25P(PCDø92)	16
RT-06	6-M8x1.25P	PCDø147	36.46	33.69	21.55	15.55	26	--	3-M10x1.5P(PCDø130)	20
RT-08	6-M10x1.5P	PCDø185	44.92	41.52	29.55	17.55	27	3-M10x1.5P(PCDø186)	3-M10x1.5P(PCDø146)	30

型式/規格 MODEL / SPEC.	活塞面積 Piston Area (cm ²)	柱塞行程 Plunger Stroke (mm)	爪行程(直徑) Jaw Stroke (Diameter) (mm)	最高轉速 Max.Speed r.p.m.(min ⁻¹)	最大設定壓力 Max. Pressure		氣壓夾持力 Gripping Force At Air Pressure 7kgf/cm ² (0.7Mpa)		夾持範圍 Gripping Range
					kgf/cm ²	(Mpa)	kgf	(KN)	
RT-05	74	10	4.6	51	7	(0.7)	1340	(13.1)	ø4-ø140
RT-06	120	13	5.5	41	7	(0.7)	2330	(22.8)	ø25-ø170
RT-08	190	16	6.8	33	7	(0.7)	3730	(36.5)	ø33-ø215

回轉氣壓夾盤

低扭矩 含止逆閥 可連續運轉

- 1.使用連續運轉，轉速需在限制範圍內。
- 2.防塵裝置：使用迷宮環設計，工作中鐵屑及切削液不易進入夾盤內部，使夾盤延長使用壽命與精度保持。
- 3.內藏式止逆裝置：內藏式止逆閥設計，夾持狀態下不需持續供氣也能保持夾持力，並且大幅降低工作扭矩減少負載。
- 4.提高轉速：較高的轉速能夠對應更廣範圍的應用。
- 5.前置式氣缸設計：氣缸與夾盤直結設計，確保夾持的穩定性，更方便於組裝及操作。
- 6.氣缸防銹處理：在潮濕及工作環境較差的情況，氣缸內部經防銹處理，不會生銹或卡死。



規格表 | SPECIFICATIONS | 單位: UNIT:mm

型式/規格 MODEL / SPEC.	A	B	C	D	E	F	G	H	I	J	K
RTS-05	140	85	16	60	6	182	33.6	62	14	10	25
RTS-06	170	93	20	80	7	215	40.4	73	20	12	31
RTS-08	215	112	30	110	8	255	42.4	95	25	14	35
RTS-10	255	120	43	140	8	300	46.4	110	30	16	40
RTS-05T	140	85	16	60	6	182	33.6	62	14	10	25
RTS-06T	170	93	20	80	7	215	40.4	73	20	12	31

型式/規格 MODEL / SPEC.	L	M	N max.	N min.	O max.	O min.	P	R	通孔直徑 Thru-Hole (Diameter) (mm)	活塞面積 Piston Area (cm ²)
RTS-05	6-M8x1.25P	PCDø118	26.93	24.62	20.05	6.55	18.5	6-M6x1P(PCDø92)	16	74
RTS-06	6-M8x1.25P	PCDø147	36.46	33.69	21.55	15.55	18.5	6-M8x1.25P(PCDø120)	20	120
RTS-08	6-M10x1.5P	PCDø185	44.92	41.52	29.55	17.55	19.5	6-M10x1.5P(PCDø155)	30	190
RTS-10	6-M10x1.5P	PCDø220	53.63	49.59	36.55	17.05	21.5	6-M12x1.75P(PCDø190)	43	280
RTS-05T	6-M8x1.25P	PCDø118	26.93	24.62	20.05	6.55	18.5	2-M6x1P(PCDø92)	16	74
RTS-06T	6-M8x1.25P	PCDø147	36.46	33.69	21.55	15.55	18.5	2-M8x1.25P(PCDø115)	20	120

型式/規格 MODEL / SPEC.	柱塞行程 Plunger Stroke (mm)	爪行程(直徑) Jaw Stroke (Diameter) (mm)	最高轉速 Max.Speed r.p.m.(min ⁻¹)	壓力範圍 Pressure Setting Range		氣壓夾持力 Gripping Force At Air Pressure 7kgf/cm ² (0.7Mpa)		夾持範圍 Gripping Range	淨重 Weight (kg)
				kgf/cm ²	(Mpa)	kgf	(KN)		
RTS-05	10	4.6	450	2-7	(0.2-0.7)	1340	(13.1)	ø4-ø136	10
RTS-06	13	5.5	350	2-7	(0.2-0.7)	2330	(22.8)	ø25-ø166	16.8
RTS-08	16	6.8	300	2-7	(0.2-0.7)	3730	(36.5)	ø33-ø215	30.6
RTS-10	19	8.0	250	2-7	(0.2-0.7)	5480	(53.7)	ø43-ø255	45.1
RTS-05T	10	4.6	450	2-7	(0.2-0.7)	1340	(13.1)	ø4-ø136	9.7
RTS-06T	13	5.5	350	2-7	(0.2-0.7)	2330	(22.8)	ø25-ø166	16.3

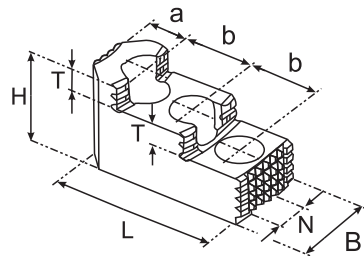


- 1.The chuck is be able to rotate continuously under the max rotate speed.
- 2.Dust and Liquid proof cover:
Design with Labyrinth Seal Rings, prevent the metal chips and coolant into the internal cylinder to guarantee chuck's performance and service life.
- 3.Built in Check Valve:
Design with built in Check Valve. It's doesn't need to supply the air continuously and remain low working torque also reduce the air consumption.
- 4.Higher Rotation Speed:
Higher rotation speed to fit with more kind of working.
- 5.Integral pneumatic cylinder:
Connect chuck and built-in cylinder to each other directly; thus enables operation stability. Moreover, it is more convenient for installation and operation since the use of draw tube and draw bar are no longer necessary.
- 6.Rustproof treated cylinder:
The cylinder won't get rusty and seized even wet or high moisture working environment.

使用範例>>Operation Example



德系卡盤卡爪系列



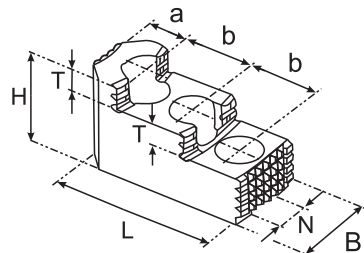
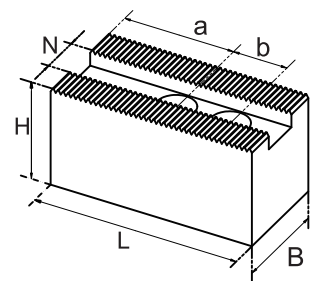
Inch serrated hard top jaws “D”

If high concentricity is required jaws have to be ground on the chuck at clamping pressure

Id.No.*	Serration inch	B mm	H mm	L mm	N mm	T mm	a mm	b mm	Mass kg/jaw
12081306	1/16"x90°	30	34	58	12	8.5	13	16	0.2
12081636	1/16"x90°	34	39	65	14	10	18	16.5	0.3
12082036	1/16"x90°	40	45	82	17	10.5	19	23	0.57
12082626	1/16"x90°	45	56	100	17	15.5	23	30	0.85
12083036	1/16"x90°	45	56	105	21	13.5	26	30	0.95
12084006	1/16"x90°	55	73	120	21	22	30	34	1.70
12085046	3/32"x90°	55	73	145	25.5	32	46	38	2.2
12084546	3/32"x90°	60	75	140	25.5	19	38	38	2.5
12086346	3/32"x90°	70	75	145	25.5	32	46	38	3

Inch serrated soft blank top jaws “D”

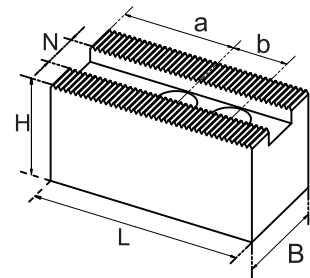
Id.No.*	Serration inch	B mm	H mm	L mm	N mm	a mm	b mm	Mass kg/jaw
12071300	1/16"x90°	30	30	60	12	29	16	0.3
12071680	1/16"x90°	30	35	70	14	38	16.5	0.42
12072130	1/16"x90°	35	40	90	17	47	23	0.85
12072620	1/16"x90°	40	45	110	17	60	30	1.23
12072500	1/16"x90°	45	45	110	21	60	30	1.25
90072500	1/16"x90°	60	60	120	25.5	64	34	2.6
12073000	1/16"x90°	50	50	125	21	73	30	1.85
12074030	1/16"x90°	60	60	140	21	81	34	3.2
12074040	3/32"x90°	60	60	140	25.5	75	38	3.2
12075050	3/32"x90°	60	60	170	25.5	105	38	3.6
12075040	3/32"x90°	75	75	160	25.5	97	38	5.5
12075140	3/32"x90°	60	60	205	25.5	104	38	4.5



Metric serrated hard top jaws “M”

If high concentricity is required jaws have to be ground on the chuck at clamping pressure

Id.No.*	Serration mm	B mm	H mm	L mm	N mm	T mm	a mm	b mm	Mass kg/jaw
12081307	1.5x60°	30	34	58	12	8.5	13	16	0.2
12081627	1.5x60°	34	39	67	12	10	14	20	0.31
12082127	1.5x60°	40	45	86	14	10.5	19	25	0.60
12082627	1.5x60°	45	56	100	16	15.5	23	30	0.85
12083037	1.5x60°	45	56	105	21	13.5	26	30	0.95
12084007	1.5x60°	55	73	120	21	22	30	34	1.70
12084047	1.5x60°	55	73	145	25.5	32	46	38	2.2
12084527	1.5x60°	60	75	140	22	19	38	38	2.5



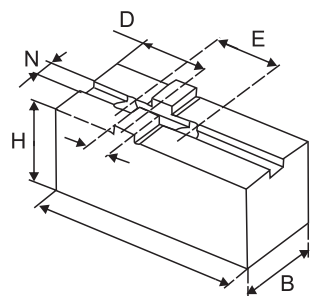
Metric serrated soft blank jaws “M”

Id.No.*	Serration inch	B mm	H mm	L mm	N mm	a mm	b mm	Mass kg/jaw
12071301	1.5x60°	30	30	60	12	29	16	0.3
12071621	1.5x60°	30	35	70	12	34	20	0.42
12072121	1.5x60°	35	40	90	14	47	25	0.85
12072621	1.5x60°	45	45	110	16	60	30	1.3
12073001	1.5x60°	50	50	125	21	73	30	1.85
12074021	1.5x60°	60	60	140	22	75	38	3.2
12074031	1.5x60°	60	60	140	21	81	34	3.2
12074041	1.5x60°	60	60	140	25.5	75	38	3.2

Tongue & groove soft blank top jaws “C”

American standard tongue & groove

Id.No.*	B mm	H mm	L mm	N mm	D mm	E mm	I mm	Mass kg/jaw
12041660	30	35	80	7.94	30	38.1	12.68	0.58
12042060	40	40	100	7.94	35	44.4	12.68	0.92
12042560	50	50	120	12.70	42	54	19.03	1.25
12043060	50	50	140	12.70	50	63.5	19.03	2.15
12044050	60	60	165	12.70	60	76.2	19.03	3.6
12045050	75	75	165	12.70	60	76.2	19.03	5.5



後拉式夾頭專用生爪

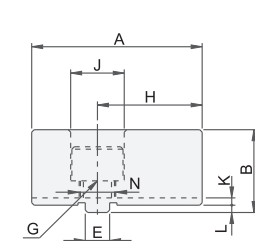


圖-1
FIG.1

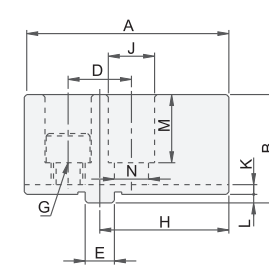


圖-2
FIG.2

規格表 | SPECIFICATIONS | 單位: UNIT:mm

型式/規格 MODEL / SPEC.	A	B	C	D	E	F	G	H	J	K	L	M	N	參考圖 Reference Drawing
S-06	70	34	35	--	10	10	M14x2P	43	23	3.0	3.0	21	15.5	圖-1 fig.1
S-08	84	44.5	40	26	12	16	M12x1.75P	53	20	3.5	3.5	29	13.5	圖-2 fig.2
S-10	100	49.5	50	32	15	18	M14x2P	62	23	3.5	3.5	32	15.5	圖-2 fig.2
S-12	120	54.5	60	36	17	20	M16x2P	78	26	3.5	3.5	36	17.5	圖-2 fig.2

連結盤



圖-1 Fig.1



圖-2 Fig.2



圖-3 Fig.3

- 各種鼻端規格，千島連結盤均能選配使用。
- " Chandonx " mounting plates are available to any kinds of spindle noses.

