



### 【三個理念】品質、設計、製造

- ☉ 千島提供品質第一的產品
- ☉ 千島提供設計創新的產品
- ☉ 千島提供專業製造的產品

### 【四個堅持】

- ☉ 我們堅持最優秀的人才
- ☉ 我們堅持最創新的技術
- ☉ 我們堅持最先進的設備
- ☉ 我們堅持最完善的環境

### 【Three concepts】 Quality, Design, Manufacture

- ☉ CHANDOX provides products of the best quality.
- ☉ CHANDOX provides products of innovative design.
- ☉ CHANDOX provides products of professional manufacture.

### 【Four insistences】

- ☉ We insist on the most outstanding human resources.
- ☉ We insist on the most innovative technology.
- ☉ We insist on the most advanced equipments.
- ☉ We insist on the most perfect manufacturing environment.

# CHANDOX

新產品 系列介紹 千島全系列產品均已投保產品責任險二百萬美金

NEW PRODUCT HIGHLIGHT All series of CHANDOX products have products liability insurance of US \$2,000,000.



**CL-DP**

三爪中實油壓夾頭 (大規格)  
3-JAW SOLID POWER CHUCKS



**OPB**

大孔徑三爪高速中空油壓夾頭  
LARGE THROUGH HOLE 3-JAW  
HIGH SPEED POWER  
CHUCK



**P-S**

大孔徑超薄中空油壓旋轉缸  
LARGE THROUGH HOLE  
SUPER THIN HOLLOW  
ROTARY HYDRAULIC CYLINDER



**PL**

後拉式油壓夾頭  
PULL BACK  
POWER CHUCKS



**RT**

旋轉式氣壓夾頭  
ROTARY AIR  
CHUCK FIXTURES



**MA**

兩軸自動對心氣壓夾頭  
2 ACTUATING AXES SELF-  
CENTERING SOLID AIR CHUCK  
FIXTURES

**MTB**  
氣壓旋轉器  
AIR FEED TUBE

**MR-S**  
雙氣缸三爪氣壓夾頭  
3-JAW AIR CHUCK  
FIXTURES BUILT-IN 2  
CYLINDERS

**MTK**  
內藏式超精密三爪氣壓夾頭  
3-JAW SUPER PRECISION  
AIR CHUCK FIXTURES

**MTK-T**  
內藏式超精密二爪氣壓夾頭  
2-JAW SUPER PRECISION  
AIR CHUCK FIXTURES

**TK**  
三爪超精密氣壓夾頭  
3-JAW SUPER  
PRECISION AIR CHUCKS

**TK-T**  
二爪超精密氣壓夾頭  
2-JAW SUPER  
PRECISION AIR CHUCKS


**TB**  
氣壓旋轉器  
AIR FEED TUBE

本產品精密度可達 $\mu$ 級  
This product reaches the  
repeatability of " $\mu$  degree".



代理產品

輪胎夾頭 LMC WHEEL CHUCKS

LMC Workholding  Made in USA



# INDEX

## 油壓夾頭系列 HYDRAULIC CHUCKS SERIES

<p><b>08 OPT</b> 三爪高速 中空油壓夾頭 3-JAW HIGH SPEED HOLLOW POWER CHUCKS</p> 	<p><b>17 CL</b> 三爪中實油壓夾頭 3-JAW SOLID POWER CHUCKS</p> 
<p><b>09 OP</b> 三爪高速 中空油壓夾頭 3-JAW HIGH SPEED HOLLOW POWER CHUCKS</p> 	<p><b>18 CL-DR</b> 三爪中實油壓夾頭 3-JAW SOLID POWER CHUCKS</p> 
<p><b>10 OPF</b> 三爪高速 中空油壓夾頭 3-JAW HIGH SPEED HOLLOW POWER CHUCKS</p> 	<p><b>19 L</b> 中實油壓旋轉缸 SOLID ROTARY HYDRAULIC CYLINDERS</p> 
<p><b>11 P</b> 高速中空油壓旋轉缸 SUPER HIGH SPEED HOLLOW ROTARY HYDRAULIC CYLINDERS</p> 	<p><b>20 L-R</b> 中實油壓旋轉缸 (左右及雙作用) SOLID ROTARY HYDRAULIC CYLINDER ( BUILT-IN CHECK VALVE )</p> 
<p><b>12 RS</b> 薄型高速中空 油壓旋轉缸 HIGH SPEED COMPACT HOLLOW ROTARY HYDRAULIC CYLINDER</p> 	<p><b>21 L-RE</b> 中實油壓旋轉缸 (左右及雙作用) SOLID ROTARY HYDRAULIC CYLINDER ( BUILT-IN CHECK VALVE &amp; SENSOR )</p> 
<p><b>13 OPB</b> 大孔徑三爪高速 中空油壓夾頭 LARGE THROUGH HOLE 3-JAW HIGH SPEED POWER CHUCK</p> 	<p><b>22 OK</b> 筒夾頭 COLLET CHUCKS</p> 
<p><b>14 PS</b> 大孔徑超薄 中空油壓旋轉缸 LARGE THROUGH HOLE SUPER THIN HOLLOW ROTARY HYDRAULIC CYLINDER</p> 	<p><b>24 PLVE</b> 後拉式油壓夾頭 PULL BACK POWER CHUCK FITURES ( HYDRAULIC )</p> 
<p><b>15 PL</b> 後拉式油壓夾頭 PULL BACK POWER CHUCKS</p> 	<p><b>25 MDT</b> 內藏式中空油壓 二爪夾頭 3-JAW HOLLOW POWER CHUCK FITURES ( HYDRAULIC )</p> 
<p><b>16 CLT</b> 三爪中實油壓夾頭 3-JAW SOLID POWER CHUCKS</p> 	<p><b>26 MO</b> 內藏式中空油壓 三爪夾頭 3-JAW HOLLOW POWER CHUCK FITURES ( HYDRAULIC )</p> 

## 氣壓夾頭系列 PNEUMATIC CHUCKS SERIES

<p><b>23 MA</b> 雙軸旋轉油壓 夾頭 2 ACTUATING AXES SELF-CENTERING SOLID AIR CHUCK FITURES</p> 	<p><b>24 PLVE</b> 後拉式油壓夾頭 PULL BACK POWER CHUCK FITURES ( PNEUMATIC )</p> 
<p><b>25 MDT</b> 內藏式中空油壓 二爪夾頭 3-JAW HOLLOW POWER CHUCK FITURES ( PNEUMATIC )</p> 	<p><b>26 MO</b> 內藏式中空油壓 三爪夾頭 3-JAW HOLLOW POWER CHUCK FITURES ( PNEUMATIC )</p> 
<p><b>27 MTK</b> 內藏式超精密 三爪油壓夾頭 3-JAW SUPER PRECISION AIR CHUCK FITURES</p> 	<p><b>28 MTK-T</b> 內藏式 超精密三爪油壓夾頭 3-JAW SUPER PRECISION AIR CHUCK FITURES</p> 
<p><b>29 TK-T</b> 二爪超精密油壓夾頭 3-JAW SUPER PRECISION AIR CHUCKS</p> 	<p><b>30 TK</b> 三爪超精密油壓夾頭 3-JAW SUPER PRECISION AIR CHUCKS</p> 
<p><b>31 TB, TBC</b> 氣壓旋轉軸 AIR FEED TUBE 雙軸旋轉軸 (注水型) AIR FEED TUBE ( FOR GRINDER MACHINES )</p> 	

<p><b>31 MTB</b> 氣壓旋轉軸 AIR FEED TUBE</p> 	<p><b>37 HU</b> 超硬精爪 HARD JAWS ( I-SERIES ) FOR HYDRAULIC CHUCKS</p> 
<p><b>32 ADP, FR</b> 硬質鋼 MOUNTING PLATES FORWARDS RINGS (FOR SOFT JAWS OF SUPER PRECISION AIR CHUCKS)</p> 	<p><b>37 S</b> 後拉式油壓專用三爪 SOFT JAWS FOR PULL BACK POWER CHUCKS</p> 
<p><b>33 J</b> 超精密油壓三爪 SOFT JAWS FOR SUPER PRECISION AIR CHUCKS</p> 	<p><b>38</b> 硬質鋼 MOUNTING PLATES</p> 
<p><b>34 MR-3</b> 雙氣缸三爪油壓夾頭 3-JAW AIR CHUCK ( BUILT-IN 3 CYLINDERS )</p> 	<p><b>39 SC</b> 雙連式三爪油壓 3-JAW SCROLL CHUCKS</p> 
<p><b>35 MR</b> 三爪氣壓夾頭 3-JAW AIR CHUCK</p> 	<p><b>40 PS</b> 薄型油壓四爪夾頭 4-JAW SCROLL CHUCKS</p> 
<p><b>36 RT-T</b> 二爪旋轉式油壓夾頭 2-JAW ROTARY AIR CHUCK FITURES</p> 	<p><b>41 SK</b> 強力油壓三爪油壓 3-JAW POWERFUL TYPE SCROLL CHUCKS</p> 
<p><b>37 J</b> 超精密油壓三爪 SOFT JAWS FOR SUPER PRECISION AIR CHUCKS</p> 	<p><b>41 ATIA2</b> 雙氣缸三爪油壓 3-JAW A1(A2) TYPE CHUCKS</p> 
<p><b>38</b> 硬質鋼 MOUNTING PLATES</p> 	<p><b>42 PSK</b> 強力油壓雙連式油壓夾頭 4-JAW POWERFUL TYPE SCROLL CHUCKS</p> 
<p><b>39 MR-3</b> 雙氣缸三爪油壓夾頭 3-JAW AIR CHUCK ( BUILT-IN 3 CYLINDERS )</p> 	<p><b>43 SC</b> 強力三爪 POWER SOFT JAWS</p> 