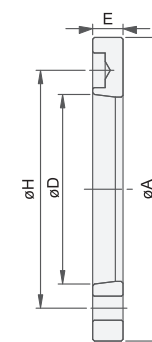


圖-1 Fig.1

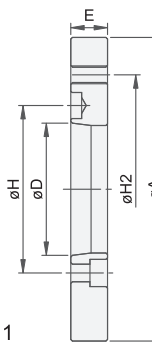


圖-2 Fig.2

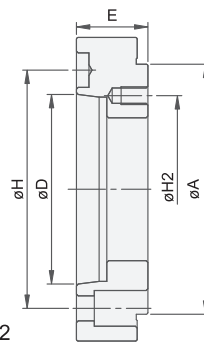


圖-3 Fig.3

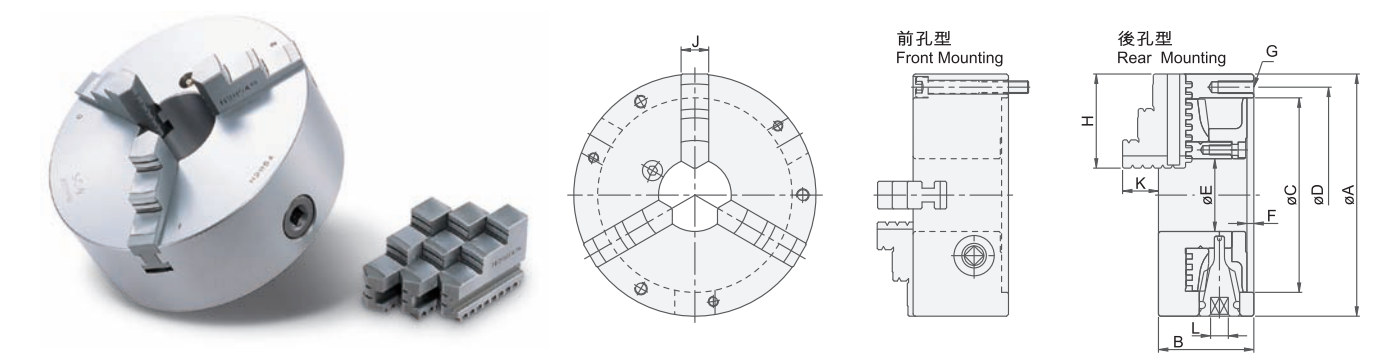
規格表 | SPECIFICATIONS | 單位: UNIT:mm

型式/規格 MODEL / SPEC.	鼻端番號 Nose of Spindle D	A	H	H2	E	參考圖 Reference Drawing
T005A ₂ 4	A ₂ 4	110	82.6	--	20	圖-1 fig.1
T005A ₂ 5	A ₂ 5	140	104.8	--	15	圖-1 fig.1
T006A ₂ 5	A ₂ 5	140	104.8	--	15	圖-1 fig.1
T008A ₂ 6	A ₂ 6	170	133.4	--	17	圖-1 fig.1
T010A ₂ 8	A ₂ 8	220	171.4	--	18	圖-1 fig.1
T012A ₂ 8	A ₂ 8	220	171.4	--	18	圖-1 fig.1
T015A ₂ 11	A ₂ 11	300	235	--	22	圖-1 fig.1
T018A ₂ 11	A ₂ 11	300	235	--	22	圖-1 fig.1
T021A ₂ 15	A ₂ 15	380	330.2	--	27	圖-1 fig.1
T024A ₂ 20	A ₂ 20	520	463.6	--	27	圖-1 fig.1
T032A ₂ 15	A ₂ 15	380	330.2	--	27	圖-1 fig.1
T040A ₂ 15	A ₂ 15	380	330.2	--	27	圖-1 fig.1

規格表 | SPECIFICATIONS | 單位: UNIT:mm

型式/規格 MODEL / SPEC.	鼻端番號 Nose of Spindle D	A	H	H2	E	參考圖 Reference Drawing
T004A ₂ 4	A ₂ 4	85	82.6	70.6	40	圖-3 fig.3
T005A ₂ 5	A ₂ 5	110	104.8	82.6	45	圖-3 fig.3
T006A ₂ 4	A ₂ 4	140	82.6	104.8	20	圖-2 fig.2
T006A ₂ 6	A ₂ 6	140	133.4	104.8	40	圖-3 fig.3
T008A ₂ 5	A ₂ 5	170	104.8	133.4	23	圖-2 fig.2
T008A ₂ 8	A ₂ 8	170	171.4	133.4	45	圖-3 fig.3
T010A ₂ 6	A ₂ 6	220	133.4	171.4	28	圖-2 fig.2
T012A ₂ 6	A ₂ 6	220	133.4	171.4	28	圖-2 fig.2
T012A ₂ 11	A ₂ 11	220	235	171.4	54	圖-3 fig.3
T015A ₂ 8	A ₂ 8	300	171.4	235	33	圖-2 fig.2
T018A ₂ 8	A ₂ 8	300	171.4	235	33	圖-2 fig.2
T021A ₂ 8	A ₂ 8	380	171.4	330.2	41	圖-2 fig.2
T021A ₂ 11	A ₂ 11	380	235	330.2	41	圖-2 fig.2
T024A ₂ 11	A ₂ 11	520	235	463.6	42	圖-2 fig.2
T024A ₂ 15	A ₂ 15	520	330.2	463.6	42	圖-2 fig.2
T032A ₂ 11	A ₂ 11	380	235	330.2	41	圖-2 fig.2
T040A ₂ 11	A ₂ 11	380	235	330.2	41	圖-2 fig.2

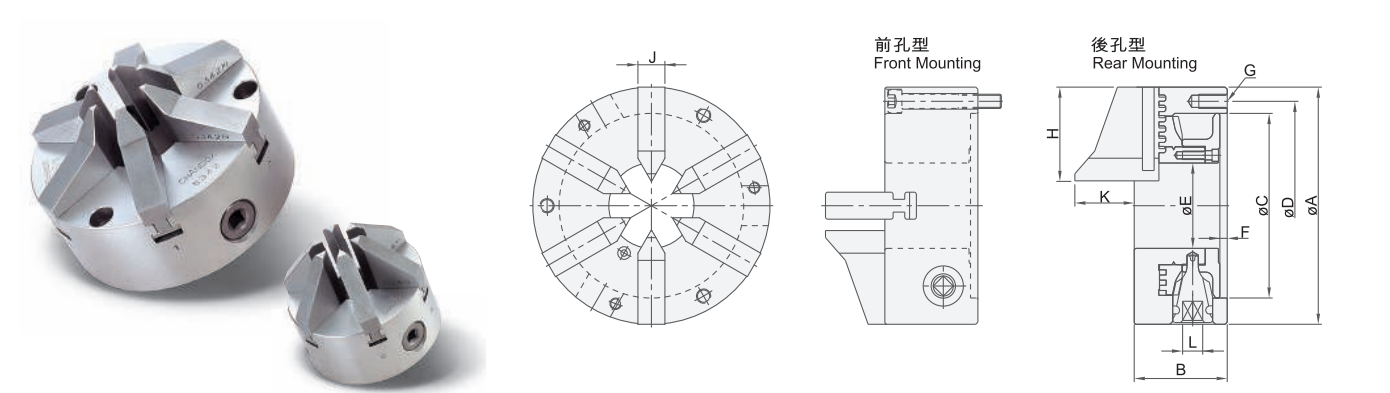
普通型三爪夾頭



規格表 | SPECIFICATIONS | 單位: UNIT:mm

型式/規格 MODEL / SPEC.	A	B	C	D	E	F	G	H	J	K	L	最高回轉速 Max.Speed r.p.m.(min ⁻¹)	把握範圍 Max. Gripping Diameter		淨重 Weight (kg)
													外徑把握 O.D.Clamping	內徑把握 I.D.Clamping	
SC-03	85	45	60	73	16	3.5	3-M6x1P	35	11	15	7	2500	ø2-ø70	ø24-ø64	1.5
SC-04	112	58	80	95	24	4.5	3-M8x1.25P	42	14	17	8	2500	ø3-ø90	ø32-ø84	3.3
SC-05	132	60	100	115	32	4.5	3-M8x1.25P	50	16	20	8	2500	ø3-ø110	ø35-ø100	4.6
SC-06	167	66	130	147	45	5	3-M10x1.5P	65	19	23	10	2000	ø4-ø160	ø48-ø150	7.9
SC-07	193	76	155	172	58	5	3-M10x1.5P	75	22	28	11	2000	ø4-ø180	ø56-ø170	12.0
SC-08	203	76	160	176	58	5	3-M10x1.5P	75	22	28	11	2000	ø4-ø180	ø56-ø170	13.3
SC-09	233	84	190	210	70	5.5	3-M12x1.75P	85	24	34.5	12	2000	ø5-ø220	ø62-ø210	19.3
SC-10	273	86	230	250	89	5.5	3-M12x1.75P	98	28	39	12	1800	ø6-ø260	ø70-ø250	26.2
SC-12	310	96	260	285	105	7	3-M12x1.75P	110	30	45	14	1800	ø10-ø300	ø86-ø290	37.6
SC-14	355	112	300	328	127	7	6-M12x1.75P	132	35	50	15	1500	ø12-ø350	ø96-ø320	57.2
SC-16	405	122	345	375	160	8	6-M14x2P	146	40	56	15	1500	ø14-ø400	ø100-ø380	80.7

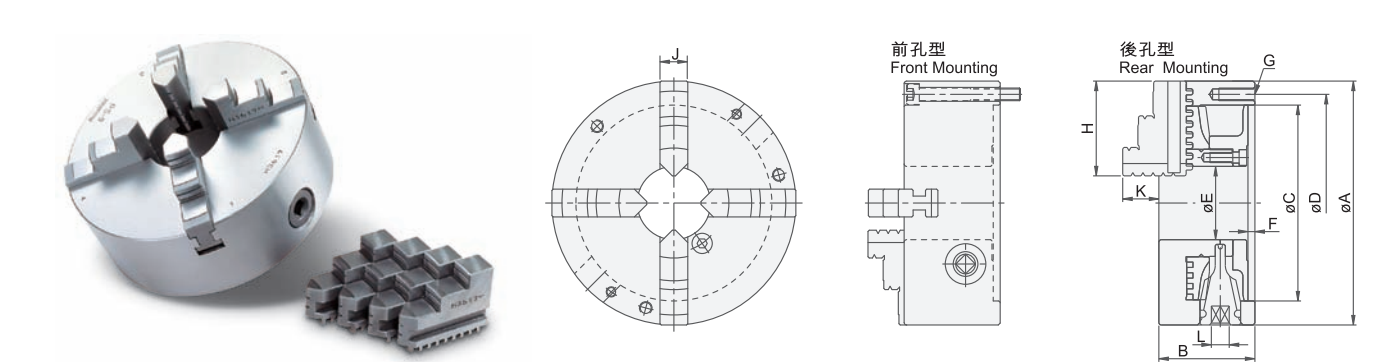
錐型六爪夾頭



規格表 | SPECIFICATIONS | 單位: UNIT:mm

型式/規格 MODEL / SPEC.	A	B	C	D	E	F	G	H	J	K	L	最高回轉速 Max.Speed r.p.m.(min ⁻¹)	把握範圍Max. Gripping Diameter		淨重 Weight (kg)
													外徑把握 O.D.Clamping	內徑把握 I.D.Clamping	
AS-04	112	58	80	95	32	4.5	3-M8x1.25P	45	14	46	8	1200	ø2-ø32	ø32-ø84	3.8
AS-06	167	65	130	147	60	5.0	3-M10x1.5P	66	19	43	10	1200	ø3-ø60	ø32-ø84	8.2

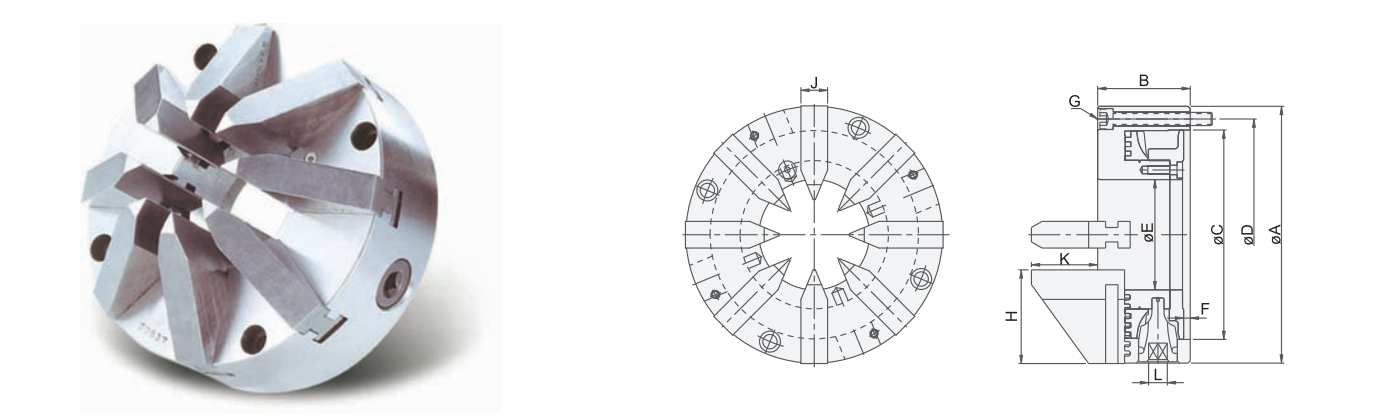
連動型四爪夾頭



規格表 | SPECIFICATIONS | 單位: UNIT:mm

型式/規格 MODEL / SPEC.	A	B	C	D	E	F	G	H	J	K	L	最高回轉速 Max.Speed r.p.m.(min ⁻¹)	把握範圍 Max. Gripping Diameter		淨重 Weight (kg)
													外徑把握 O.D.Clamping	內徑把握 I.D.Clamping	
PS-07	193	76	155	172	58	5	3-M10x1.5P	75	22	28	11	2000	ø4-ø180	ø56-ø170	12.1
PS-09	233	84	190	210	70	5.5	3-M12x1.75P	85	24	34.5	12	2000	ø5-ø220	ø62-ø210	19.4
PS-12	310	96	260	285	105	7	3-M12x1.75P	110	30	45	14	1800	ø10-ø300	ø86-ø290	38.1
PS-16	405	122	345	375	160	8	6-M14x2P	146	40	56	15	1500	ø14-ø400	ø100-ø380	82.4