## 手動夾頭系列 SCROLL CHUCKS SERIES

## 超薄夾頭系列 SUPER THIN CHUCKS SERIES

<p><b>39 AS</b> 精製六爪夾頭 6-JAW AWL TYPE CHUCKS</p> 	<p><b>43 NSK</b> 強力超薄油壓夾頭 POWERFUL TYPE SUPER THIN CHUCKS</p> 
<p><b>40 AE</b> 精製六爪夾頭 6-JAW AWL TYPE CHUCKS</p> 	<p><b>44 MC</b> 方型超薄夾頭 SUPER THIN SQUARE CHUCKS</p> 
<p><b>41 AE</b> 精製六爪夾頭 6-JAW AWL TYPE CHUCKS</p> 	<p><b>45 SE</b> 超薄夾頭 SUPER THIN CHUCKS</p> 

## 零組件系列 PARTS & ACCESSORIES

<p><b>36 SJ</b> 軟質鋼 SOFT JAWS ( S-SERIES ) FOR HYDRAULIC CHUCKS</p> 
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## 鋼殼夾頭系列 STEEL BODY CHUCKS SERIES

- 46 INT**  
可程式二爪夾頭  
3-JAW STEEL BODY CHUCKS
- 46 NT**  
可程式三爪夾頭  
3-JAW STEEL BODY CHUCKS
- 47 CT**  
可程式調整型三爪鋼殼夾頭  
3-JAW ADJUSTMENT STEEL BODY SCROLL CHUCKS
- 47 FCT**  
可程式調整型四爪鋼殼夾頭  
4-JAW ADJUSTMENT STEEL BODY SCROLL CHUCKS
- 48 TKT**  
可程式強力型二爪鋼殼夾頭  
2-JAW POWERFUL TYPE ADJUSTMENT STEEL BODY CHUCKS
- 48 KT**  
可程式強力型三爪鋼殼夾頭  
3-JAW POWERFUL TYPE ADJUSTMENT STEEL BODY CHUCKS
- 48 FKT**  
可程式強力型四爪鋼殼夾頭  
4-JAW POWERFUL TYPE ADJUSTMENT STEEL BODY CHUCKS

## DIN歐規夾頭系列 DIN CHUCKS SERIES

- 50 2DACT**  
可程式標準型三爪鋼殼夾頭  
3-JAW ADJUSTMENT STEEL BODY SCROLL CHUCKS
- 50 4DACT**  
可程式標準型四爪鋼殼夾頭  
4-JAW ADJUSTMENT STEEL BODY SCROLL CHUCKS
- 51 6DACT**  
可程式標準型六爪鋼殼夾頭  
6-JAW ADJUSTMENT STEEL BODY SCROLL CHUCKS
- 51 3DACT**  
可程式強力型三爪鋼殼夾頭  
3-JAW POWERFUL TYPE ADJUSTMENT STEEL BODY CHUCKS
- 52 4DACT**  
可程式強力型四爪鋼殼夾頭  
4-JAW POWERFUL TYPE ADJUSTMENT STEEL BODY CHUCKS
- 52 6DACT**  
可程式強力型六爪鋼殼夾頭  
6-JAW POWERFUL TYPE ADJUSTMENT STEEL BODY CHUCKS

## 輪殼夾頭系列 LMC WHEEL CHUCKS SERIES

- LC 標準產品**
- LMC Workholding**  
Proud to USA
- 53.54**  
標準及輕型系列  
STANDARD AND LIGHTWEIGHT SERIES
  - 55**  
輕質生產系列  
LEAN PRODUCTION SERIES
  - 56**  
高剛性輪殼/油壓夾頭  
CHUCK ACTUATORS

# OPT 2-JAW HIGH SPEED HOLLOW POWER CHUCKS

## 二爪高速中空油壓夾頭

L:加長行程



### 尺寸圖 > Dimensions



### 規格表 > Specifications

型式 / 規格 MODEL /SPEC.	主軸直徑 / 喉徑 Main Shaft Spindle										單位 / UNIT:mm																	
	A	B	C	D	E	E1	F	G	H	H1	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
OPT-204	-	110	59	85	-	-	4	-	70.6	-	-	-	28	4-M10x1.5P	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OPT-205	A-4	135	60	110	63.5	20	-	4	96	82.8	PCDø118	4-M8x1.25P	33	4-M10x1.5P	15	-	-	-	-	-	-	-	-	-	-	-	-	-
OPT-206	A-5	169	81	140	82.5	33	-	5	116	104.8	PCDø145	6-M10x1.5P	45	6-M10x1.5P	16	-	-	-	-	-	-	-	-	-	-	-	-	-
OPT-208	A-6(A-6)	210	91	170	106.375	17	23	5	150	133.4	PCDø180	6-M12x1.5P	52	6-M12x1.5P	18	-	-	-	-	-	-	-	-	-	-	-	-	-
OPT-210	A-6(A-6)	254	100	220	139.719	18	28	5	190	171.4	PCDø225	6-M12x1.75P	75	6-M16x2P	19	-	-	-	-	-	-	-	-	-	-	-	-	-
OPT-212	A-8	304	110	220	139.719	18	-	6	190	171.4	PCDø250	6-M12x1.75P	91	6-M16x2P	25	-	-	-	-	-	-	-	-	-	-	-	-	-
OPT-215	A-11(A-8)	381	130	300	196.869	22	33	6	260	235	PCDø324	6-M12x1.75P	117.5	6-M20x2.5P	28	-	-	-	-	-	-	-	-	-	-	-	-	-
OPT-208L	A-6(A-6)	215	105	170	106.375	17	23	5	150	133.4	PCDø180	6-M10x1.5P	52	6-M12x1.75P	21	-	-	-	-	-	-	-	-	-	-	-	-	-
OPT-210L	A-6(A-6)	256	112	220	139.719	18	28	5	190	171.4	PCDø225	6-M12x1.75P	75	6-M16x2P	22	-	-	-	-	-	-	-	-	-	-	-	-	-

型式 / 規格 MODEL /SPEC.	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	通孔直徑 Thru-Hole [Diameter] [mm]	柱距 Plunger Stroke [mm]		
	OPT-204	14	23	20.3	11.5	6.7	3.5	-6.5	23	10	17.5	2	M30x1.5P	12	24	49.5	-	26
OPT-205	14	26.2	23.5	19	6	1	-9	25	10	20	2	M40x1.5P	12	31.5	62	-	38	10
OPT-206	20	32.3	29.5	24	7	11	-1	31	12	19	2	M50x2P	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	26	2	M85x2P	40	43	110	133.4	75	19
OPT-212	30	61.8	56.3	46	12	8	-15	50	21	28	2	M100x2P	50	51	129	-	91	23
OPT-215	43	82.3	77	48	13	7	-16	62	22	42.5	5	M130x2P	48	66.5	165	171.4	117.5	22
OPT-208L	25	47.8	39.6	26.05	13.05	14.95	-7.55	35	14	20.5	2	M85x2P	30	39.5	95	104.8	52	22
OPT-210L	30	61.34	52.06	29.05	12.55	8.95	-16.55	40	16	26	2	M85x2P	40	43	110	133.4	75	25

型式 / 規格 MODEL /SPEC.	爪行程 [英寸] Jaw Stroke [Diameter] [mm]	最高迴轉速 Max.Speed [r.p.m./min.]	最大拉力 Max. Pull Force [kN]	最大夾持力 Max. Gripping Force [kN]	最大設定 液壓壓力 Max. Hydr. Pressure [kgf/cm <sup>2</sup> / MPa]	淨重 Weight [kg]	總裝 安裝 裝置 Cylinder	夾持範圍 Gripping Range			
									OPT-204	5.4	8000
OPT-205	5.4	7000	1120	(11)	2340	(23)	19	(1.9)	6.5	P1036	e10~e135
OPT-206	5.5	6000	1420	(14)	3770	(37)	19.5	(1.8)	13.1	P1246	e13~e169
OPT-208	7.4	9500	2240	(22)	5710	(56)	17	(1.7)	29.0	P1592	e13~e210
OPT-210	8.8	4200	2850	(28)	7440	(73)	18	(1.8)	35.9	P1878	e30~e254
OPT-212	10.6	3300	3670	(36)	9990	(95)	18	(1.8)	56.6	P2091	e35~e304
OPT-215	10.6	2500	4790	(47)	12130	(119)	17	(1.7)	103.2	P2511	e35~e381
OPT-208L	16	3500	2240	(22)	3970	(38)	17	(1.7)	-	P1592	e25~e215
OPT-210L	18	3000	2950	(28)	4990	(49)	18	(1.8)	-	P1878	e40~e256





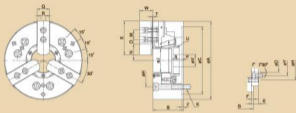
# OPB LARGE THROUGH HOLE 3-JAW HIGH SPEED POWER CHUCK

大孔徑三爪  
高速中空油壓夾頭

新產品  
NEW



尺寸圖 > Dimensions



規格表 > Specifications

型號/規格 MODEL / SPEC.	主軸鼻部直徑 Nose of Spindle	A	B	C	D	E	F	H	J	K
OPB-206	A-5	170	81	140	ø82.583	20	5	PCDø122	52	6-M10x1.5P
OPB-208	A-8	215	91	170	ø106.375	22	5	PCDø150	66	6-M12x1.75P
OPB-210	A-8	256	100	220	ø139.719	30	5	PCDø180	81	6-M18x2P
OPB-212	A-8	315	108	300	ø139.719	33	5	PCDø235	106	6-M20x2.5P
OPB-216	A-11	455	134	410	ø196.889	38	6	PCDø300	166.5	6-M20x2.5P

型號/規格 MODEL / SPEC.	M	N	O	P	Q	R	S	T	U		
OPB-206	20	36.35	33.6	21.1	9.1	6.9	-5.1	31	12	2	M8x2P
OPB-208	25	46.6	42.9	26.6	11.6	9.9	-6.1	35	14	25	M7x2P
OPB-210	30	54.6	50.1	33.1	13.6	8.9	-10.1	40	16	25	2
OPB-212	30	69.7	64.3	45.6	12.6	8.7	-15	50	21	28	2
OPB-216	43	107.5	101.7	55.55	16.55	12.3	-13	62	22	38	5

型號/規格 MODEL / SPEC.	V	W	X	Y	通孔直徑 Through-Hole [Diameter] (mm)	柱塞行程 Plunger Stroke [mm]	爪行程 (直徑) Jaw Stroke [Diameter] (mm)	最高旋轉速度 Max.Speed (r.p.m./min)
OPB-206	20	37.5	70	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	23.7	10.6	3400
OPB-216	48	66	185	235	166.5	25.3	11.6	2000

型號/規格 MODEL / SPEC.	最大拉力 Max. Pull Force (kN)	最大夾持力 Max. Gripping Force (kN)	最大固定油壓 Max. Hydr. Pressure (kgf/cm <sup>2</sup> / MPa)	淨重 Weight (kg)	油壓缸 油壓缸 Matching Cylinder	夾持範圍 Gripping Range
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	ø30~ø215
OPB-210	4300 (42)	11100 (109)	29 (2.8)	33.6	P1881S	ø34~ø254
OPB-212	5600 (55)	14580 (143)	18 (1.8)	54.7	P2511	ø50~ø315
OPB-216	7240 (71)	18250 (179)	23 (2.3)	166	P2816	ø80~ø455

# P-S LARGE THROUGH HOLE SUPER THIN HOLLOW ROTARY HYDRAULIC CYLINDER

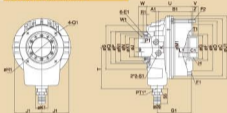
大孔徑超薄  
中空油壓迴轉缸

新產品  
NEW



- 超薄型、重量輕：超薄外形構造，重量比傳統迴轉缸輕，形體結構小型化，在高速度旋轉時，可減輕機械負荷。
- 大的貫通孔徑：大孔徑設計增加加工物之貫通孔徑的範圍增加。
- 安全構造：內藏止逆閥設計，於突發之壓降時仍可保持推力。

尺寸圖 > Dimensions



規格表 > Specifications

型號/規格 MODEL / SPEC.	A1	B1	C	C1	D	E	E1	F	F1	F2	G	G1	H	H1
P1452S	9	109.2	180	30	165	140	M8x1P	85	12-M10x1.5P	6-M8x1.25P	70	113.9	M60x2P	120
P1666S	9	120.7	209	35	190	168	M8x1P	95	12-M12x1.75P	6-M10x1.5P	85	125.4	M75x2P	145
P1881S	10.7	133.7	222	35	205	188	M8x1P	110	12-M12x1.75P	6-M10x1.5P	100	139.2	M90x2P	166

型號/規格 MODEL / SPEC.	J	J1	K	K1	L1	M1	N	N1	P	P1	Q	Q1	R1	S	S1	T	T1	U
P1452S	32	83	40	46	15	55	73	85	96	4	102	M8x1P	10.5	137	PT 1/2	130	4	155.7
P1666S	66	99	40	46	15	70	88	100	111	4	117	M8x1P	10.5	161	PT 1/2	150	5	170.2
P1881S	81	107.5	40	46	15	85	103	113	126	4	132	M8x1P	10.5	176	PT 1/2	175	5	189.2

型號/規格 MODEL / SPEC.	U1	V	V <sub>min</sub>	W	W <sub>max</sub>	W1	W <sub>min</sub>	X1	Z	柱塞行程 Piston Stroke (mm)	最高旋轉速度 Max.Speed (r.p.m./min)	通氣口直徑 Piston Dia (mm)
P1452S	201	17	-3	46.2	M56x1.5P	28.2	55.8	5	20	6500	145	
P1666S	229	19	-3	50.2	M74x1.5P	28.2	71.8	5	22	5600	165	
P1881S	244	21.1	-3.9	53.2	M89x2P	28.2	85.8	5	25	4800	180	

型號/規格 MODEL / SPEC.	流量 Oil Leakage Rate (l/min)	最高使用壓力 Max. Pressure (kgf/cm <sup>2</sup> / MPa)	活塞面積 Piston Area (cm <sup>2</sup> ) 推力側 Push Side	最大牽引 (拉力) Max. Operating Force Pull Side (kg)	淨重 Weight (kg)
P1452S	0.035	3.9	40 (3.9)	137 (126)	4860 (47.6)
P1666S	0.07	4	40 (3.9)	170 (157)	6048 (59.3)
P1881S	0.09	4.3	40 (3.9)	191 (175)	6804 (66.7)

## 後拉式油壓夾頭



後拉式油壓夾頭作徑向夾持時強力後拉，工件不會上浮，適用於鑄件及鍛件的加工。

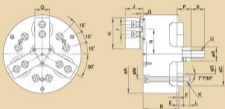
1. 後拉式夾持將工件緊貼在基準面上，使夾持穩固，適於重切削。
2. 磨柱滑動結構，可長期使用，並確保重復夾持的變異精確。
3. 準確的自定中心及強力夾持工件不上浮特性，要求長量精確的加工最適用。
4. 可採用對位裝置，配合自動化系統。



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 depressing the grippod 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.

### 尺寸圖 > Dimensions



### 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	250	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	36
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 Jaw Stroke (Diameter) mm	最高旋轉速 Max.Speed r.p.m.(min <sup>-1</sup> )	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)

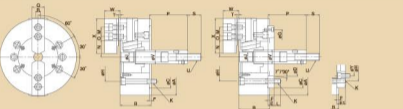
### 型式/規格 MODEL / SPEC.

	最大夾持力 Max. Gripping Force kgf	最大設定油壓 Max. Hydr. Pressure kgf/cm <sup>2</sup>	淨重 Weight (kg)	匹配油壓缸型號 Matching Cylinder	夾持範圍 Gripping Range
PL-06	2950 (29)	22 (2.2)	15.4	L1020	ø35-ø160
PL-08	4690 (46)	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

## 二爪中實油壓夾頭



### 尺寸圖 > Dimensions



### 規格表 > Specifications

單位(UNIT)mm

型式/規格 MODEL / SPEC.	主軸鼻端直徑 Nose Of Spindle	A	B	C min.	D	E	E1	F	G	H	J
CLT-06	A=5	165	74	140	82.563	15	--	5	116	104.8	21
CLT-08	A=6(A=5)	210	85	170	106.375	17	23	5	150	133.4	25
CLT-10	A=8(A=6)	254	89	220	139.719	18	28	5	190	171.4	34
CLT-12	A=8	304	105	220	139.719	18	--	6	190	171.4	34

### 型式/規格 MODEL / SPEC.

	K	L	M	N max.	N min.	O max.	O min.	P max.	P min.	Q	R	S
CLT-06	6-M10x1.5P	14	20	37.8	33.25	15.1	9.1	101.5	81.5	31	12	36
CLT-08	6-M12x1.75P	18	25	46.3	41.9	22.1	10.1	127	106	35	14	36
CLT-10	6-M16x2P	25	30	51.4	47	30.6	9.6	158	133	40	16	36
CLT-12	6-M16x2P	25	30	60.7	55.45	48.6	12.6	163	133	50	16	36

### 型式/規格 MODEL / SPEC.

	T	U	V	W	X	Y	柱塞行程 Plunger Stroke (mm)	爪行程(直徑) Jaw Stroke (Diameter) (mm)	最高旋轉速 Max.Speed r.p.m.(min <sup>-1</sup> )
CLT-06	4	M16x2P	34	36	73	--	20	8.5	5000
CLT-08	5	M20x2.5P	38	42	95	104.8	21	8.8	4000
CLT-10	5	M20x2.5P	45	48	110	133.4	25	8.8	3500
CLT-12	5	M20x2.5P	50	54	129	--	30	10.5	3000

### 型式/規格 MODEL / SPEC.

	最大拉力 Max. Pull Force (kN)	最大夾持力 Max. Gripping Force kgf	最大設定油壓 Max. Hydr. Pressure kgf/cm <sup>2</sup>	淨重 Weight (kg)	匹配油壓缸型號 Matching Cylinder	夾持範圍 Gripping Range
CLT-06	1220 (12)	3460 (34)	17 (1.7)	11.1	L1020(L1020R)	ø9-ø165
CLT-08	1630 (16)	4690 (46)	16 (1.6)	21.3	L1225(L1225R)	ø12-ø210
CLT-10	1930 (19)	7140 (70)	19 (1.9)	32.6	L1225(L1225R)	ø15-ø254
CLT-12	2750 (27)	10300 (101)	20 (2.0)	57.0	L1530(L1530R)	ø20-ø304

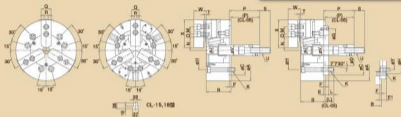


# CL-3-JAW SOLID POWER CHUCKS

## 三爪中實油壓夾頭



尺寸圖 > Dimensions



規格表 > Specifications

型號 / 規格 MODEL / SPEC.	主軸鼻端直徑 Nose Of Spindle		A	B	C (H)	D	E	E1	F	G	H	J	K	L	M
CL-05	A-4	135	55	80	83.513	--	--	7	--	100	--	3-M8x1.25P	14	14	
CL-06	A-5	165	74	140	82.563	15	--	5	116	104.8	21	6-M10x1.5P	14	20	
CL-08	A-6(A-5)	210	85	170	106.375	17	23	5	150	133.4	25	6-M12x1.75P	18	25	
CL-10	A-8(A-6)	254	89	220	139.719	18	28	5	190	171.4	34	6-M16x2P	25	30	
CL-12	A-8	304	106	220	139.719	18	--	6	190	171.4	34	6-M16x2P	25	30	
CL-15	A-11	381	114	300	196.869	22	--	6	260	235	--	6-M20x2.5P	32	43	
CL-18	A-11	450	114	300	196.869	22	--	6	260	235	--	6-M20x2.5P	32	43	

型號 / 規格 MODEL / SPEC.	N max.	N min.	Q max.	Q 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	4	25	10	35	2	M12x1.75P	28	31	62	--
CL-06	37.8	33.25	15.1	8.1	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	36	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	60.7	55.45	48.6	12.6	163	133	50	18	36	5	M20x2.5P	50	54	129	--
CL-15	89.05	80.87	58.05	40.05	104	69	62	25.5	5	7	M30x3.5P	60	68	165	--
CL-18	99.46	91.28	58.05	40.05	92	57	62	25.5	5	7	M30x3.5P	60	68	165	--