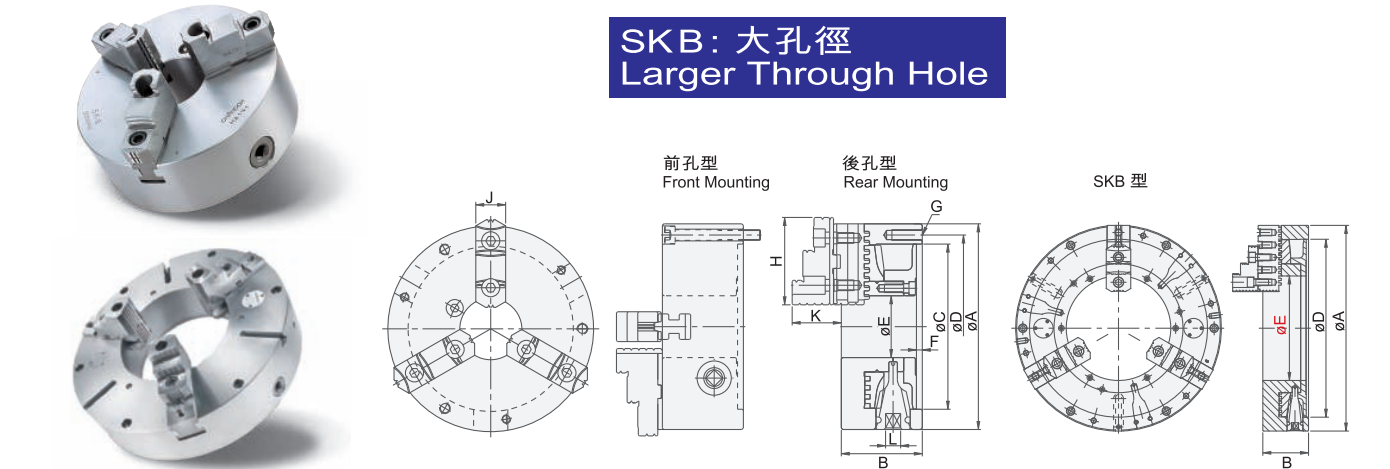
錐型八爪夾頭



規格表 | SPECIFICATIONS | 單位: UNIT:mm

型式/規格 MODEL / SPEC.	A	B	C	D	E	F	G	H	J	K	L	最高回轉速 Max.Speed r.p.m.(min ⁻¹)	把握範圍Max. Gripping Diameter		淨重 Weight (kg)
													外徑把握 O.D.Clamping	內徑把握 I.D.Clamping	
AE-09	233	84	190	210	100	5.5	4-M12x1.75P	85	24	60	12	1000	ø7-ø100	ø32-ø84	21

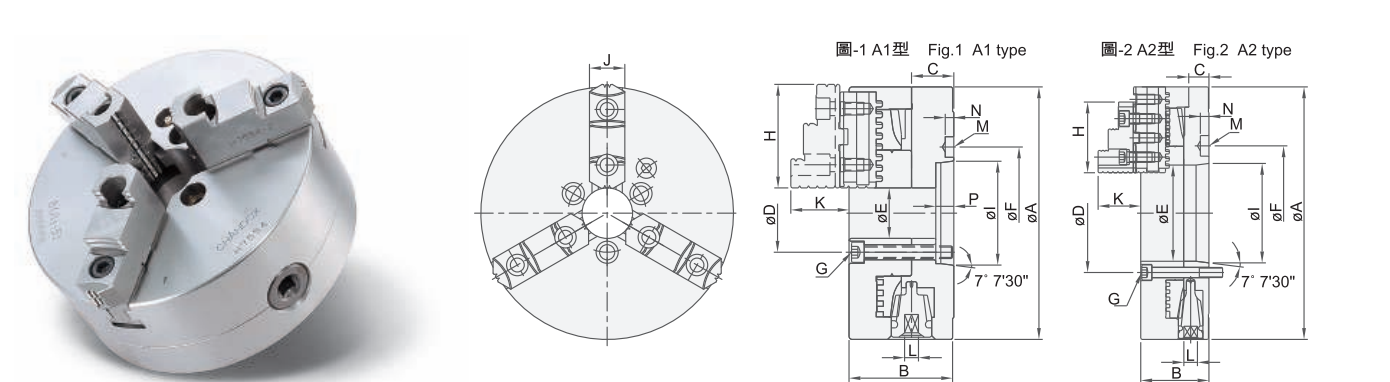
强力型三爪夾頭



規格表 | SPECIFICATIONS | 單位: UNIT:mm

型式/規格 MODEL / SPEC.	A	B	C	D	E	F	G	H	J	K	L	最高回轉速 Max.Speed r.p.m.(min ⁻¹)	把握範圍 Max. Gripping Diameter		淨重 Weight (kg)
													外徑把握 O.D.Clamping	內徑把握 I.D.Clamping	
SK-04	112	58	80	95	24	4.5	3-M8x1.25P	47	19	31.5	8	2500	ø3-ø100	ø35-ø93	3.45
SK-05	132	60	100	115	32	4.5	3-M8x1.25P	57	24	36	8	2500	ø3-ø123	ø43-ø122	5.0
SK-06	167	66	130	147	45	5	3-M10x1.5P	68	26	39	10	2000	ø8-ø160	ø55-ø150	8.6
SK-07	193	76	155	172	58	5	3-M10x1.5P	82	28	43	11	2000	ø8-ø180	ø62-ø170	12.8
SK-08	203	76	160	176	58	5	3-M10x1.5P	82	28	43	11	2000	ø8-ø180	ø62-ø170	14.1
SK-09	233	84	190	210	70	5.5	3-M12x1.75P	93	32	50	12	2000	ø11-ø220	ø70-ø210	20.4
SK-10	273	86	230	250	89	5.5	3-M12x1.75P	102	35	54.5	12	1800	ø12-ø260	ø80-ø250	26.7
SK-12	310	96	260	285	105	7	3-M12x1.75P	118	40	56	14	1800	ø15-ø300	ø90-ø290	39.3
SK-14	355	122	300	328	127	7	6-M12x1.75P	139	45	70.5	15	1500	ø25-ø350	ø110-ø320	60.7
SK-16	405	122	345	375	160	8	6-M14x2P	150	50	75	15	1500	ø30-ø400	ø110-ø380	82.3
SK-20	500	140	420	458	205	5.5	6-M16x2P	140	55	84	19	1000	ø25-ø480	ø125-ø460	145.5
SK-25	630	140	545	586	275	6.5	6-M16x2P	140	70	92	19	850	ø80-ø630	ø198-ø601	221.3
SKB-25	630	140	545	586	320	6.5	6-M16x2P	140	70	92	19	850	ø160-ø630	ø274-ø646	208.5

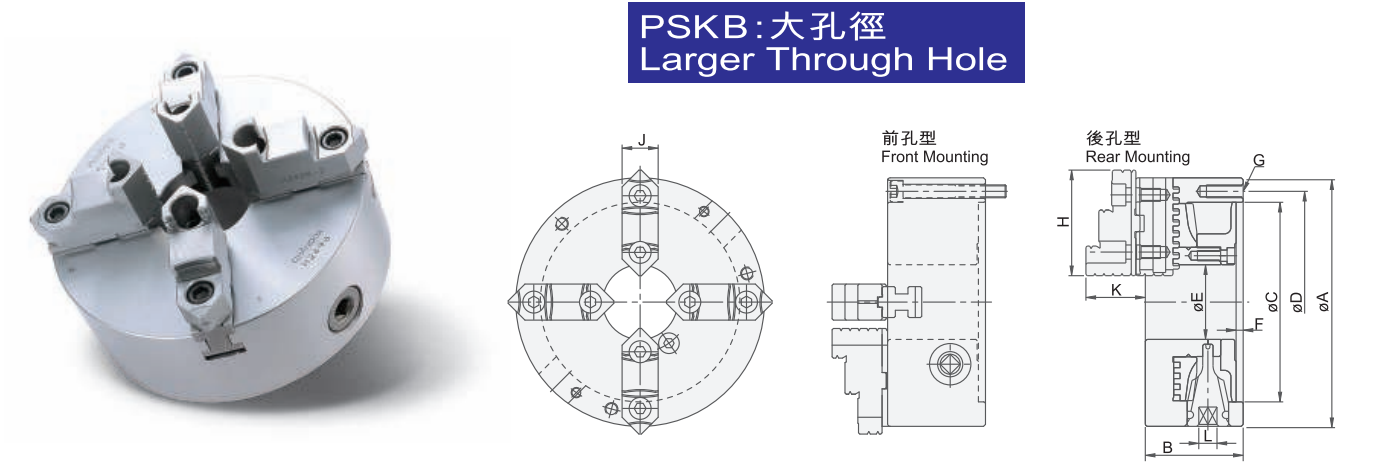
直裝型三爪夾頭



規格表 | SPECIFICATIONS | 單位: UNIT:mm

型式/規格 MODEL / SPEC.	A	B	C	D	E	F	G	H	I	J	K	L	P	M	N	參考圖 Reference Drawing	最高回轉速 Max.Speed r.p.m.(min ⁻¹)	把握範圍 Max.Gripping Diameter		淨重 Weight (kg)
																		外徑把握 O.D. Clamping	內徑把握 I.D. Clamping	
A15-08"	200	83	33.5	61.9	40	ø104.8	3-M10x1.5P	82	82.563	28	43	11	14.29	ø16.3	6.8	圖-1 fig.1	2000	ø8-ø180	ø62-ø170	17.4
A16-08"	200	83	33.5	82.6	56	ø133.4	3-M12x1.75P	82	106.375	28	43	11	15.88	ø19.3	6.8	圖-1 fig.1	2000	ø8-ø180	ø62-ø170	18
A16-10"	255	91.5	36.5	82.6	56	ø133.4	3-M12x1.75P	93	106.375	32	50	12	15.88	ø19.3	6.8	圖-1 fig.1	1800	ø11-ø240	ø70-ø230	30.6
A211-20"	500	135	40	235	190.5	ø235	6-M20x2.5P	140	196.869	55	84	19	--	ø29.4	10.7	圖-2 fig.2	1000	ø25-ø480	ø125-ø460	161.5

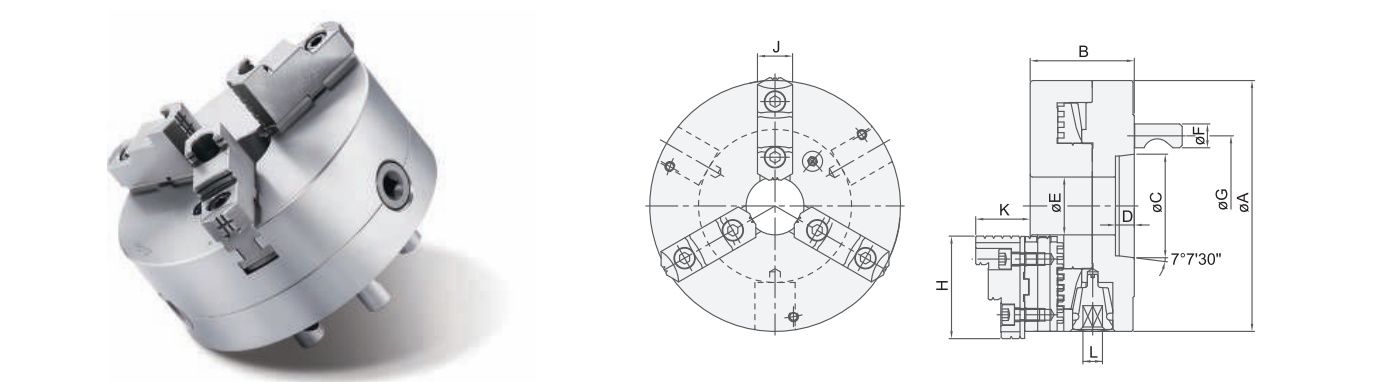
强力連動型四爪夾頭



規格表 | SPECIFICATIONS | 單位: UNIT:mm

型式/規格 MODEL / SPEC.	A	B	C	D	E	F	G	H	J	K	L	最高回轉速 Max.Speed r.p.m.(min ⁻¹)	把握範圍 Max. Gripping Diameter		淨重 Weight (kg)
													外徑把握 O.D.Clamping	內徑把握 I.D.Clamping	
PSK-07	193	76	155	172	58	5	3-M10x1.5P	82	28	43	11	2000	ø8-ø180	ø62-ø170	12.7
PSK-09	233	84	190	210	70	5.5	3-M12x1.75P	93	32	50	12	2000	ø11-ø220	ø70-ø210	20.8
PSK-12	310	96	260	285	105	7	3-M12x1.75P	118	40	56	14	1800	ø15-ø300	ø90-ø290	43
PSK-16	405	122	345	375	160	8	6-M14x2P	150	50	75	15	1500	ø30-ø400	ø110-ø380	86.7
PSK-20	500	140	420	458	205	5.5	6-M16x2P	140	55	84	19	1000	ø25-ø480	ø125-ø460	149
PSKB-25	630	140	545	586	320	6.5	6-M16x2P	140	70	92	19	850	ø160-ø630	ø274-ø646	--

直裝型三爪夾頭

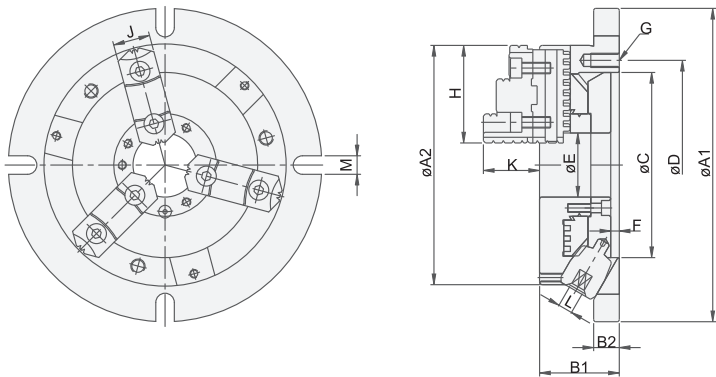
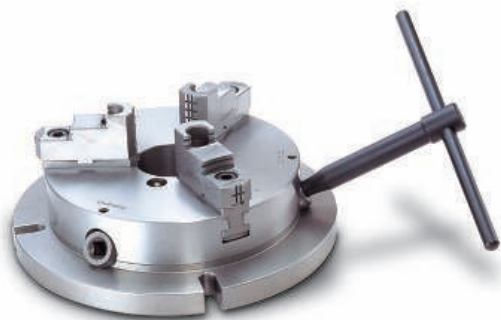


規格表 | SPECIFICATIONS | 單位: UNIT:mm

型式/規格 MODEL / SPEC.	A	B	C	D	E	F	G	H	J	K	L	最高回轉速 Max.Speed r.p.m.(min ⁻¹)	把握範圍 Max. Gripping Diameter		淨重 Weight (kg)
													外徑把握 O.D.Clamping	內徑把握 I.D.Clamping	
D15-08"	200	83	82.563	15	46	19	104.8	82	28	43	11	2000	ø8-ø180	ø62-ø170	17.8
D16-08"	200	83	106.375	16	58	22.2	133.4	82	28	43	11	2000	ø8-ø180	ø62-ø170	17.3
D16-10"	255	94	106.375	16	76	22.2	133.4	93	32	50	12	1800	ø11-ø240	ø70-ø230	31.3
D18-10"	255	94	139.719	18	76	25.4	171.4	93	32	50	12	1800	ø11-ø240	ø70-ø230	30.9
D18-12"	310	105	139.719	18	103	25.4	171.4	118	40	56	14	1800	ø15-ø300	ø90-ø290	51.1
D111-20"	500	135	196.869	--	190.5	30.2	235	140	55	84	19	1000	ø25-ø480	ø125-ø460	165.5

强力超薄型夾盤

1. 把手和盤面成30°角，旋轉操作更便利。
2. 薄型設計，可增加機械加工之容許長度。
3. 外徑成凸緣設計，裝卸容易。
4. 強力型設計可共用生爪。



1. The handle with an angle of 30 degrees is much convenient for operations.
2. The "super thin thickness" design of chucks increase the "allowable distance" of machining operations.
3. Chuck flange makes loading and unloading operations simpler and more convenient.
4. Hard jaws and Soft jaws can be used alternatively.