型號 / 規格 MODEL / SPEC.	柱塞行程 Plunger Stroke (mm)	爪行程 (mm)	最大握持力 Max. Gripping Force kgf (kN)	最大拉力 Max. Pull Force kgf (kN)	最大握持力 Max. Gripping Force kgf (kN)	最大拉力 Max. Pull Force kgf (kN)	淨重 Weight (kg)	油壓 油壓缸型號 Matching Cylinder	夾持範圍 Gripping Range
CL-05	5.4	5500	800 (7.8)	2450 (24)	25 (2.5)	6	L0815	e8-e135	
CL-06	20	8.5	5000 (1730)	1770 (500)	25 (2.5)	11.4	L1205(L1205R)	e18-e165	
CL-08	21	8.8	4800 (2440)	2440 (73)	25 (2.5)	21.9	L1225(L1225R)	e12-e210	
CL-10	25	8.8	4000 (2850)	2880 (108)	29 (2.8)	33.4	L1225(L1225R)	e18-e254	
CL-12	30	10.5	3200 (400)	15500 (152)	29 (2.8)	58.5	L1530(L1530R)	e18-e304	
CL-15	35	16	3000 (8260)	811 (25290)	32 (3.1)	100.6	L2035(L2035R)	e28-e381	
CL-18	35	16	2700 (8260)	811 (25290)	32 (3.1)	134.3	L2035(L2035R)	e100-e450	

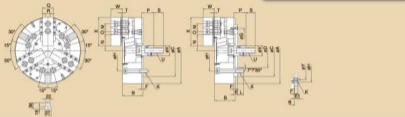
# CL-DP-3-JAW SOLID POWER CHUCKS

## 三爪中實油壓夾頭

最新  
NEW



尺寸圖 > Dimensions



規格表 > Specifications

型號 / 規格 MODEL / SPEC.	主軸鼻端直徑 Nose Of Spindle		A	B	C (H)	D	E	E1	F	G	H	K	L	M
CL-15DP	A-11	381	118	300	196.869	22	--	6	260	235	6-M20x2.5P	32	43	
CL-18DP	A-11	450	118	300	196.869	22	--	6	260	235	6-M20x2.5P	32	43	
CL-21DP	A-15(A-11)	530	129	380	285.775	27	41	6	330.2	330.2	6-M24x3P	33	60	
CL-24DP	A-15(A-11)	610	129	380	285.775	27	41	6	330.2	330.2	6-M24x3P	33	60	
CL-32DP	A-15(A-11)	800	129	380	285.775	27	41	6	330.2	330.2	6-M24x3P	33	60	

型號 / 規格 MODEL / SPEC.	N max.	N min.	Q max.	Q min.	P max.	P min.	Q	R	S	T	U	V	W	X	Y
CL-15DP	69.05	60.97	58.05	40.05	104	69	62	25.5	5	7	M30x3.5P	60	68	165	--
CL-18DP	99.46	91.28	58.05	40.05	92	57	62	25.5	5	7	M30x3.5P	60	68	165	--
CL-21DP	80.49	72.41	101.8	41.8	96.95	61.95	65	25	5	7	M30x3.5P	60	75.5	180	235
CL-24DP	119.49	111.41	101.8	41.8	96.95	61.95	65	25	5	7	M30x3.5P	60	75.5	180	235
CL-32DP	119.49	111.39	197.8	41.8	97	61.95	65	25	5	7	M30x3.5P	60	75.5	180	235

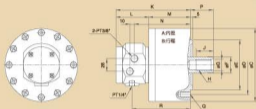
型號 / 規格 MODEL / SPEC.	柱塞行程 Plunger Stroke (mm)	爪行程 (mm)	最高握持力 Max. Gripping Force kgf (min)	最大拉力 Max. Pull Force kgf	最大握持力 Max. Gripping Force kgf	最大拉力 Max. Pull Force kgf	淨重 Weight (kg)	油壓 油壓缸型號 Matching Cylinder	夾持範圍 Gripping Range
CL-15DP	35	16	3000 (8260)	811 (25290)	32 (3.1)	100.6	L2035(L2035R)	e8-e381	
CL-18DP	35	16	2700 (8260)	811 (25290)	32 (3.1)	134.3	L2035(L2035R)	e100-e450	
CL-21DP	35	16	1900 (8650)	8650 (268)	33 (3.2)	L2035(L2035R)	e80-e330		
CL-24DP	35	16	1700 (8650)	8650 (268)	33 (3.2)	L2035(L2035R)	e155-e810		
CL-32DP	35	16	1100 (8650)	8650 (268)	33 (3.2)	L2035(L2035R)	e155-e800		

## 中實油壓迴轉缸

新產品  
NEW



尺寸圖 > Dimensions



規格表 > Specifications

單位/UNIT:mm

型式/規格 MODEL / SPEC.	A	B	C	D	E (Ø7)	F	G (Ø8)	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*)
L0815	65	97	46	31	6-M8x1.25P	102	15	6000
L1020	83	115	45	25	6-M10x1.5P	120	20	5500
L1225	91	123	51	26	6-M12x1.75P	128	25	5500
L1530	101	133	56	26	12-M12x1.75P	138	30	4000
L2035	119.5	151.5	69	34	12-M16x2P	156.5	35	4000

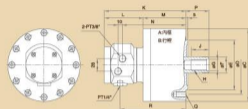
型式/規格 MODEL / SPEC.	GD <sup>1</sup> (kg·m <sup>2</sup> )	流量 Oil Leakage Rate (l/min)	最高使用壓力 Max. Pressure (Mpa)	活塞面積 Piston Area (cm <sup>2</sup> )		最大推力 Max. Push Force (kN)	淨重 Weight (kg)
				推力側 Push Side	拉力側 Pull Side		
L0815	0.005	0.8	40 (3.9)	44	37	1600 (15.7)	4.2
L1020	0.013	0.8	40 (3.9)	86	79	3200 (31.4)	5.9
L1225	0.023	0.8	40 (3.9)	122	113	4600 (45.1)	8.1
L1530	0.048	0.8	40 (3.9)	176	160	6500 (63.7)	11.9
L2035	0.098	0.8	40 (3.9)	314	290	11800 (115.6)	21.4

## 中實油壓迴轉缸 (防止逆裝置)

新產品  
NEW



尺寸圖 > Dimensions



規格表 > Specifications

單位/UNIT:mm

型式/規格 MODEL / SPEC.	A	B	C	D	E (Ø7)	F	G (Ø8)	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*)
L1020R	86	132	45	25	6-M10x1.5P	137	20	6000
L1225R	94	140	51	26	6-M12x1.75P	145	25	6000
L1530R	105	149	56	26	12-M12x1.75P	154	30	5500
L2035R	123.5	166.5	69	34	12-M16x2P	171.5	35	5500

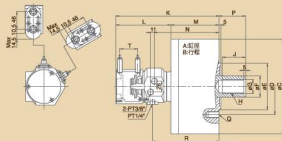
型式/規格 MODEL / SPEC.	GD <sup>1</sup> (kg·m <sup>2</sup> )	流量 Oil Leakage Rate (l/min)	最高使用壓力 Max. Pressure (Mpa)	活塞面積 Piston Area (cm <sup>2</sup> )		最大推力 Max. Push Force (kN)	淨重 Weight (kg)
				推力側 Push Side	拉力側 Pull Side		
L1020R	0.013	0.8	40 (3.9)	86	79	3200 (31.4)	6.8
L1225R	0.023	0.8	40 (3.9)	122	113	4600 (45.1)	8.8
L1530R	0.048	0.8	40 (3.9)	176	160	6500 (63.7)	12.8
L2035R	0.098	0.8	40 (3.9)	314	290	11800 (115.6)	22.5

## 中實油壓迴轉缸 (防止逆及檢知裝置)



註：近接開關為特殊附件  
Note: Proximity switch is an extra option.

### 尺寸圖 > Dimensions

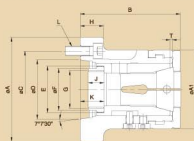


## 筒夾夾頭



使用筒夾必須符合DIN 6343規範  
Use collect which conform with DIN6343

### 尺寸圖 > Dimensions



Multibore Collet



Spring Collet

### 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 <sup>-1</sup> )	GDP <sup>2</sup> (kg·m <sup>2</sup> )
L1020RE	6-M10x1.5P	137	46	20	6000	0.013
L1225RE	6-M12x1.75P	145	46	25	6000	0.023
L1530RE	12-M12x1.75P	154	46	30	5500	0.048
L2035RE	12-M16x2P	171.5	46	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 (Mpa)	活塞面積 Piston Area (cm <sup>2</sup> )		最大推力 Max. Push Force kgf
			推力側 Push Side	拉力側 Pull Side	
L1020RE	0.8	40 (3.9)	84	79	3100 (30.4)
L1225RE	0.8	40 (3.9)	120	113	4500 (44.1)
L1530RE	0.8	40 (3.9)	174	160	6400 (62.7)
L2035RE	0.8	40 (3.9)	312	290	11700 (114.7)

### 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	M60x1.5P
CK42A6	165	100	127	133.4	106.375	M60x1.5P
CK80A6	165	130	150	133.4	106.375	M80x1.5P

型式/規格 MODEL /SPEC.	F	G max.	H	J	K max.	K min.
CK30A4	45	M40x1.5P	25	17	28	23
CK42A5	60	M56x2P	27	25	34	28
CK42A6	65.8	M60x2P	32	25	34	28
CK80A6	82	M76x2P	27	30	38	32

型式/規格 MODEL /SPEC.	L	T	套筒行程 Sleeve Stroke (mm)	最高迴轉速 Max. Speed r.p.m (min <sup>-1</sup> )	搭配油壓缸型號 Matching Cylinder
CK30A4	3-M10x1.5P	2.3	5	7000	P1036
CK42A5	4-M10x1.5P	3.2	6	6000	P1246
CK42A6	4-M12x1.75P	3.2	6	6000	P1552
CK80A6	4-M12x1.75P	3.2	6	5000	P1875

型式/規格 MODEL /SPEC.	搭配筒夾型號 Matching Collet Ref		夾持範圍 Gripping Range		最大推力 Max. Push Force kgf (kN)	最大夾持力 Max. Gripping Force kgf (kN)
	Spring Collet	Multibore Collet	圓錐 Round	方錐 Square		
CK30A4	163E	M-669	e3~e30	4~27	2040(20)	4486(44)
CK42A5	173E	M-673	e3~e42	6~36	2550(25)	5510(55)
CK42A6	173E	M-673	e3~e42	6~36	2550(25)	5510(55)
CK80A6	185E	M-677	e4~e60	8~52	3060(30)	6630(65)

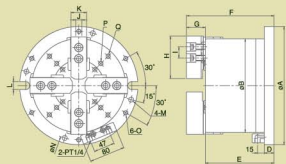
## 兩軸自動求心氣壓夾盤

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，不會生鏽或卡死。
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。



### 尺寸圖 > Dimensions



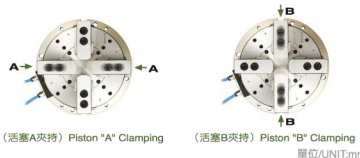
新產品  
**NEW**  
專利產品  
Patent Protected

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

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)
MA-06	M10x1.5P(PCD ø202)	4-M8x1.25P(PCD ø124)	4-M8x1.25P(PCD ø156)	127
MA-08	M10x1.5P(PCD ø243)	4-M10x1.5P(PCD ø140)	4-M10x1.5P(PCD ø186)	184
MA-10	M12x1.75P(PCD ø285)	4-M10x1.5P(PCD ø178)	4-M10x1.5P(PCD ø224)	270

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

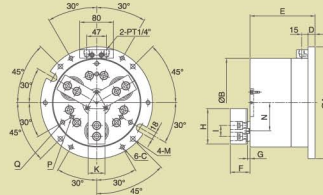
## 後拉式 (氣) 油壓夾盤

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，適用重切削或鑽件及鑽件的加工。

- 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，不會生鏽或卡死。
- 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 重力量夾持設計：搭配油壓系統作重力夾持工件，結構設計穩固不會變形。



### 尺寸圖 > Dimensions



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 won't heavy duty clamping, the chuck structure is steady and won't deform.

### 應用實例 > Operation Example



### 規格表 > Specifications

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 202)
PLVE-08	265	210	M10x1.5P(PCDø243)	17	154	57.15	47.15	16.15	6.15	84	26	40	ø11(PCD 243)
PLVE-10	315	254	M12x1.75P(PCDø285)	20	185	67.6	51.6	21.6	5.6	100	32	50	ø13(PCD 285)

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 (KN)	最大設定油壓壓力 Max. Pressure Setting (Mpa)	氣壓夾持力 Gripping Force At Air Pressure 7kgf/cm² (0.7Mpa) (KN)	夾持範圍 Gripping Range
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)	ø40-ø210

# MO<sub>2</sub>-JAW HOLLOW POWER CHUCK FIXTURES

## 內藏式中空(氣)油壓二爪夾盤

內藏式中空油壓夾盤適用於工作台面的黏、結加工而設計。

- 1.氣缸防洩處理：在磨床及工作環境較乾的情況，氣缸內密封防洩處理，不會生銹或卡死。
- 2.防塵裝置：在工作台上的黏結工作，切削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盤內部，更能確保穩定的穩定性、提升夾持力，適用於重切削及夾持精確的保持，並準備機械式。

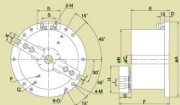


With built-in type cylinder, it is ideal for machining application on working table.

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. Dust-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.

### 尺寸圖 > Dimensions

專利產品  
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### 應用範例 > Operation Example

雙壓扣換機油盒方式 / 特殊附件  
Examples of Attaching Pneumatic Manual Switch / Optional Accessories



外掛機油手動控制閥  
Split type hand control valve

手動控制手動控制閥  
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	
MOT-04	157	115	-	15	77.5	104	26	49.5	14	10	23	13	a9	PCD e136	PT1/8	M8x1.25P	2-M8x1.25P(PCDe90)	04	47
MOT-05	185	135	-	15	95	128	33	62	14	10	25	13	a9	PCD e165	PT1/4	M8x1.25P	3-M8x1.25P(PCDe100)	00	47
MOT-06	224	169	25	16	118	158	40	73	20	12	31	18	a11	PCD e202	PT1/4	M10x1.5P	3-M10x1.5P(PCDe134)	00	47
MOT-08	265	210	30	20	138	180	42	95	25	14	35	18	a11	PCD e243	PT1/4	M10x1.5P	3-M10x1.5P(PCDe136)	00	47
MOT-10	315	254	32	23	150	196	46	110	30	16	40	18	a13	PCD e285	PT1/4	M12x1.75P	3-M12x1.75P(PCDe170)	00	47

型式/規格 MODEL /SPEC	Q	活塞面積 Piston Area (cm <sup>2</sup> )	柱塞行程 Plunger Stroke (mm)	內行程 (齒距) Pitch (mm)	最大夾持力 Max.Gripping Force (kN)	最大穩定 抓握力 Max. Hydr. Pressure (kgf/cm <sup>2</sup> ) (Mpa)	夾持壓力 Air Pressure 7 kgf/cm <sup>2</sup> (0.7Mpa)	淨重 Weight (kg)	夾持範圍 Gripping Range
MOT-04	-	57	9	3.8	1900 (18.6)	12 (1.2)	1100 (10.8)	6.9	a9-a115
MOT-05	-	74	10	5.4	2620 (25.6)	16 (1.6)	1300 (12.7)	11.2	a12-a135
MOT-06	-	97	12	5.5	4000 (39.5)	16 (1.6)	2000 (19.2)	21.0	a15-a189
MOT-08	2-M10x1.5P(PCDe186)	156	16	7.4	6490 (63.5)	16 (1.6)	3300 (32.3)	36.8	a20-a210
MOT-10	2-M12x1.75P(PCDe230)	235	19	8.8	9780 (95.6)	16 (1.6)	4800 (47.0)	56.4	a33-a254

# MO<sub>3</sub>-JAW HOLLOW POWER CHUCK FIXTURES

## 內藏式中空(氣)油壓三爪夾盤

L:加長行程

內藏式中空油壓夾盤適用於工作台面的黏、結加工而設計。

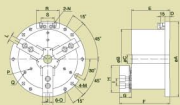
- 1.氣缸防洩處理：在磨床及工作環境較乾的情況，氣缸內密封防洩處理，不會生銹或卡死。
- 2.防塵裝置：在工作台上的黏結工作，切削及冷卻液不易進入夾盤內部，確保夾盤的使用壽命及精度。
- 3.內藏式油缸特性：把油缸直接裝置於夾盤內部，更能確保穩定的穩定性、提升夾持力，適用於重切削及夾持精確的保持，並準備機械式。



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

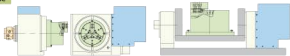
### 尺寸圖 > Dimensions

專利產品  
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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. Dust-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



### 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	a9	PCD e135	PT1/8	M8x1.25P	3-M8x1.25P(PCDe90)	04	47
MO-05	185	135	-	15	95	128	33	62	14	10	25	13	a9	PCD e165	PT1/4	M8x1.25P	3-M8x1.25P(PCDe100)	00	47
MO-06	224	169	25	16	118	158	40	73	20	12	31	18	a11	PCD e202	PT1/4	M10x1.5P	3-M10x1.5P(PCDe134)	00	47
MO-08	265	210	30	20	138	180	42	95	25	14	35	18	a11	PCD e243	PT1/4	M10x1.5P	3-M10x1.5P(PCDe136)	00	47
MO-10	315	254	32	23	150	196	46	110	30	16	40	18	a13	PCD e285	PT1/4	M12x1.75P	3-M12x1.75P(PCDe170)	00	47
MO-12	375	304	80	23	165	219	54	129	30	16	50	18	a17	PCD e340	PT3/8	M18x2P	3-M18x2P(PCDe200)	00	55
MO-L8	265	210	30	20	138	180	42	95	25	14	35	18	a11	PCD e243	PT1/4	M10x1.5P	3-M10x1.5P(PCDe136)	00	47

型式/規格 MODEL /SPEC	Q	活塞面積 Piston Area (cm <sup>2</sup> )	柱塞行程 Plunger Stroke (mm)	內行程 (齒距) Pitch (mm)	最大夾持力 Max.Gripping Force (kN)	最大穩定 抓握力 Max. Hydr. Pressure (kgf/cm <sup>2</sup> ) (Mpa)	夾持壓力 Air Pressure 7 kgf/cm <sup>2</sup> (0.7Mpa)	淨重 Weight (kg)	夾持範圍 Gripping Range
MO-04	-	57	9	3.8	2400 (23.5)	15 (1.5)	1100 (10.8)	7.05	a9-a115
MO-05	-	74	10	5.4	3285 (32.2)	20 (2.0)	1300 (12.7)	11.2	a12-a135
MO-06	-	97	12	5.5	5040 (49.4)	20 (2.0)	2000 (19.2)	21.0	a15-a189
MO-08	3-M10x1.5P(PCDe186)	156	16	7.4	8100 (79.4)	20 (2.0)	3500 (33.5)	36.8	a20-a210
MO-10	3-M12x1.75P(PCDe230)	235	19	8.8	12210 (119.7)	20 (2.0)	4800 (47.0)	56.4	a33-a254
MO-12	3-M12x1.75P(PCDe260)	292	23	10.6	14500 (142.1)	20 (2.0)	5100 (50.0)	88.5	a40-a304
MO-L8	3-M10x1.5P(PCDe186)	156	16.5	12	5202 (51)	20 (2.0)	1836 (18)	37.6	a20-a210

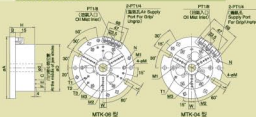
## 內藏式超精密三爪氣壓夾盤

新產品 **NEW** 專利產品 **Patent Protected**

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，自預留自動潤滑管道，可與自動潤滑裝置連結。
2. 內藏式汽缸：汽缸與夾盤齒輪設計，確保作動及夾持的穩定性。
3. 生爪精確定位：設有定位銷使生爪在重複裝夾時仍保持良好的定位精度。
4. 超高精度夾持確保工作效率；夾持工件的同軸度及重複夾持精度可達 $\mu$ 級，簡化操作，實現高效率的精密加工。



### 尺寸圖 > Dimensions



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 remove 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  $\mu$  degree machining processes can be simplified or shortened to make high precision machining with high efficiency come true.