規格表 | SPECIFICATIONS | 單位: UNIT:mm

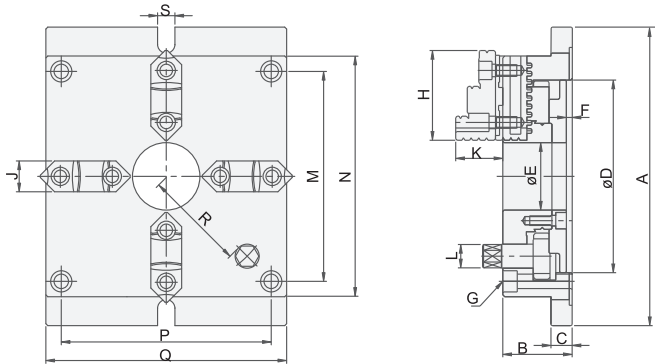
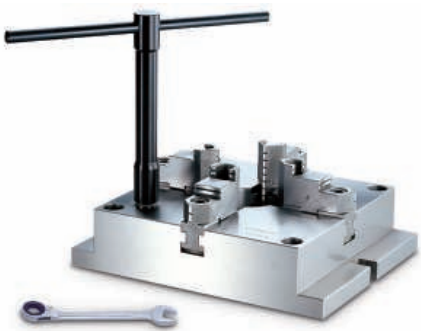
型式/規格 MODEL / SPEC.	A1	A2	B1	B2	C	D
NBK-06	220	170	58	18	130	147
NBK-08	270	210	65	20	155	172
NBK-10	315	255	73	20	190	210
NBK-12	370	305	80	22	250	285

型式/規格 MODEL / SPEC.	E	F	G	H	J	K
NBK-06	45	6	3-M10x1.5P	68	26	40
NBK-08	60	6	3-M10x1.5P	82	28	43
NBK-10	80	6	3-M12x1.75P	93	32	52
NBK-12	105	5	3-M12x1.75P	118	40	59

型式/規格 MODEL / SPEC.	L	M	把握範圍 Max.Gripping Diameter		淨重 Weight (kg)
			外徑把握 O.D.Clamping (mm)	內徑把握 I.D.Clamping (mm)	
NBK-06	10	13	ø8~ø160	ø48~ø150	10.6
NBK-08	11	13	ø11~ø200	ø62~ø190	18.1
NBK-10	12	16	ø12~ø250	ø72~ø240	27.9
NBK-12	14	18	ø15~ø300	ø86~ø290	42.9

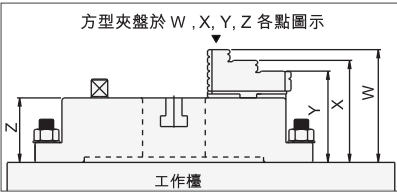
方型超薄夾盤

1. MC 均為定寸研磨方式；任何相同規格之方型夾盤 W ,X,Y,Z 各點之高度公差為0.05mm以內。
2. MC規格均可替換生爪,作不規則形狀之加工，以替代中心機大量治具，更經濟、方便。
3. 硬爪重複夾持之精度公差為0.02mm 以內。
4. 側邊平行校正後，硬爪夾持之平行公差為0.05mm以內。



1. MC chucks are precisely ground, the tolerances of W,X,Y,Z among chucks are within 0.05mm.
2. Soft jaws can be used alternatively for machining special shaped work pieces, to substitute for designing and making a lot of jigs for this purpose.
3. The repetitive gripping accuracy with the hard jaws are within 0.02mm.
4. Parallel gripping accuracy with hard jaws can be controlled within 0.05mm after aligning sides of chucks.

使用範例>Operation Example



規格表 | SPECIFICATIONS | 單位: UNIT:mm

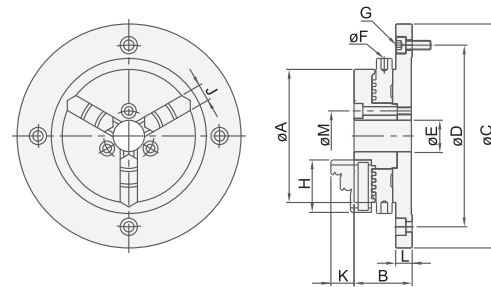
型式/規格 MODEL / SPEC.	A	B	C	D	E	F	G	H	J	K	L	M
MC-06	215	57	18	130	40	5.5	4-M10x1.5P	68	26	39	14	144
MC-08	250	65	20	160	55	6	4-M12x1.75P	82	28	43	17	174
MC-10	310	72	22	200	70	6	4-M14x2P	93	32	50	21	218
MC-12	380	85	25	260	100	7	4-M16x2P	118	40	56	23	274

型式/規格 MODEL / SPEC.	N	P	Q	R	S	把握範圍 Max.Gripping Diameter		淨重 Weight (kg)
						外徑把握 O.D.Clamping (mm)	內徑把握 I.D.Clamping (mm)	
MC-06	165	144	165	66	18	ø4-ø128	ø55-ø128	11.4
MC-08	200	174	200	83	18	ø5-ø162	ø62-ø162	18.6
MC-10	250	218	250	104	18	ø6-ø200	ø72-ø200	31.6
MC-12	310	274	310	135	22	ø10-ø265	ø90-ø265	56.6

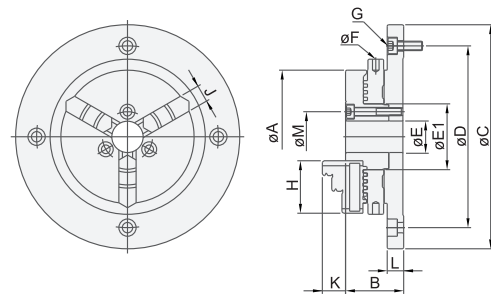
超薄型夾盤



- 1.輕、薄、短小的設計，適用於工件量測夾持。
- 2.直接轉動旋盤，免於使用板手旋轉干涉。
- 3.鋼製本體，耐用性甚佳。
- 4.夾爪正反夾持兩用設計，操作方便。
- 5.2"最小工件夾持0.8mm。



不銹鋼超薄型夾盤



1. By the compactness comes from " Light, Thin, Short, Small " designing concept; the chucks are most fitting to hold work pieces for measuring.
2. Just rotate the chuck knob directly for gripping and loosening, A handle is not necessary to be used.
3. Chuck body is made of very durable steel.
4. Jaws can be reversibly used; gripping of various sizes becomes much convenient.
5. 2" chucks can even grip up to the smallest size of 0.8mm.

規格表 SPECIFICATIONS 單位: UNIT:mm

型式/規格 MODEL / SPEC.	A	B	C	D	E	F	G	H
SE-02	63	28	118	100	16	4	4-M5x0.8P	27
SE-03	85	37	143	116	20	4	4-M6x1P	35
SE-04	110	39	168	140	26	5	4-M6x1P	42
SE-05	130	45	202	168	32	6	4-M8x1.25P	50
SE-06	160	52	248	208	50	8	4-M10x1.5P	65

型式/規格 MODEL / SPEC.	J	K	L	M	把握範圍 Max.Gripping Diameter		淨重 Weight (kg)
					外徑把握 O.D.Clamping (mm)	內徑把握 I.D.Clamping (mm)	
SE-02	8	13	8	26	ø0.8~ø63	ø23~ø58	1.2
SE-03	11	15	10.5	32	ø1~ø81	ø31~ø70	2.9
SE-04	14	19	10	40	ø1~ø100	ø36~ø90	4.3
SE-05	16	21	11.5	49	ø1.5~ø116	ø43~ø106	6.2
SE-06	19	26	15	70	ø1.5~ø160	ø52~ø148	11.1

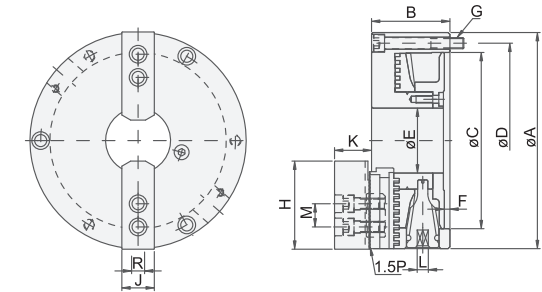
規格表 SPECIFICATIONS 單位: UNIT:mm

型式/規格 MODEL / SPEC.	A	B	C	D	E	E1	F	G	H	J	K	L	M	把握範圍 Max.Gripping Diameter		淨重 Weight (kg)
														外徑把握 O.D.Clamping (mm)	內徑把握 I.D.Clamping (mm)	
SE-04ST	110	39	168	140	26	51	5	4-M6x1P	42	14	19	10	40	ø1~ø100	ø36~ø90	4.3

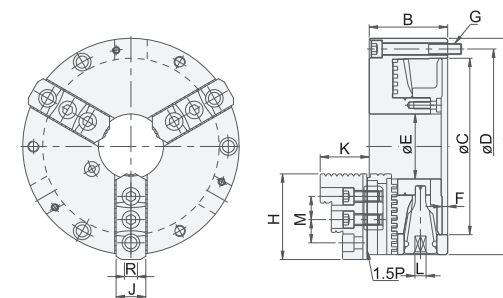
齒式二爪鋼殼夾頭



- 1.可替代修整油壓生爪成型盤。
- 2.爪仔可前後任意調整，加大夾持工件範圍。
- 3.生爪及硬爪與CNC車床油壓爪共用。
- 4.鋼殼結構於高速迴轉時安全性高，耐磨性強，使用壽命長。
- 5.轉動板手扭力較小操作順暢。
- 6.兩爪夾頭僅提供強力生爪。

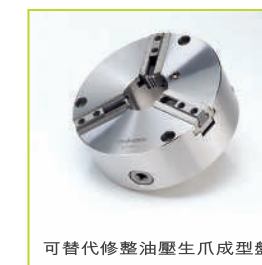


齒式三爪鋼殼夾頭



1. Can be used as a "Forming plate" for machining soft jaws.
2. Hard jaws and soft jaws can be adjusted just like on a power Chuck to increase the gripping range.
3. Hard jaws as well as Soft jaws are interchangeable with those of power chucks.
4. Chuck Body is made of steel to enhance safety operations for high speed machining.
5. The Chuck Handle can be operated easily and smoothly.
6. 2-jaw Steel Body only provide the powerful type soft jaws.

特點配合圖式說明>Illustrate



The chuck can be used as a "Forming plate" for machining soft jaws.



Top jaws can be adjusted back and forth easily, thus increasing gripping range.



Hard jaws are interchangeable with those of power chucks.



Soft jaws are interchangeable with those of power chucks.



Optional accessory: Mounting plate.

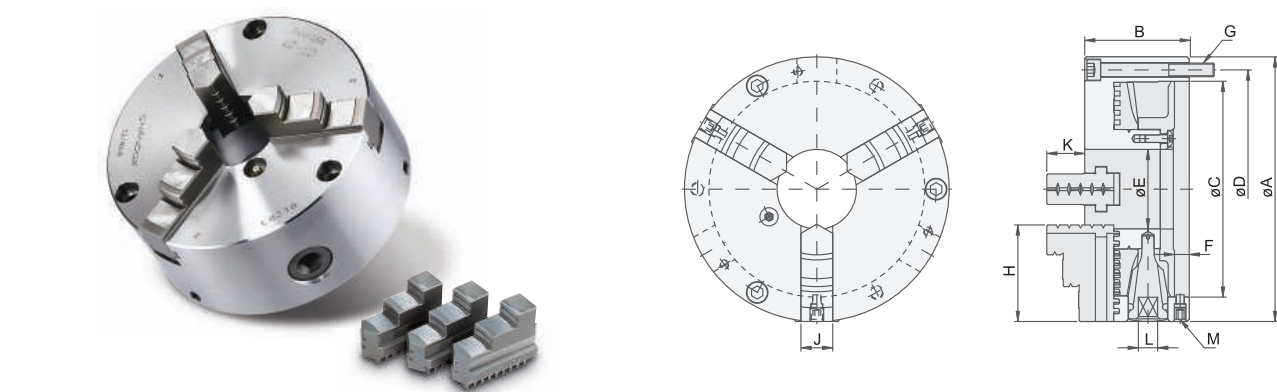
規格表 SPECIFICATIONS 單位: UNIT:mm

型式/規格 MODEL / SPEC.	A	B	C	D	E	F	G	H	J	K	L	M	R	最高轉速 Max. Speed r.p.m.(min ⁻¹)	把握範圍 Max.Gripping Diameter		淨重 Weight (kg)
															外徑把握 O.D.Clamping (mm)	內徑把握 I.D.Clamping (mm)	
TNT-07	193	78	155	172	58	5	3-M10x1.5P	73	31	38	11	20	12	3200	ø8~ø235	ø66~ø235	14.4
TNT-09	233	85	190	210	70	5.5	3-M12x1.75P	95	35	40	12	25	14	2800	ø11~ø280	ø85~ø280	22.3