本產品精確度可達 $\mu$ 級  
This product reaches the repeatability of " $\mu$  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

型號 / 規格 MODEL / SPEC.	A	B	C	D	E	F	H	W	L	M	單位 UNIT/mm
MTK-04	148	17	20.75	101.6	18	12.7	12.7	80	16	13	e9 (PCD $\phi$ 130)
MTK-06	200	18	39.75	152.4	26	12.7	12.7	81	22	18	e11 (PCD $\phi$ 180)
型號 / 規格 MODEL / SPEC.	M1		M2		M3		N		T1		淨重 Weight (kg)
型號 / 規格 MODEL / SPEC.	6-M5x0.8P(PCD $\phi$ 68.9)		6-M5x0.8P		9-e3.18		3-M8x1.25P		3-M5x0.8P(PCD $\phi$ 88.9)		
MTK-04	6-M5x0.8P(PCD $\phi$ 68.9)		6-M5x0.8P		9-e3.18		3-M8x1.25P		3-M5x0.8P(PCD $\phi$ 88.9)		爪行程 (直徑) Jaw Stroke (Diameter) (mm)
MTK-06	6-M5x1P(PCD $\phi$ 135.89)		12-M5x0.8P		9-e3.18		4-M10x1.5P		3-M6x1P(PCD $\phi$ 135.89)		
型號 / 規格 MODEL / SPEC.	T2		T3		T1		T1		T1		淨重 Weight (kg)
型號 / 規格 MODEL / SPEC.	-		-		3		310 (3.1)		310 (3.1)		
MTK-04	-		-		3		310 (3.1)		310 (3.1)		爪行程 (直徑) Jaw Stroke (Diameter) (mm)
MTK-06	3-M6x1P(PCD $\phi$ 110)		3-M6x1P(PCD $\phi$ 135.89)		3		790 (7.8)		790 (7.8)		

## 內藏式超精密二爪氣壓夾盤

新產品 **NEW** 專利產品 **Patent Protected**

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，自預留自動潤滑管道，可與自動潤滑裝置連結。
2. 內藏式汽缸：汽缸與夾盤齒輪設計，確保作動及夾持的穩定性。
3. 生爪精確定位：設有定位銷使生爪在重複裝夾時仍保持良好的定位精度。
4. 超高精度夾持確保工作效率；夾持工件的同軸度及重複夾持精度可達 $\mu$ 級，簡化操作，實現高效率的精密加工。



### 尺寸圖 > Dimensions



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 remove 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  $\mu$  degree machining processes can be simplified or shortened to make high precision machining with high efficiency come true.

本產品精確度可達 $\mu$ 級  
This product reaches the repeatability of " $\mu$  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

型號 / 規格 MODEL / SPEC.	A	B	C	D	E	F	H	W	L	M	單位 UNIT/mm
MTK-04T	148	17	20.75	101.6	18	12.7	12.7	80	16	13	爪行程 (直徑) Jaw Stroke (Diameter) (mm)
MTK-06T	200	18	39.75	152.4	26	12.7	12.7	81	22	18	
型號 / 規格 MODEL / SPEC.	M		M1		M2		M3		N		淨重 Weight (kg)
型號 / 規格 MODEL / SPEC.	e9 (PCD $\phi$ 130)		6-M5x0.8P(PCD $\phi$ 88.9)		4-M5x0.8P		6-e3.18		3-M8x1.25P		
MTK-04T	e9 (PCD $\phi$ 130)		6-M5x0.8P(PCD $\phi$ 88.9)		4-M5x0.8P		6-e3.18 <td colspan="2">3-M8x1.25P</td> <td rowspan="2">爪行程 (直徑) Jaw Stroke (Diameter) (mm)</td>		3-M8x1.25P		爪行程 (直徑) Jaw Stroke (Diameter) (mm)
MTK-06T	e11 (PCD $\phi$ 180)		6-M5x1P(PCD $\phi$ 135.89)		8-M5x0.8P		6-e3.18		4-M10x1.5P		
型號 / 規格 MODEL / SPEC.	T1		T1		T1		T1		T1		淨重 Weight (kg)
型號 / 規格 MODEL / SPEC.	-		-		3		310 (3.1)		310 (3.1)		
MTK-04T	-		-		3		310 (3.1)		310 (3.1)		爪行程 (直徑) Jaw Stroke (Diameter) (mm)
MTK-06T	2-M5x1P(PCD $\phi$ 110)		2-M5x1P(PCD $\phi$ 110)		3		790 (7.8)		790 (7.8)		

## 二爪超精密氣壓夾頭

新產品  
**NEW**

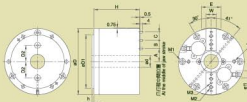
專利產品  
Patent Protected

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。預留自動潤滑管道，可與自動潤滑裝置連結。
2. 內藏式汽缸；汽缸與夾瓣密封設計，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疊排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垂直夾持精度可達 $\mu$ 級，簡化操作，實現高效率的精密加工。



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  $\mu$  degree machining processes can be simplified or shortened to make high precision machining with high efficiency come true.

### 尺寸圖 > Dimensions



### 本產品精密度可達 $\mu$ 級

This product reaches the repeatability of " $\mu$  degree"

### 應用範例 > Operation Example



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	
TK-04T	20.75	12.7	12.7	101.6	30	82.55	18	25	70.3	3.2	
TK-05T	39.75	12.7	12.7	152.4	40	124.97	25	34.5	70.3	3.2	
TK-08T	65.75	25.4	--	203.2	45	167.64	50	50	99.5	7.0	
型式/規格 MODEL /SPEC.	M1			M2			M3	W	T1		
TK-04T	6-M5x0.8P(PCDø88.9)			4-M5x0.8P			ø-3.18	16	2-M5x0.8P(PCDø70)		
TK-05T	6-M6x1P(PCDø135.89)			6-M5x0.8P			ø-3.18	22	2-M6x1P(PCDø110)		
TK-08T	6-M10x1.5P(PCDø182.88)			4-M10x1.5P			ø-6.36	25	2-M6x1.25P(PCDø150)		
型式/規格 MODEL /SPEC.	爪行程 由齒 Jaw Stroke (Diameter)(mm)	空壓夾持力 Gripping Force At Air Pressure 7 kgf/cm <sup>2</sup> (0.7Mpa) kgf		最高旋轉速 Max.Speed r.p.m (min <sup>-1</sup> )		淨重 Weight (kg)					
TK-04T	3	310 (3.1)		3500		4.2					
TK-05T	3	790 (7.8)		3500		9.5					
TK-08T	3	1450 (14.3)		3000		25.1					

## 三爪超精密氣壓夾頭

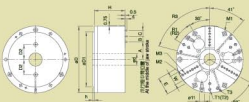
新產品  
**NEW**

專利產品  
Patent Protected

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。預留自動潤滑管道，可與自動潤滑裝置連結。
2. 內藏式汽缸；汽缸與夾瓣密封設計，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疊排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垂直夾持精度可達 $\mu$ 級，簡化操作，實現高效率的精密加工。



### 尺寸圖 > Dimensions



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.
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### 本產品精密度可達 $\mu$ 級

This product reaches the repeatability of " $\mu$  degree"

### 應用範例 > Operation Example



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	25	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)	
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-M6x1P		9-ø3.18		3-M6x1P(PCDø135.89)			3-M6x1P(PCDø110)			3-M6x1P(PCDø135.89)		30'
TK-08	6-M10x1.5P		ø-6.36		3-M8x1.25P(PCDø182.88)			3-M8x1.25P(PCDø150)			3-M8x1.25P(PCDø100)		30'
型式/規格 MODEL /SPEC.	R2	R3	爪行程 (齒徑) Jaw Stroke (Diameter) (mm)	空壓夾持力 Gripping Force At Air Pressure 7kgf/cm <sup>2</sup> (0.7Mpa) kgf (KN)		最高旋轉速 Max.Speed r.p.m/min <sup>-1</sup>		淨重 Weight (kg)					
TK-04	--	--	3	310 (3.1)		4500		4.4					
TK-06	30'	75'	3	790 (7.8)		4500		9.8					
TK-08	30'	30'	3	1450 (14.3)		4000		26.3					

# TB AIR FEED TUBE

## 氣壓迴轉器

新產品  
**NEW**



### 尺寸圖 > Dimensions

### 規格表 > Specifications

型式/規格 MODEL / SPEC.	最高迴轉速 Max. Speed	推薦潤滑油 Recommended Lubricant
TB-XX-18	8000min <sup>-1</sup>	V68同等級油 V68 or Equal

單位: UNIT/mm

# TBC AIR FEED TUBE ( FOR GRINDING MACHINES )

## 氣壓迴轉器 (注水型)

新產品  
**NEW**



### 尺寸圖 > Dimensions

### 規格表 > Specifications

型式/規格 MODEL / SPEC.	最高迴轉速 Max. Speed	推薦潤滑油 Recommended Lubricant
TBC-XX-18	8000min <sup>-1</sup>	V68同等級油 V68 or Equal

單位: UNIT/mm

# MTB AIR FEED TUBE

## 氣壓迴轉器

新產品  
**NEW**



### 尺寸圖 > Dimensions



### 規格表 > Specifications

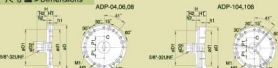
型式/規格 MODEL / SPEC.	最高迴轉速 Max. Speed	推薦潤滑油 Recommended Lubricant
MTB-XX-18	8000min <sup>-1</sup>	V68同等級油 V68 or Equal

單位: UNIT/mm

# ADP MOUNTING PLATES

## 連結盤

### 尺寸圖 > Dimensions



### 規格表 > Specifications

型式/規格 MODEL / SPEC.	D	D1	D2	d1	P1	H	H1	H2	h1	h2	M1	M2	M3
ADP-06	101.8	82.55	24	82.55	25	38	14	24	3.2	2.5	6-M5x0.8P (PCD ø88.0)	12-M5x0.8P (PCD ø88.0)	3-ø3 (PCD ø88.0)
ADP-08	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-06	203.2	187.64	30	187.64	50	54	25	29	7.0	5.0	6-M10x1.5P (PCD ø182.86)	6-M10x1.5P (PCD ø182.86)	3-ø3 (PCD ø182.86)
ADP-104	101.8	82.55	24	82.55	25	48	24	24	3.2	2.5	6-M5x0.8P (PCD ø88.0)	12-M5x0.8P (PCD ø88.0)	3-ø3 (PCD ø88.0)
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)