型式/規格 MODEL / SPEC.	A	B	C	D	E	F	G	H	J	K	L	M	R	最高轉速 Max. Speed r.p.m.(min ⁻¹)	把握範圍 Max.Gripping Diameter		淨重 Weight (kg)
															外徑把握 O.D.Clamping (mm)	內徑把握 I.D.Clamping (mm)	
NT-07	193	78	155	172	58	5	3-M10x1.5P	78	28	46	11	20	12	3200	ø8~ø235	ø66~ø235	13.1
NT-09	233	85	190	210	70	5.5	3-M12x1.75P	92	32	52	12	25	14	2800	ø11~ø280	ø85~ø280	21.2
NT-10	275	91	230	250	89	5.5	3-M12x1.75P	101.5	37	56	12	30	16	2400	ø12~ø330	ø92~ø330	30.5
NT-12	310	104	260	285	105	7	3-M12x1.75P	116	47	67	14	30	21	2100	ø15~ø370	ø104~ø370	46.1

規格表 SPECIFICATIONS 單位: UNIT:mm

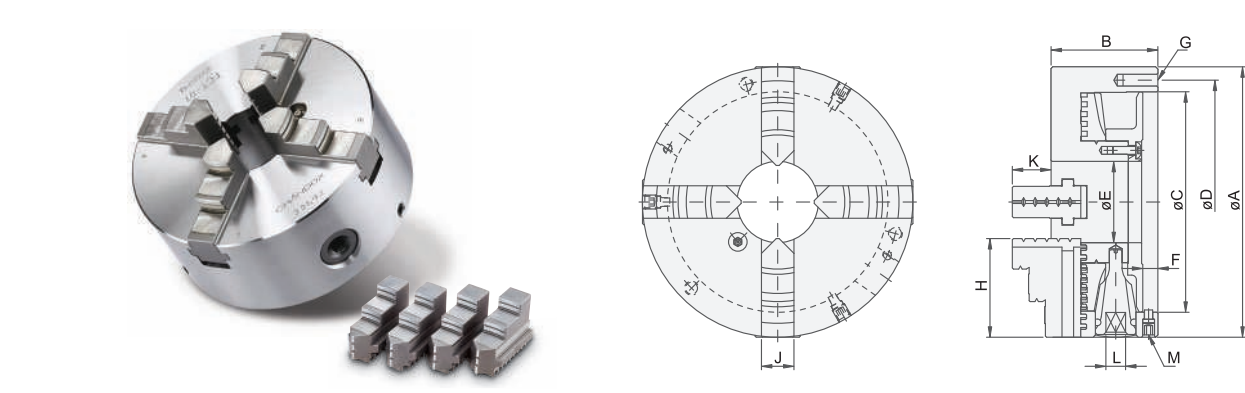
可調試普通型三爪鋼殼夾頭



規格表 SPECIFICATIONS 單位: UNIT:mm

型式/規格 MODEL / SPEC.	A	B	C	D	E	F	G	H	J	K	L	M	最高回轉速 Max.Speed r.p.m.(min ⁻¹)	把握範圍 Max. Gripping Diameter		淨重 Weight (kg)
														外徑把握 O.D.Clamping	內徑把握 I.D.Clamping	
CT-06	167	75.5	130	147	45	12	3-M10x1.5P	65	22	28	10	3-M12x1.75P	4000	ø4~ø160	ø48~ø150	10.4
CT-07	193	85	155	172	58	12	3-M10x1.5P	75	24	28.5	11	3-M12x1.75P	3500	ø4~ø180	ø56~ø170	12.9
CT-09	233	92	190	210	70	12.5	3-M12x1.75P	85	28	33	12	3-M12x1.75P	2900	ø5~ø220	ø62~ø210	20.4
CT-10	275	98	230	250	89	12.5	3-M12x1.75P	98	30	38	12	3-M12x1.75P	2500	ø6~ø260	ø70~ø250	29.3
CT-12	310	111	260	285	105	14	3-M12x1.75P	110	32	45	14	3-M12x1.75P	2200	ø10~ø300	ø86~ø290	43.7

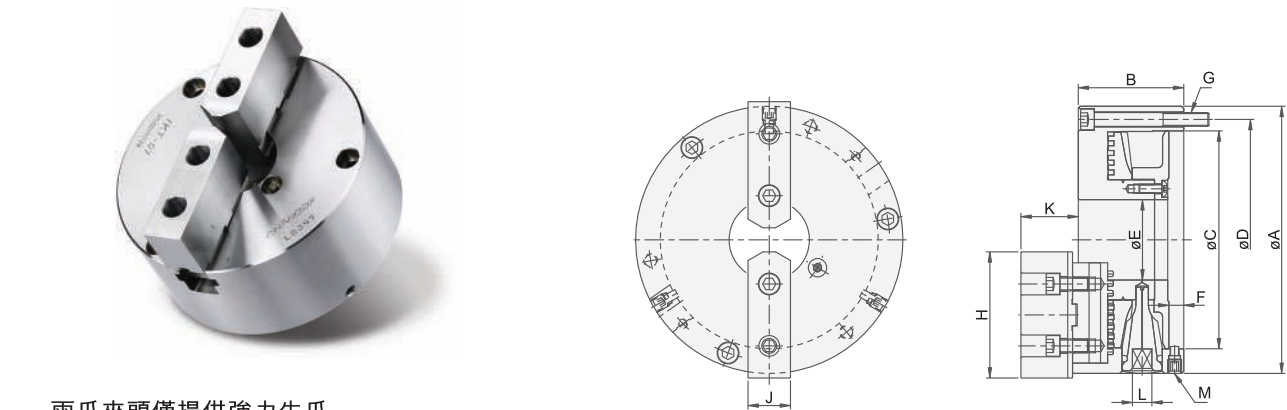
可調試普通型四爪鋼殼夾頭



規格表 SPECIFICATIONS 單位: UNIT:mm

型式/規格 MODEL / SPEC.	A	B	C	D	E	F	G	H	J	K	L	M	最高回轉速 Max.Speed r.p.m.(min ⁻¹)	把握範圍 Max. Gripping Diameter		淨重 Weight (kg)
														外徑把握 O.D.Clamping	內徑把握 I.D.Clamping	
FCT-07	193	85	155	172	58	12	3-M10x1.5P	75	24	28.5	11	3-M12x1.75P	3500	ø4~ø180	ø56~ø170	13.2
FCT-09	233	92	190	210	70	12.5	3-M12x1.75P	85	28	33	12	3-M12x1.75P	2900	ø5~ø220	ø62~ø210	20.7
FCT-10	275	98	230	250	89	12.5	3-M12x1.75P	98	30	38	12	3-M12x1.75P	2500	ø6~ø260	ø70~ø250	29.8
FCT-12	310	111	260	285	105	14	3-M12x1.75P	110	32	45	14	3-M12x1.75P	2200	ø10~ø300	ø86~ø290	44.4

可調試強力型二爪鋼殼夾頭

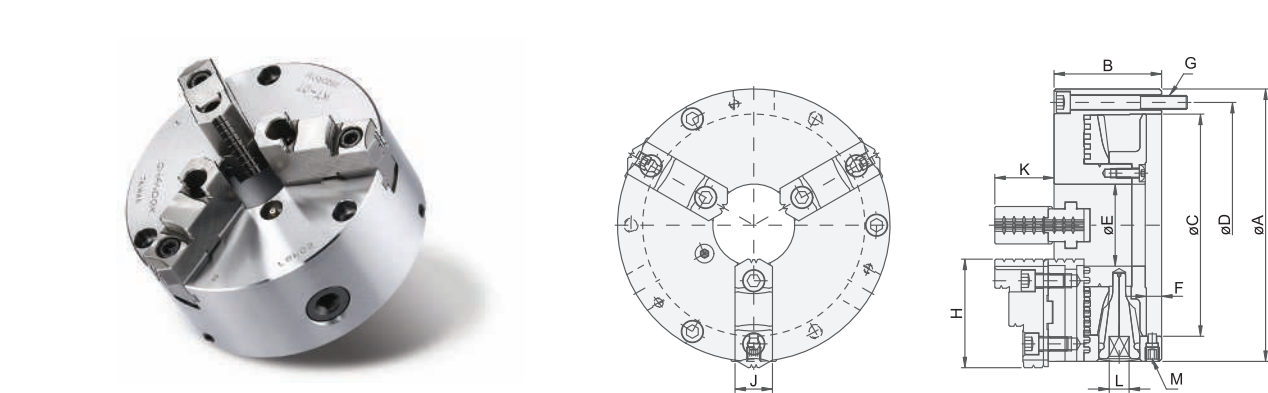


兩爪夾頭僅提供強力生爪。
2-jaw Steel Body only provide the powerful type
soft jaws.

規格表 SPECIFICATIONS 單位: UNIT:mm

型式/規格 MODEL / SPEC.	A	B	C	D	E	F	G	H	J	K	L	M	最高回轉速 Max.Speed r.p.m.(min ⁻¹)	把握範圍 Max. Gripping Diameter		淨重 Weight (kg)
														外徑把握 O.D.Clamping	內徑把握 I.D.Clamping	
TKT-07	193	85	155	172	58	12	3-M10x1.5P	95	31	49.5	11	3-M12x1.75P	3500	ø10~ø180	ø70~ø170	14.6
TKT-09	233	92	190	210	70	12.5	3-M12x1.75P	110	37	50	12	3-M12x1.75P	2900	ø12~ø220	ø80~ø210	22.4

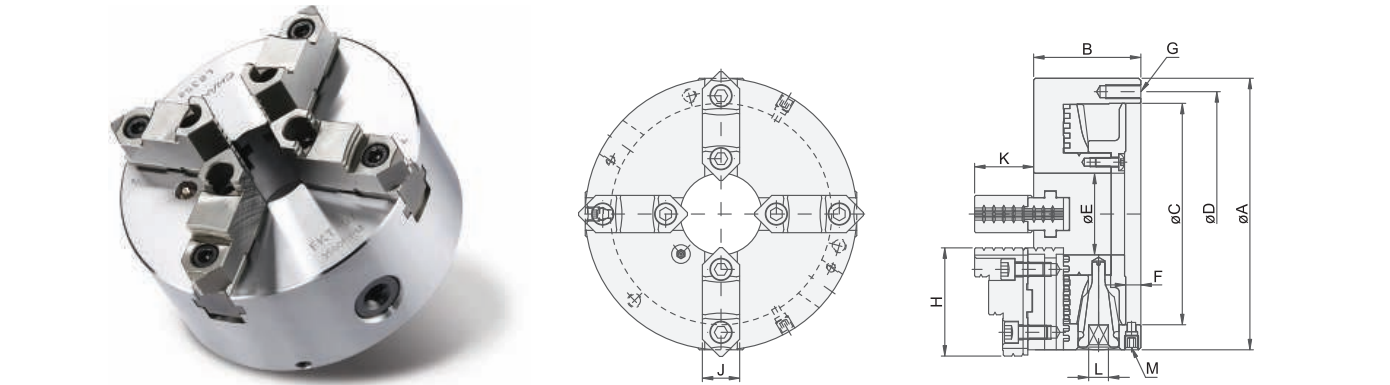
可調試強力型三爪鋼殼夾頭



規格表 SPECIFICATIONS 單位: UNIT:mm

型式/規格 MODEL / SPEC.	A	B	C	D	E	F	G	H	J	K	L	M	最高回轉速 Max.Speed r.p.m.(min ⁻¹)	把握範圍 Max. Gripping Diameter		淨重 Weight (kg)
														外徑把握 O.D.Clamping	內徑把握 I.D.Clamping	
KT-06	167	75.5	130	147	45	12	3-M10x1.5P	68	26	39	10	3-M12x1.75P	4000	ø8~ø160	ø55~ø150	9.7
KT-07	193	85	155	172	58	12	3-M10x1.5P	82	28	43	11	3-M12x1.75P	3500	ø8~ø180	ø62~ø170	13.6
KT-09	233	92	190	210	70	12.5	3-M12x1.75P	93	32	51	12	3-M12x1.75P	2900	ø11~ø220	ø70~ø210	21.5
KT-10	275	98	230	250	89	12.5	3-M12x1.75P	102	35	54	12	3-M12x1.75P	2500	ø12~ø260	ø80~ø250	30.4
KT-12	310	111	260	285	105	14	3-M12x1.75P	118	40	58	14	3-M12x1.75P	2200	ø15~ø300	ø90~ø290	45.4

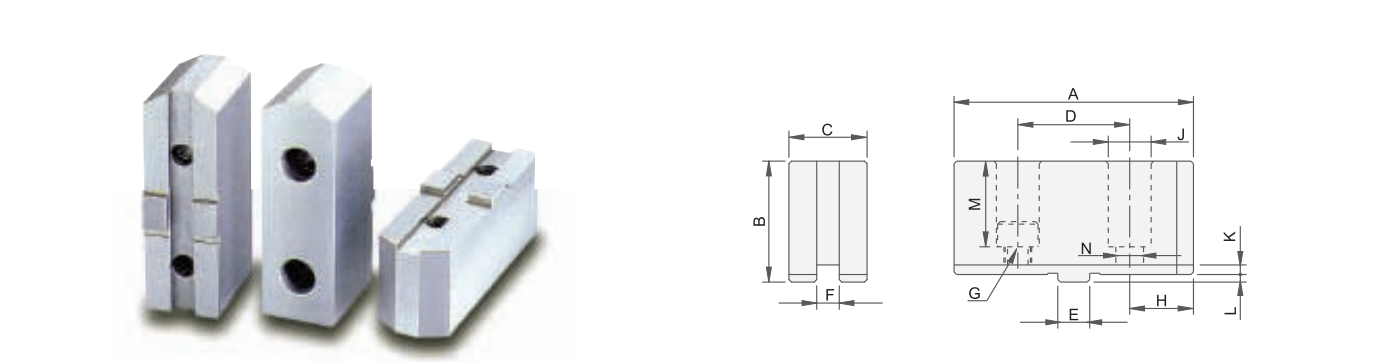
可調試強力型四爪鋼殼夾頭



規格表 SPECIFICATIONS 單位: UNIT:mm

型式/規格 MODEL / SPEC.	A	B	C	D	E	F	G	H	J	K	L	M	最高回轉速 Max.Speed r.p.m.(min ⁻¹)	把握範圍 Max. Gripping Diameter		淨重 Weight (kg)
														外徑把握 O.D.Clamping	內徑把握 I.D.Clamping	
FKT-07	193	85	155	172	58	12	3-M10x1.5P	82	28	43	11	3-M12x1.75P	3500	ø8~ø180	ø62~ø170	14.1
FKT-09	233	92	190	210	70	12.5	3-M12x1.75P	93	32	51	12	3-M12x1.75P	2900	ø11~ø220	ø70~ø210	22
FKT-10	275	98	230	250	89	12.5	3-M12x1.75P	102	35	54	12	3-M12x1.75P	2500	ø12~ø260	ø80~ø250	33.5
FKT-12	310	111	260	285	105	14	3-M12x1.75P	118	40	58	14	3-M12x1.75P	2200	ø15~ø300	ø90~ø290	46.1