單位: UNIT/mm

# FR FORMING RINGS ( FOR SOFT JAWS OF SUPER PRECISION AIR CHUCKS )

## 超精密生爪成型盤

### 尺寸圖 > Dimensions



新產品  
**NEW**

### 規格表 > Specifications

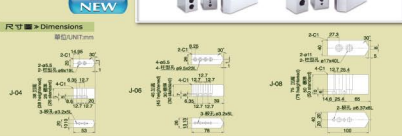
型式/規格 MODEL / SPEC.	A	B	C	D	E	F	G	H	I	J	K	L	淨重 Weight (Kg)
FR-04	112	80	22	30	6	21	12.7	12.7	12.7	6-M5x0.8P	9-ø3.175	3-M8x1.25P	1.9
FR-06	167	130	30	30	6	40	12.7	12.7	12.7	12-M5x0.8P	9-ø3.175	3-M10x1.5P	4.3
FR-08	203	160	54	35	6	66	25.4	25.4	-	6-M10x1.5P	6-ø6.35	3-M10x1.5P	7.2

單位: UNIT/mm

# J SOFT JAWS FOR SUPER PRECISION CHUCKS

## 超精密夾頭生爪

### 尺寸圖 > Dimensions



### 規格表 > Specifications

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

單位: UNIT/mm



## 三爪氣壓夾頭



尺寸圖 > Dimensions



## 雙氣缸三爪氣壓夾頭

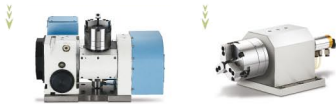


尺寸圖 > Dimensions



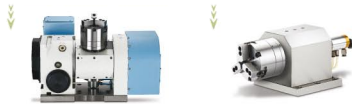
分度盤使用範例 > Operation Example for rotary table

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



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	K	抓握面積 Platen Area (cm <sup>2</sup> )
MR-04	117	60	20	3.5	74	100.7	26.7	49.5	14	10	23	87
型式/規格 MODEL /SPEC.	柱塞行程 Plunger Stroke (mm)	爪行程範圍 Jaw Stroke (Diameter) (mm)	空氣夾持力 Air Air Pressure kgf (MPa)	抓握力 Gripping Force kgf/(mm <sup>2</sup> ) (N)	最高迴轉速 Max.Speed r.p.m (min <sup>-1</sup> )	夾持範圍 Gripping Range	淨重 Weight (kg)					
MR-04	9	3.8	1100	(10.8)	3000	±10-±117	5.7					

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	抓握面積 Platen Area (cm <sup>2</sup> )
MR-04S	117	60	20	3.5	99.7	126.4	26.7	49.5	14	10	23	114
型式/規格 MODEL /SPEC.	柱塞行程 Plunger Stroke (mm)	爪行程範圍 Jaw Stroke (Diameter) (mm)	空氣夾持力 Air Air Pressure kgf (MPa)	抓握力 Gripping Force kgf/(mm <sup>2</sup> ) (N)	最高迴轉速 Max.Speed r.p.m (min <sup>-1</sup> )	夾持範圍 Gripping Range	淨重 Weight (kg)					
MR-04S	9	3.8	2200	(21.6)	4500	±10-±117	7.2					

## 迴轉式氣壓夾盤

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



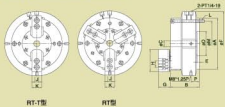
- 1.氣缸防銹處理：在磨損及工作環境較差的場合，氣缸內部防銹處理，不會生銹或卡死。
- 2.防塵裝置：工作中產生的鐵屑及切液不會進入夾盤內部的缸室，確保夾盤的使用壽命及精度保持。
- 3.前蓋式氣缸：氣缸與夾盤蓋結構設計，確保夾持的穩定性，更方便於組裝及操作。



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.Rustproof treated cylinder:  
The cylinder won't get rusty and seized even in wet or high moisture working environment.
- 2.Dust and water proof cover:  
Prevent metal chips or coolant from entering inside of chuck cylinder to maintain its accuracy and lead to longer service life.
- 3.Inegral 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.

### 尺寸圖 > Dimensions



### 使用範例 > Operation Example



### 規格表 > Specifications

型式/規格 MODEL / SPEC.	A	B	C	D	E	F	G	H	I	J	K	L
RT-05	140	85	16	60	6	180	33	62	14	10	25	6-M8x1.25P
RT-06	170	93	20	80	7	210	40	73	20	12	31	6-M8x1.25P
RT-07	215	112	30	110	8	260	42	85	25	14	36	6-M10x1.5P
RT-10	255	120	43	140	8	290	46	110	30	18	40	6-M10x1.5P
RT-05T	140	85	16	60	6	180	33	62	14	10	25	6-M8x1.25P
RT-06T	170	93	20	80	7	210	40	73	20	12	31	6-M8x1.25P

型式/規格 MODEL / SPEC.	M	P	通孔直徑 Thru-Hole (Diameter) (mm)	抓握面積 Platen Area (cm <sup>2</sup> )	柱塞行程 Plunger Stroke (mm)	爪行程(由底) Jaw Stroke (Diameter) (mm)
RT-05	φ118	27	16	74	10	4.6
RT-06	φ147	27	20	120	16	5.5
RT-08	φ185	28	30	190	16	6.8
RT-10	φ220	30.5	43	280	19	8.0
RT-05T	φ118	27	16	74	10	4.6
RT-06T	φ147	27	20	120	13	5.5

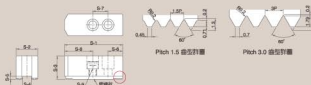
  

型式/規格 MODEL / SPEC.	最高轉速 Max.Speed r.p.m.(min <sup>-1</sup> )	最大型空壓力 Max.Pressure kgf/cm <sup>2</sup> (Mpa)	氣壓夾持力 Gripping Force At Air Pressure kgf/cm <sup>2</sup> (0.7Mpa) kgf (kN)	夾持範圍 Gripping Range	淨重 Weight (kg)
RT-05	51	7 (0.7)	1340 (23.0)	φ4-φ136	9.3
RT-06	41	7 (0.7)	2330 (22.8)	φ25-φ166	15.5
RT-08	33	7 (0.7)	3730 (36.5)	φ33-φ215	28.5
RT-10	26	7 (0.7)	5480 (53.7)	φ43-φ255	42.3
RT-05T	51	7 (0.7)	1340 (13.1)	φ4-φ136	9.0
RT-06T	41	7 (0.7)	2330 (22.8)	φ25-φ166	15.0

## 油壓生爪



### 尺寸圖 > Dimensions



### 規格表 > Specifications

型式/規格 MODEL / SPEC.	S-1	S-2	S-3	S-4	S-5	S-6	S-7	S-8	S-9	螺紋狀距 Serration Pitch	淨重 Weight (kg)
SJ-04	49.5	23	23	10	4.5	10	14	25.5	M8x1.25P	1.5 x 60°	0.42
SJ-05	62	25	30	10	4.5	10	14	38	M8x1.25P	1.5 x 60°	0.85
SJ-06	73	31	36	12	5	15	20	38	M10x1.5P	1.5 x 60°	1.5
SJ-08	95	35	38	14	5	24	25	46	M12x1.75P	1.5 x 60°	2.4
SJ-10	110	40	42	16	5	30	30	50	M12x1.75P	1.5 x 60°	3.6
SJ-12	129	50	50	21(18)	6	39	30	60	M16x2P (M14x2P)	1.5 x 60°	6.1
SJ-15	165	62	62	22(25.5)	8(5)	37	43	85	M20x2.5P	1.5 x 60°	12.5
SJ-18	185	62	62	22(25.5)	8(5)	37	43	85	M20x2.5P	1.5 x 60°	12.5
SJ-21	180	65	70	25	9	40	60	80	M20x2.5P	3.0 x 60°	16.2
SJ-24	180	65	70	25	9	40	60	80	M20x2.5P	3.0 x 60°	16.2

## SPECIAL SOFT JAWS FOR HYDRAULIC CHUCKS

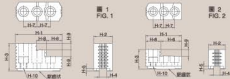
### 特殊油壓生爪 (加長、加高、加寬)



## 油壓硬爪



尺寸圖 > Dimensions



規格表 > Specifications

型式 / 規格 MODEL / SPEC.	H-1	H-2	H-3	H-4	H-5	H-6	H-7	H-8	H-9	H-10	螺旋狀節距 Serration Pitch	淨重 Weight (kg)	參考圖 Reference Drawing
HJ-04	53	23	28	10	4	29	14	24	10	M8x1.25P	1.5 x 60'	0.4	圖-2 Fig.2
HJ-05	53	23	28	10	4	29	14	24	10	M8x1.25P	1.5 x 60'	0.4	圖-2 Fig.2
HJ-06	67	31	36	12	5	39	20	28	12	M10x1.5P	1.5 x 60'	0.95	圖-2 Fig.2
HJ-08	87	39	51	14	5	39.5	25	18	12	M12x1.75P	1.5 x 60'	1.9	圖-1 Fig.1
HJ-10	101	45	54	16	5	45.5	30	18	13	M12x1.75P	1.5 x 60'	2.8	圖-1 Fig.1
HJ-12	108	50	67	21(18)	4(5)	49	30	20	16	M16x2P(M14x2P)	1.5 x 60'	3.5	圖-1 Fig.1
HJ-15	143	62	86	23(25.5)	8(5)	55	43	38	20	M20x2.5P	1.5 x 60'	9.5	圖-1 Fig.1
HJ-18	143	62	86	23(25.5)	8(5)	55	43	38	20	M20x2.5P	1.5 x 60'	9.5	圖-1 Fig.1
HJ-21	158.5	80	90	25	9	97.5	50	62	40	M20x2.5P	3 x 60'	15.3	圖-2 Fig.2
HJ-24	158.5	80	90	25	9	97.5	50	62	40	M20x2.5P	3 x 60'	15.3	圖-2 Fig.2

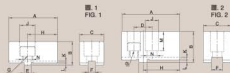
單位:UNIT/mm

## SOFT JAWS FOR PULL BACK POWER CHUCKS

### 後拉式夾頭專用生爪



尺寸圖 > Dimensions



規格表 > Specifications

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	38	17	20	M16x2P	78	26	3.5	3.5	36	17.5	圖-2 Fig.2

單位:UNIT/mm

## 連結盤

- 各種異種規格，千態連結盤均能適配使用。
- \* Chadox \* mounting plates are available to any kinds of spindle noses.