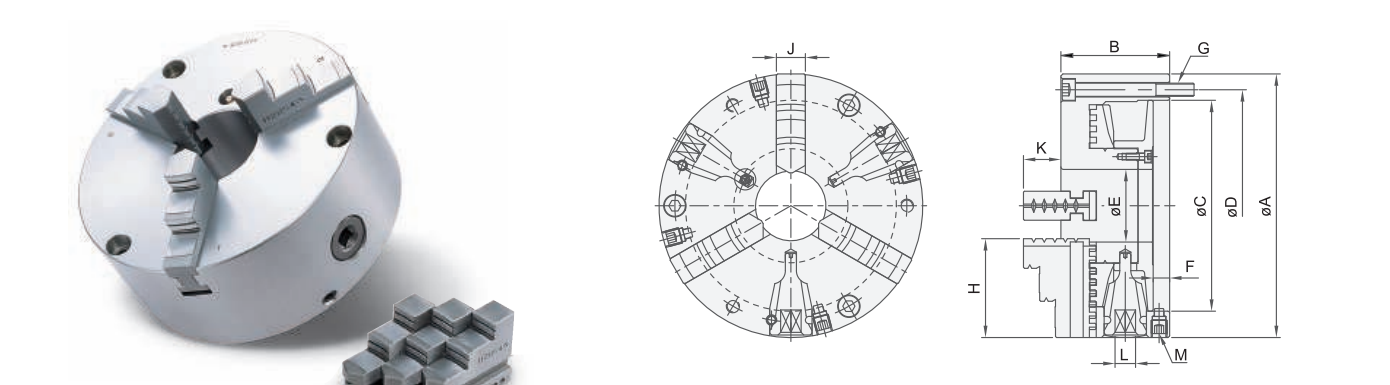
強力生爪



規格表 SPECIFICATIONS 單位: UNIT:mm

型式/規格 MODEL / SPEC.	A	B	C	D	E	F	G	H	J	K	L	M	N	淨重 Weight (kg)
SO04Jaw	52	30	19	24	9.53	7.94	M6x1P	14	11	3	2.5	21	7	0.45
SO05Jaw	62	35	24	32	12.68	7.94	M8x1.25P	15	14	3.5	3	24	9	0.9
SO06Jaw	73	37	26	38.1	12.68	7.94	M8x1.25P	17.45	14	3.5	3	25	9	1.3
SO07Jaw	95	48	31	44.4	12.68	7.94	M10x1.5P	25.3	17	3.8	3	34	11	2.6
SO09Jaw	110	48	37	54	19.03	12.7	M12x1.75P	28	19	4.2	3	34	13	3.6
SO12Jaw	125	54	42	63.5	19.03	12.7	M12x1.75P	30.75	19	4.2	3	38	13	5.5
SO16Jaw	160	70	50	76.2	19.03	12.7	M16x2P	41.9	25	5.5	6	48	17	10.4
SO20Jaw	160	80	55	76.2	19.03	12.7	M20x2.5P	41.9	32	5.5	6	58	21	--
SO25Jaw	160	80	75	76.2	19.03	12.7	M20x2.5P	41.9	32	5.5	6	58	21	--

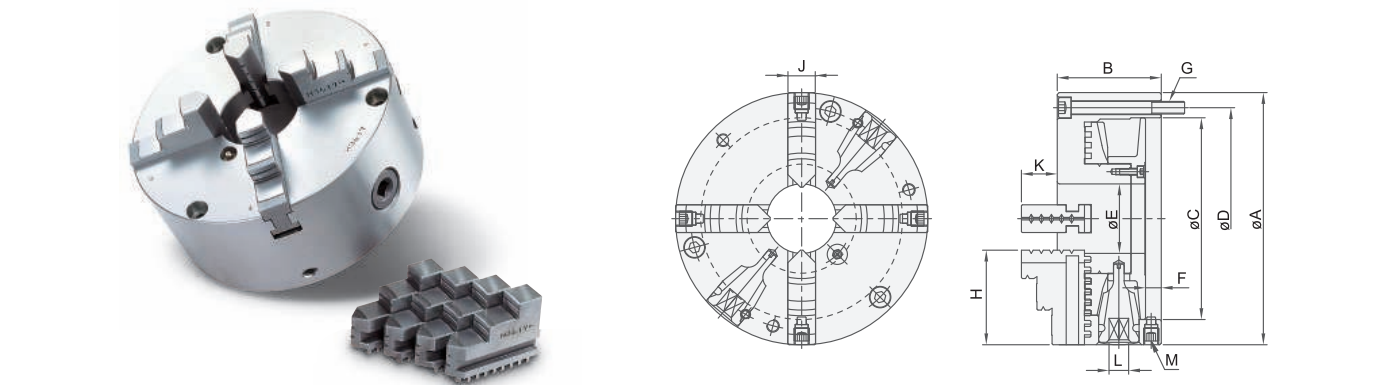
可調試普通型三爪鋼殼夾頭



規格表 SPECIFICATIONS 單位: UNIT:mm

型式/規格 MODEL / SPEC.	A	B	C	D	E	F	G	H	J	K	M	L	最高回轉速 Max.Speed r.p.m.(min ⁻¹)	把握範圍 Max. Gripping Diameter	
														外徑把握 O.D.Clamping	內徑把握 I.D.Clamping
3DACT-04	100	60	70	83	20	10	3-M8×1.25P	42	14	17	4-M8×1.25P	8	5200	ø3-ø95	ø30-ø83
3DACT-05	125	65	95	108	32	10.5	3-M8×1.25P	50	16	20	4-M10×1.5P	8	4800	ø3-ø122	ø35-ø111
3DACT-06	160	72.5	125	140	42	12	3-M10×1.5P	65	19	23	4-M12×1.75P	10	4200	ø4-ø160	ø46-ø155
3DACT-08	200	82.5	160	176	55	12	3-M10×1.5P	75	22	28	4-M12×1.75P	11	3500	ø4-ø197	ø51-ø184
3DACT-10	250	91	200	224	76	13	3-M12×1.75P	98	28	38.5	4-M12×1.75P	12	2600	ø6-ø267	ø70-ø252
3DACT-12	315	103	260	286	103	14	3-M16×2P	110	30	44.5	4-M12×1.75P	14	2200	ø10-ø325	ø81-ø308
3DACT-15	400	122	330	362	136	15	3-M16×2P	146	40	56	4-M12×1.75P	17	1600	ø14-ø428	ø106-ø410

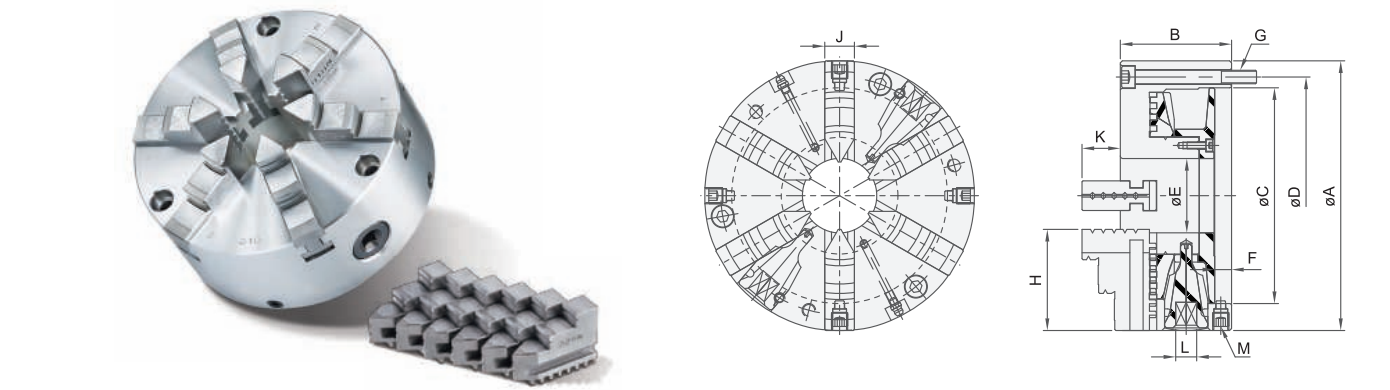
可調試普通型四爪鋼殼夾頭



規格表 SPECIFICATIONS 單位: UNIT:mm

型式/規格 MODEL / SPEC.	A	B	C	D	E	F	G	H	J	K	M	L	最高回轉速 Max.Speed r.p.m.(min ⁻¹)	把握範圍 Max. Gripping Diameter	
														外徑把握 O.D.Clamping	內徑把握 I.D.Clamping
4DACT-08	200	82.5	160	176	55	12	3-M10×1.5P	75	22	28	4-M12×1.75P	11	3500	ø4-ø197	ø51-ø184
4DACT-10	250	91	200	224	76	13	3-M12×1.75P	98	28	38.5	4-M12×1.75P	12	2600	ø6-ø265	ø70-ø250
4DACT-12	315	103	260	286	103	14	3-M16×2P	110	30	44.5	4-M12×1.75P	14	2200	ø10-ø325	ø81-ø308
4DACT-15	400	122	330	362	136	15	3-M16×2P	146	40	56	4-M12×1.75P	17	1600	ø14-ø408	ø106-ø389

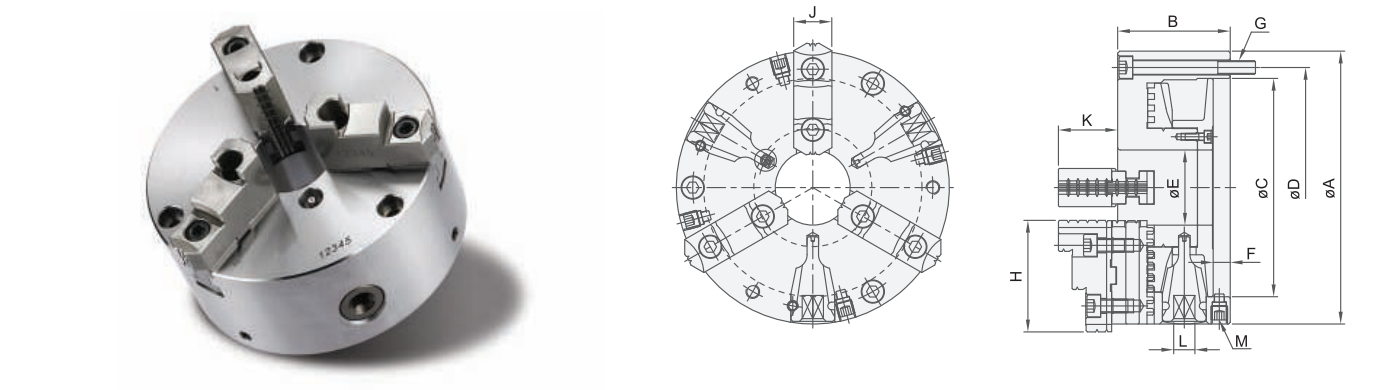
可調試普通型六爪鋼殼夾頭



規格表 SPECIFICATIONS 單位: UNIT:mm

型式/規格 MODEL / SPEC.	A	B	C	D	E	G	F	H	J	K	L	M	最高回轉速 Max.Speed r.p.m.(min ⁻¹)	把握範圍 Max. Gripping Diameter	
														外徑把握 O.D.Clamping	內徑把握 I.D.Clamping
6DACT-08	200	82.5	160	176	55	3-M10×1.5P	12	75	22	28	11	4-M12×1.75P	2900	ø4-ø183	ø51-ø170
6DACT-10	250	91	200	224	76	3-M12×1.75P	13	98	28	38.5	12	4-M12×1.75P	2200	ø6-ø249	ø70-ø233
6DACT-12	315	103	260	286	103	3-M16×2P	14	110	30	44.5	14	4-M12×1.75P	1800	ø10-ø305	ø81-ø288
6DACT-15	400	122	330	362	136	3-M16×2P	15	146	40	56	17	4-M12×1.75P	1300	ø14-ø406	ø105-ø387

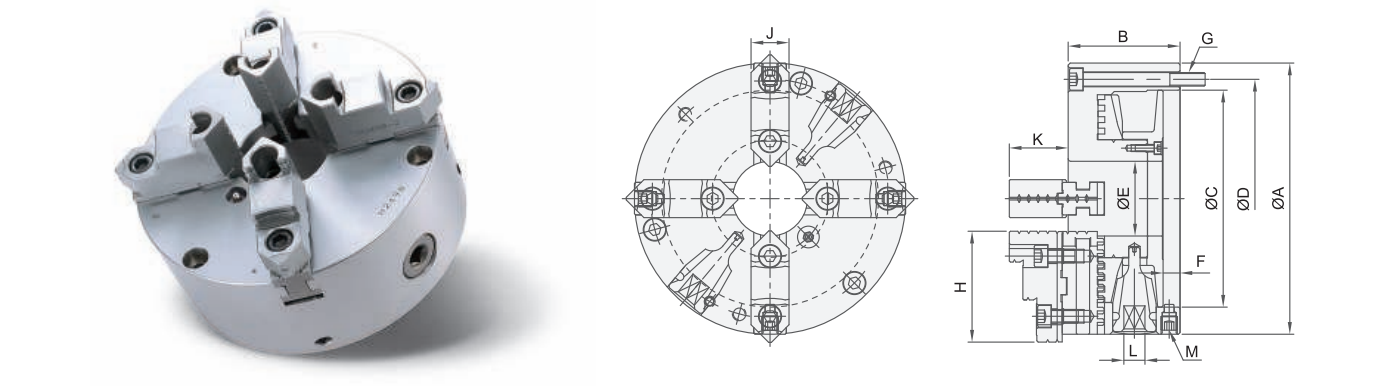
可調試強力型三爪鋼殼夾頭



規格表 SPECIFICATIONS 單位: UNIT:mm

型式/規格 MODEL / SPEC.	A	B	C	D	E	G	F	H	J	K	L	M	最高回轉速 Max.Speed r.p.m.(min ⁻¹)	把握範圍 Max. Gripping Diameter	
														外徑把握 O.D.Clamping	內徑把握 I.D.Clamping
3DAKT-05	125	65	95	108	32	3-M8×1.25P	10.5	57	24	36	8	4-M10×1.5P	4800	ø3-ø121	ø44-ø120
3DAKT-06	160	72.5	125	140	42	3-M10×1.5P	12	68	26	38.5	10	4-M12×1.75P	4200	ø8-ø169	ø50-ø158
3DAKT-08	200	82.5	160	176	55	3-M10×1.5P	12	82	28	43	11	4-M12×1.75P	3500	ø8-ø206	ø58-ø191
3DAKT-10	250	91	200	224	76	3-M12×1.75P	13	102	35	54.5	12	4-M12×1.75P	2600	ø12-ø266	ø77-ø250
3DAKT-12	315	103	260	286	103	3-M16×2P	14	117.5	40	56.5	14	4-M12×1.75P	2200	ø15-ø340	ø85-ø313
3DAKT-15	400	122	330	362	136	3-M16×2P	15	150	50	74.5	17	4-M12×1.75P	1600	ø30-ø440	ø123-ø416

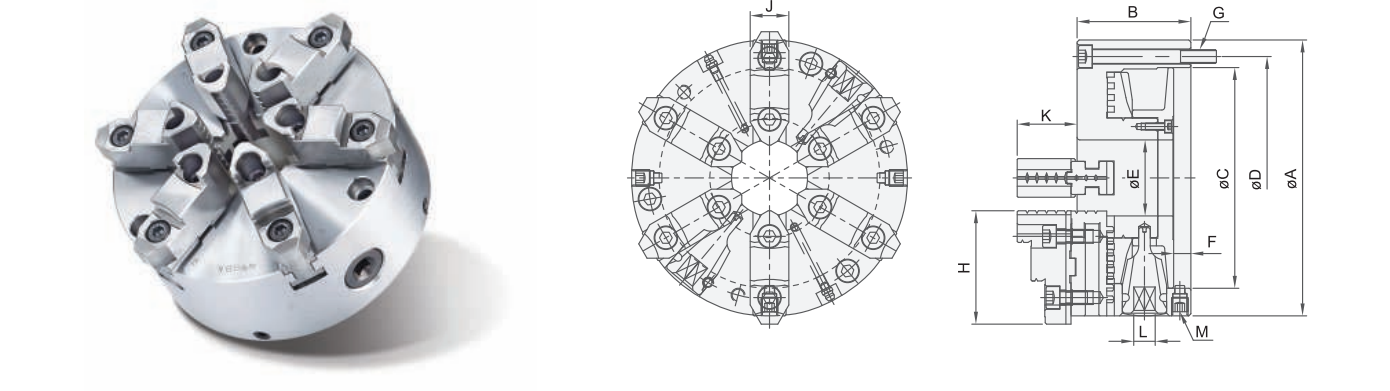
可調試強力型四爪鋼殼夾頭



規格表 SPECIFICATIONS 單位: UNIT:mm

型式/規格 MODEL / SPEC.	A	B	C	D	E	G	F	H	J	K	L	M	最高回轉速 Max.Speed r.p.m.(min ⁻¹)	把握範圍 Max. Gripping Diameter	
														外徑把握 O.D.Clamping	內徑把握 I.D.Clamping
4DAKT-08	200	82.5	160	176	55	3-M10×1.5P	12	82	28	43	11	4-M12×1.75P	3500	ø8-ø205	ø59-ø190
4DAKT-10	250	91	200	224	76	3-M12×1.75P	13	102	35	54.5	12	4-M12×1.75P	2600	ø12-ø265	ø78-ø249
4DAKT-12	315	103	260	286	103	3-M16×2P	14	117.5	40	56.5	14	4-M12×1.75P	2200	ø15-ø323	ø86-ø296
4DAKT-15	400	122	330	362	136	3-M16×2P	15	150	50	74.5	17	4-M12×1.75P	1600	ø30-ø419	ø124-ø396

可調試強力型六爪鋼殼夾頭



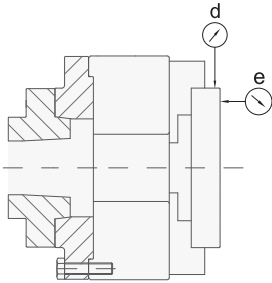
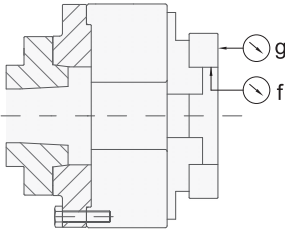
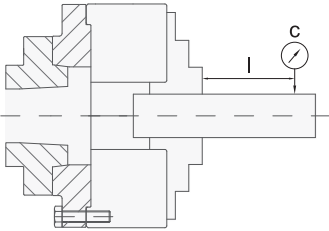
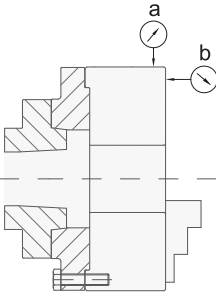
規格表 SPECIFICATIONS 單位: UNIT:mm

型式/規格 MODEL / SPEC.	A	B	C	D	E	G	F	H	J	K	L	M	最高回轉速 Max.Speed r.p.m.(min ⁻¹)	把握範圍 Max. Gripping Diameter	
														外徑把握 O.D.Clamping	內徑把握 I.D.Clamping
6DAKT-08	200	82.5	160	176	55	3-M10×1.5P	12	82	28	43	11	4-M12×1.75P	2900	ø17-ø193	ø67-ø178
6DAKT-10	250	91	200	224	76	3-M12×1.75P	13	102	35	54.5	12	4-M12×1.75P	2200	ø19-ø248	ø84-ø232
6DAKT-12	315	103	260	286	103	3-M16×2P	14	117.5	40	56.5	14	4-M12×1.75P	1800	ø23-ø323	ø93-ø296
6DAKT-15	400	122	330	362	136	3-M16×2P	15	150	50	74.5	17	4-M12×1.75P	1300	ø30-ø419	ø124-ø396

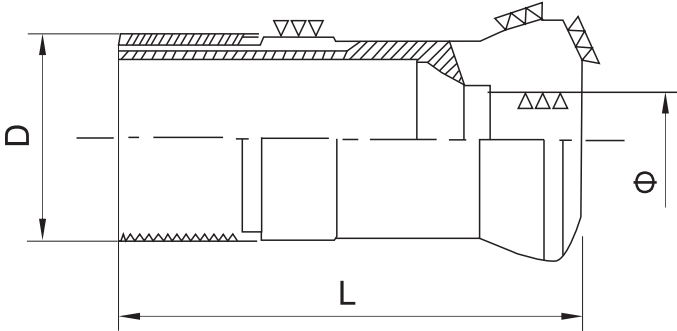
手動夾頭精度檢查標準
THE INSTALLATION AND CLAMPING PRECISION STANDARD

尺寸 SIZE	型式 MODEL	本體偏擺 Radical & Axial Runout		板手孔位 Pinion Arrow Position	校正圓棒偏擺 Gripped Test-Bar Runout					
		a	b		l	c	d	e	f	g
3"		0.02		標準孔 Master Pinion 任意孔 Other Than Master Pinion	38	0.03 0.05	0.05 0.05	0.02	0.05 0.05	0.02
4"		0.02								
5"		0.02								
6"		0.02								
7"		0.02			50	0.03 0.05	0.04 0.05	0.02	0.04 0.05	0.02
8"		0.02								
9"		0.02								
10"		0.02								
12"		0.02			75	0.05 0.05	0.05 0.05	0.03	0.05 0.05	0.03
14"		0.02								
16"		0.02								
20"		0.02								
25"		0.02			100	0.05 0.08	0.1		0.1	
					125					

尺寸 SIZE	型式 MODEL	校正圓棒 (mm) Dia. of Test Bar			校正圓環 Test Ring(mm)		
					內徑 Inner Dia.	外徑 Outer Dia.	厚度 Thickness
3"		8	10	--	30	60	20
4"		10	20	--	55	90	20
5"		10	20	30	60	100	20
6"		20	30	40	75	125	30
7"		20	30	40	85	150	30
8"		20	30	40	85	150	30
9"		30	40	50	110	175	30
10"		30	40	50	135	215	30
12"		40	50	70	150	235	40
14"		40	50	70	170	270	40
16"		40	50	70	180	310	40
20"		75	100	120	275	365	40
25"		160	168	182	380	420	40

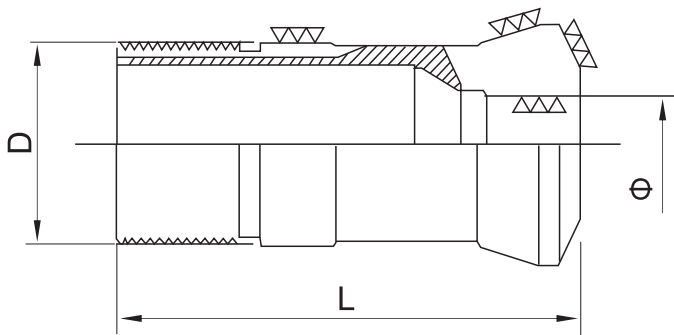


走心機導套系列--01



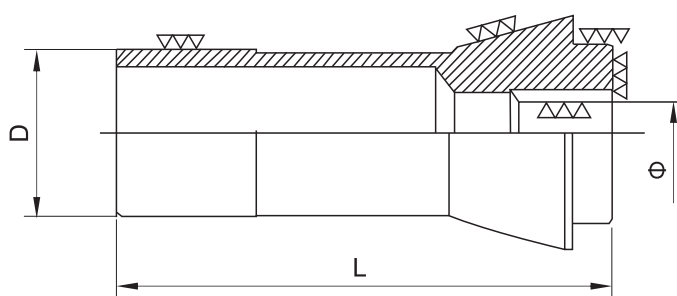
廠型	適用機種	Φ DMM	Lmm	最大夾持能力 Φ	筒夾種類
NOMURA P8# 野村	NSP8410 NSP8420 王主	Φ14.0	60.5	Φ8.0	超硬合金
NOMURA P10# 野村	NSP1053 津上BO12 王主	Φ16.0	63	Φ10.0	超硬合金
NOMURA P16# 野村	NSP1653 津上BO12 王主	Φ22.0	70.5	Φ16.0	超硬合金
NOMURA P20# 野村	NH-20KF	Φ30.0	67.5	Φ20.0	超硬合金
NOMURA P25# 野村	NH-25K NHC-P2553	Φ36.0	89	Φ25.0	超硬合金
TSUGAMIL 7# 津上	T7 B007 BM07	Φ11.0	53	Φ7.0	超硬合金
TSUGAMI L-10# 津上	L-10 NP-11 NT-11	Φ15.0	54	Φ10.0	超硬合金
TSUGAMI NP17# 津上	NP17 NT17 NP16 NT16	Φ23.0	72	Φ17.0	超硬合金
TSUGAMI S-20# 津上	BO18 S20 BS18	Φ30.0	70	Φ20.0	超硬合金
TSUGAMI S-25# 津上	BS26 S25 韓華26#	Φ34.0	87.5	Φ25.0	超硬合金
CITIZEN B-12# 西鐵城	B-12 津上BO12 韓華12#	Φ18.0	60	Φ12.0	超硬合金
CITIZEN SB16# 西鐵城	L16 L20 F16 F20	Φ22.0	70.5	Φ16.0	超硬合金
CITIZEN BL-20# 西鐵城	BL20	Φ30.0	59	Φ20.0	超硬合金
CITIZEN F-25# 西鐵城	L25 F25 E25	Φ34.0	87.5	Φ25.0	超硬合金
CITIZEN VNC-32# 西鐵城	VNC-32# 綺鋒	Φ42.0	82	Φ30.0	超硬合金
STAR SJ-8R 星牌	SJ-8R	Φ14.0	34	Φ8.0	超硬合金
STAR SNC10# 星牌	JNC10 SNC10 RNC10	Φ16.0	59	Φ10.0	超硬合金
STAR SE-12# 星牌	S13 VNC12 SJ15	Φ21.0	57.5	Φ14.0	超硬合金
STAR RNC-16# 星牌	RNC16 SE16 SH16 SR16	Φ22.0	68	Φ16.0	超硬合金
STAR JNC-16# 星牌	JNC20 SR20 VNC20 SV20	Φ30.0	59	Φ20.0	超硬合金
STAR JNC-32# 星牌	JNC32 JNC25 KNC25 KNC32	Φ42.0	82	Φ32.0	超硬合金

走心機導套系列--02



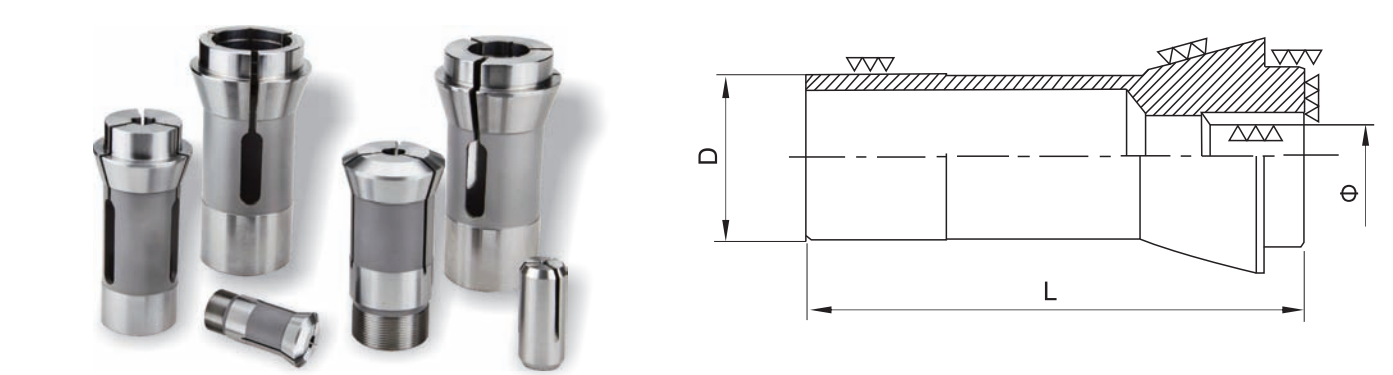
廠型	適用機種	Φ DMM	Lmm	最大夾持能力 Φ	筒夾種類
TORNOS M7	M7 MS7	Φ 11.0	52	Φ 7.0	超硬合金
TORNOS R-10	R10 M10 DECO2000-10	Φ 16.0	60	Φ 10.0	超硬合金
TORNOS R-16	R16	Φ 22.0	68	Φ 16.0	超硬合金
TORNOS RR-20	ENC163 DECO2000-20 韓華20#	Φ 28.0	81	Φ 20.0	超硬合金
TORNOS MR-32	MR-32	Φ 44.0	87.5	Φ 30.0	超硬合金
DECO2000-13/16	ENC162	Φ 24.0	61	Φ 16.0	超硬合金

走心機夾頭系列--01



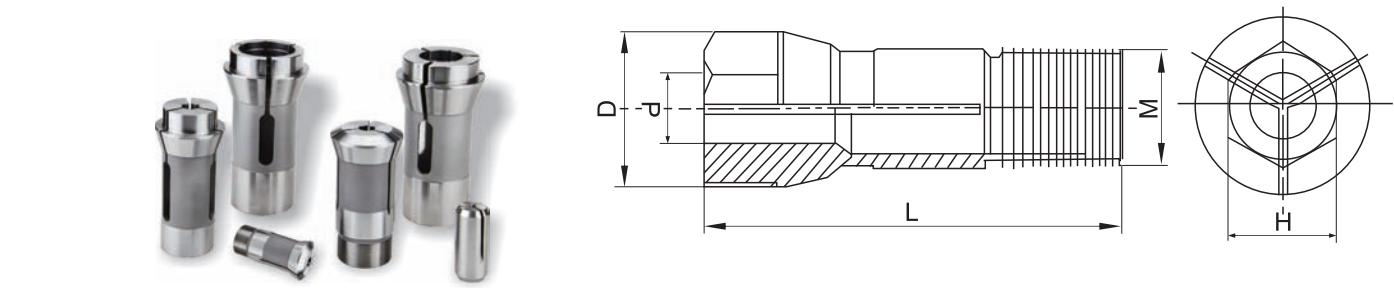
廠型	適用機種	Φ DMM	Lmm	最大夾持能力 Φ	筒夾種類
NOMURA P8# 野村	NSP8410 NSP8420 王主	Φ 12.0	58	Φ 8.0	鋼/超硬合金
NOMURA P10# 野村	NSP1053 津上BO12 王主	Φ 16.0	50.5	Φ 10.0	鋼/超硬合金
NOMURA P16# 野村	NSP1653 津上BO12 王主	Φ 20.0	67	Φ 16.0	鋼/超硬合金
NOMURA P20# 野村	NH-20KF	Φ 26.0	67	Φ 20.0	鋼/超硬合金
NOMURA P25# 野村	NH-25K NHC-P2553	Φ 32.0	84.5	Φ 25.0	鋼/超硬合金
TSUGAMIL 7# 津上	T7 B007 BM07	Φ 10.0	46	Φ 7.0	鋼/超硬合金
TSUGAMI L-10# 津上	L-10 NP-11NT-11	Φ 14.0	47	Φ 10.0	鋼/超硬合金
TSUGAMI NP17# 津上	NP17 NT17 NP16 NT16	Φ 23.8	62	Φ 17.0	鋼/超硬合金
TSUGAMI BS-20# 津上(BO18)A軸	BO18 S20 BS18	Φ 28.0	77	Φ 20.0	鋼/超硬合金
TSUGAMI BS-20# 津上(BO18)A軸	BO18 S20 BS18	Φ 25.0	77	Φ 20.0	鋼/超硬合金
TSUGAI BS-26# A軸	BS26 S-25	Φ 33.0	80	Φ 25.0	鋼/超硬合金
TSUGAI BS-26# B軸	BS26 S-25	Φ 30.0	80	Φ 25.0	鋼/超硬合金
CITIZEN B-12# 西鐵城	B-12 津上BO12 韓華12#	Φ 16.0	62	Φ 12.0	鋼/超硬合金
CITIZEN SB-16# 西鐵城	L16 L20 F16 F20	Φ 20.0	67	Φ 16.0	鋼/超硬合金
CITIZEN BL-20# 西鐵城	BL20	Φ 33.0	100	Φ 25.0	鋼/超硬合金
CITIZEN L-20# 西鐵城	L20 M16 G20 E20	Φ 26.0	67	Φ 20.0	鋼/超硬合金
CITIZEN F-25# 西鐵城	L25 F25 E25	Φ 30.0	78	Φ 25.0	鋼/超硬合金
CITIZEN VNC-32# 西鐵城	VNC-32# 綺鋒	Φ 37.0	92	Φ 30.0	鋼/超硬合金
STAR SJ-8R 星牌	SJ-8R	Φ 12.0	51	Φ 8.0	鋼/超硬合金
STAR SNC10# 星牌	JNC10 SNC10 RNC10	Φ 15.0	64	Φ 10.0	鋼/超硬合金
STAR SE-12# 星牌	S13 VNC12 SJ15	Φ 18.0	67	Φ 14.0	鋼/超硬合金

走心機夾頭系列--02



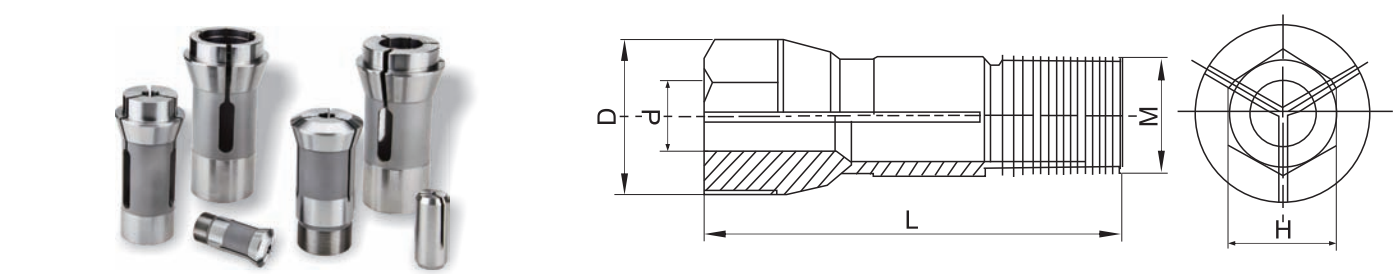
廠型	適用機種	Φ DMM	Lmm	最大夾持能力 Φ	筒夾種類
STAR RNC-16# 星牌	RNG16 SE16 SH16 SR16	Φ20.0	67	Φ16.0	鋼/超硬合金
STAR JNC-16# 星牌	JNC20 SR20 VNC20 SV20	Φ26.0	67	Φ20.0	鋼/超硬合金
STAR JNC-32#星牌	JNC32 JNC25 KNC25 KNC32	Φ37.0	92	Φ32.0	鋼/超硬合金
TORNOS M7	M7 M57	Φ10.0	45	Φ7.0	鋼/超硬合金
TORNOS R-10	R10 M10 DECO2000-10	Φ15.0	64	Φ10.0	鋼/超硬合金
TORNOS R-15	R16	Φ20.0	67	Φ16.0	鋼/超硬合金
TORNOS RR-20	ENC163 DECD 2000-20 韓華20#	Φ25.0	77	Φ20.0	鋼/超硬合金
TORNOS MR-32	MR-32	Φ37.0	92	Φ30.0	鋼/超硬合金
DECD2000-13/16	ENC162	Φ20.0	54	Φ16.0	鋼/超硬合金

攻牙機夾頭



鑽孔

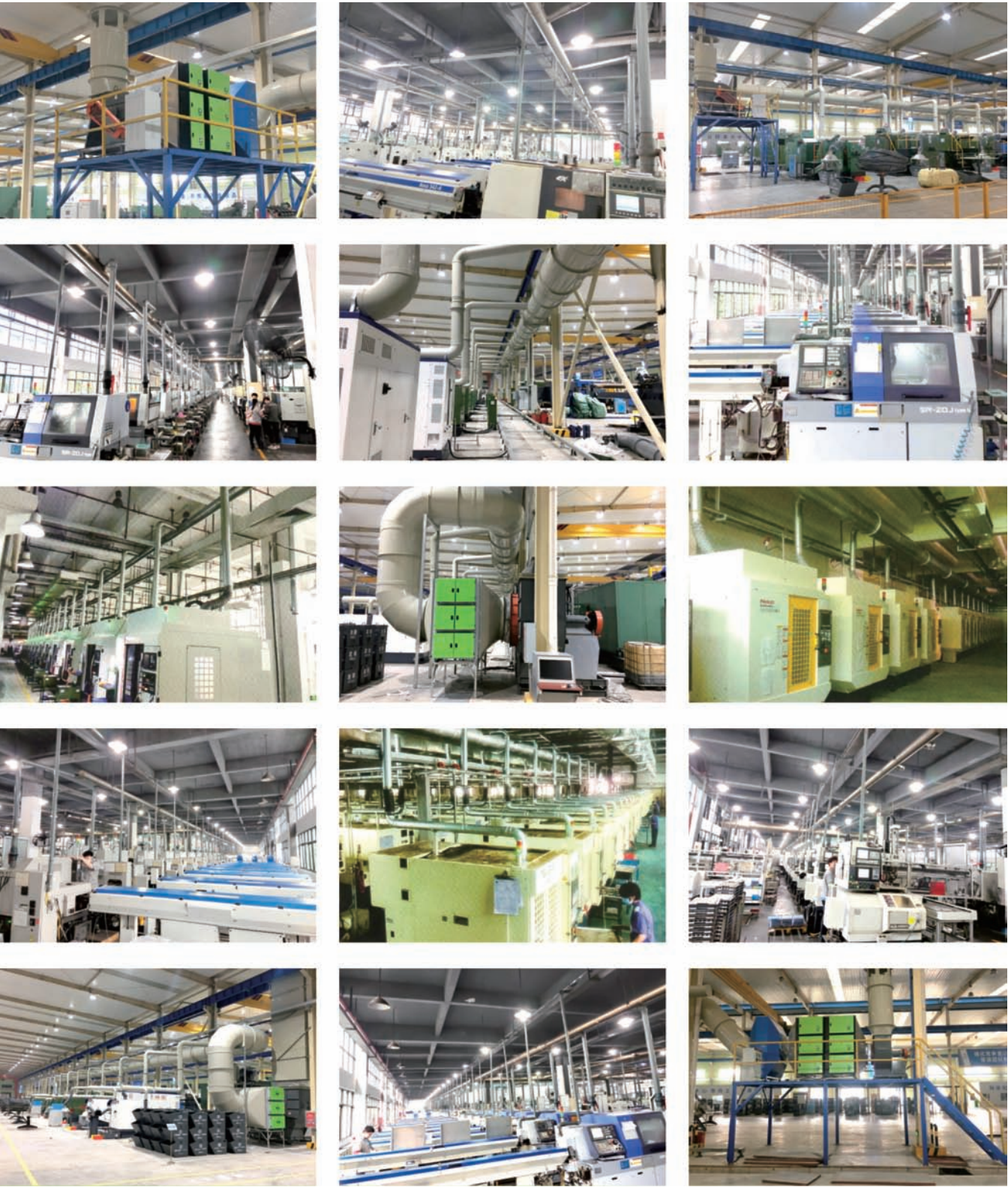
型號	Φ D柄徑	Φ Dmm	Lmm	M	H(mm)	最大夾持能力(mm)
C-4	Φ1-Φ4	Φ8.2	24	1/4-28UNF	6	Φ4
C-5	Φ1-Φ5	Φ10.8	31.5	5/16-24UNF	8	Φ5
C-6	Φ1-Φ6	Φ13.1	36.0	3/8-24UNF	10	Φ6
C-9	Φ1-Φ9	Φ17	46.0	1/2-20UNF	14	Φ9
C-12	Φ2-Φ12	Φ21	50.0	5/8-18UNF	17	Φ12
C-14	Φ5-Φ14	Φ24.5	54.0	3/4-16UNF	21	Φ14
C-16	Φ5-Φ16	Φ31	70.0	M24-2.0	26	Φ16



攻牙

型號	Φ D柄徑	Φ Dmm	Lmm	M	H(mm)	最大夾持能力(mm)
CT-4	Φ3-Φ4	Φ8.2	24	1/4-28UNF	6	M3.5×0.16
CT-5	Φ3-Φ5.5	Φ10.8	31.5	5/16-24UNF	8	M4×0.7
CT-6	Φ3-Φ6	Φ13.1	36	3/8-24UNF	10	M6×1.0
CT-9	Φ3-Φ7	Φ17	46	1/2-20UNF	14	M8×1.25
CT-12	Φ3-Φ9	Φ21	50	5/8-18UNF	17	M12×1.75
CT-14	Φ3-Φ12	Φ24.5	54	3/4-16UNF	21	M14×2.0
CT-16	Φ3-Φ14	Φ31	70	M24-2.0	26	M18×2.5

 工程方案及案列



 單機安裝案列





昆山丽源鑫金属制品有限公司

KUNSHAN LIYUANXIN METAL PRODUCTS CO., LTD.

Kunshan Liyuanxin Metal Products Co., Ltd.

ADD: Plant 6, No 119, Lisheng

Road, Huaqiao Town, SUZHOU, Jiangsu, China.

ATTN: Mobile/whatsapp/wechat: +86 15995629502

<http://www.kslxc.com/en/>