尺寸圖 > Dimensions

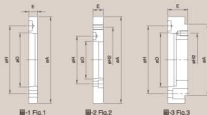


圖-1 Fig.1

圖-2 Fig.2

圖-3 Fig.3



圖-1 Fig.1

圖-2 Fig.2

圖-3 Fig.3

規格表 > Specifications

型式 / 規格 MODEL / SPEC.	螺旋節距 Nose of Spindle D	A	H	H2	E	參考圖 Reference Drawing
T005A.4	A.4	110	82.6	--	20	圖-1 fig.1
T008A.5	A.5	140	104.8	--	15	圖-1 fig.1
T008A.6	A.6	170	133.4	--	17	圖-1 fig.1
T010A.8	A.8	220	171.4	--	18	圖-1 fig.1
T012A.8	A.8	220	171.4	--	18	圖-1 fig.1
T015A.11	A.11	300	235	--	22	圖-1 fig.1
T018A.11	A.11	300	235	--	22	圖-1 fig.1
T021A.15	A.15	380	300.2	--	27	圖-1 fig.1
T024A.20	A.20	520	463.6	--	27	圖-1 fig.1

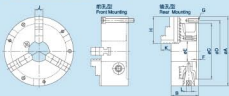
單位:UNIT/mm

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

# SC 3-JAW SCROLL CHUCKS

## 普通型三爪夾頭

尺寸圖 > Dimensions



規格表 > Specifications

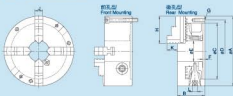
型式/規格 MODEL /SPEC.	A	B	C	D	E	F	G	H	J	K	L	最高迴轉速 Max. Speed r.p.m. (min <sup>-1</sup> )	抱緊範圍 Max. Gripping Diameter φ (mm)	淨重 Weight (kg)	
SC-03	85	45	60	73	16	3.5	3-M8x1P	35	11	15	7	2500	φ2-φ70	φ34-φ64	1.5
SC-04	112	58	80	95	24	4.5	3-M8x1.25P	42	14	17	8	2500	φ3-φ93	φ32-φ84	3.3
SC-05	132	80	100	115	32	4.8	3-M8x1.25P	50	16	20	8	2500	φ3-φ110	φ35-φ100	4.8
SC-08	167	95	130	147	45	5	3-M10x1.5P	65	19	23	10	2000	φ4-φ160	φ48-φ150	7.9
SC-07	183	78	155	172	58	5	3-M10x1.5P	75	22	28	11	2000	φ4-φ180	φ56-φ170	12.0
SC-08	203	78	180	178	58	5	3-M10x1.5P	75	22	28	11	2000	φ4-φ180	φ56-φ170	13.3
SC-09	233	84	190	210	70	5.5	3-M12x1.75P	85	24	32	12	2000	φ5-φ220	φ62-φ210	19.3
SC-10	273	86	230	250	89	5.5	3-M12x1.75P	98	28	35	12	1800	φ5-φ280	φ70-φ250	28.2
SC-12	310	96	280	285	105	7	3-M12x1.75P	110	30	45	14	1800	φ10-φ300	φ86-φ290	37.8
SC-18	405	122	345	375	160	8	6-M14x2P	146	40	56	15	1500	φ14-φ400	φ100-φ380	80.7

單位(UNIT)mm

# PS 4-JAW SCROLL CHUCKS

## 連動型四爪夾頭

尺寸圖 > Dimensions



規格表 > Specifications

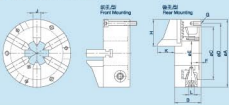
型式/規格 MODEL /SPEC.	A	B	C	D	E	F	G	H	J	K	L	最高迴轉速 Max. Speed r.p.m. (min <sup>-1</sup> )	抱緊範圍 Max. Gripping Diameter φ (mm)	淨重 Weight (kg)	
PS-07	193	78	155	172	58	5	3-M10x1.5P	75	22	28	11	2000	φ4-φ180	φ56-φ170	12.1
PS-09	233	84	190	210	70	5.5	3-M12x1.75P	85	24	34.5	12	2000	φ5-φ220	φ62-φ210	19.4
PS-12	310	96	260	285	105	7	3-M12x1.75P	110	30	45	14	1800	φ10-φ300	φ86-φ290	38.1
PS-18	405	122	345	375	160	8	6-M14x2P	146	40	56	15	1500	φ14-φ400	φ100-φ380	82.4

單位(UNIT)mm

# AS 6-JAW AWL TYPE CHUCKS

## 錐型六爪夾頭

尺寸圖 > Dimensions



規格表 > Specifications

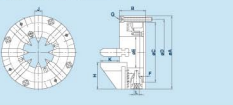
型式/規格 MODEL /SPEC.	A	B	C	D	E	F	G	H	J	K	L	最高迴轉速 Max. Speed r.p.m. (min <sup>-1</sup> )	抱緊範圍 Max. Gripping Diameter φ (mm)	淨重 Weight (kg)
AS-04	112	58	80	95	32	4.5	3-M8x1.25P	45	14	16	8	1200	φ2-φ32	3.8
AS-07	167	95	130	147	45	5.0	3-M10x1.5P	60	19	43	10	1200	φ3-φ60	8.2

單位(UNIT)mm

# AE 8-JAW AWL TYPE CHUCKS

## 錐型八爪夾頭

尺寸圖 > Dimensions



規格表 > Specifications

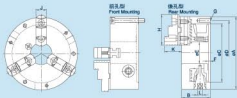
型式/規格 MODEL /SPEC.	A	B	C	D	E	F	G	H	J	K	L	最高迴轉速 Max. Speed r.p.m. (min <sup>-1</sup> )	抱緊範圍 Max. Gripping Diameter φ (mm)	淨重 Weight (kg)
AE-09	233	84	190	210	100	5.5	4-M12x1.75P	85	24	80	12	1000	φ7-φ100	21

單位(UNIT)mm

# SK 3-JAW POWERFUL TYPE SCROLL CHUCKS

## 強力型三爪夾頭

### 尺寸圖 > Dimensions



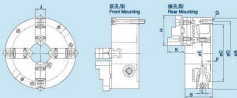
### 規格表 > Specifications

型式/規格 MODEL /SPEC.	尺寸/mm											最高迴轉速 Max.Speed r.p.m.(min)	夾持範圍 Max. Gripping Diameter			淨重 Weight (kg)
	A	B	C	D	E	F	G	H	J	K	L		外徑夾持 O.D.Clamping	內徑夾持 I.D.Clamping	淨重 Weight (kg)	
SK-04	112	58	80	95	24	4.5	3-M8x1.25P	47	19	31.5	8	2500	a8-a100	a8-a60	3.45	
SK-05	132	60	100	115	32	4.5	3-M8x1.25P	57	24	38	8	2500	a8-a123	a43-a122	5.0	
SK-06	167	66	130	147	45	5	3-M10x1.5P	68	26	39	10	2000	a8-a160	a55-a150	8.6	
SK-07	183	76	155	172	58	5	3-M10x1.5P	82	28	43	11	2000	a8-a180	a52-a170	12.8	
SK-08	203	76	180	176	58	5	3-M10x1.5P	82	28	43	11	2000	a8-a180	a52-a170	14.1	
SK-09	233	84	190	210	70	5.5	3-M12x1.75P	92	30	52	12	2000	a11-a200	a70-a810	20.4	
SK-10	273	86	230	250	89	5.5	3-M12x1.75P	102	32	54.5	12	1800	a12-a260	a80-a250	28.7	
SK-12	310	96	260	285	105	7	3-M12x1.75P	118	40	56	14	1800	a15-a300	a90-a290	39.3	
SK-16	405	122	345	375	160	8	6-M14x2P	150	50	75	15	1500	a30-a400	a110-a360	82.3	
SK-20	500	140	420	458	205	8.5	6-M16x2P	140	55	84	19	1000	a25-a480	a125-a460	--	

# PSK 4-JAW POWERFUL TYPE SCROLL CHUCKS

## 強力連動型四爪夾頭

### 尺寸圖 > Dimensions



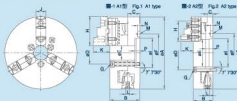
### 規格表 > Specifications

型式/規格 MODEL /SPEC.	尺寸/mm											最高迴轉速 Max.Speed r.p.m.(min)	夾持範圍 Max. Gripping Diameter			淨重 Weight (kg)
	A	B	C	D	E	F	G	H	J	K	L		外徑夾持 O.D.Clamping	內徑夾持 I.D.Clamping	淨重 Weight (kg)	
PSK-07	193	76	155	172	58	5	3-M10x1.5P	82	28	43	11	2000	a8-a180	a52-a170	12.7	
PSK-09	233	84	190	210	70	5.5	3-M12x1.75P	92	32	50	12	2000	a11-a220	a70-a210	20.8	
PSK-12	310	96	260	285	105	7	3-M12x1.75P	118	40	56	14	1800	a15-a300	a90-a290	43.8	
PSK-16	405	122	345	375	160	8	6-M14x2P	150	50	75	15	1500	a30-a400	a110-a360	86.7	
PSK-20	500	140	420	458	205	8.5	6-M16x2P	140	55	84	19	1000	a25-a480	a125-a460	--	

# A1(A2) 3-JAW A1(A2) TYPE CHUCKS

## 直裝型三爪夾頭

### 尺寸圖 > Dimensions



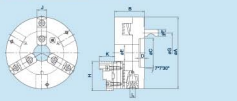
### 規格表 > Specifications

型式/規格 MODEL /SPEC.	尺寸/mm													最高迴轉速 Max.Speed r.p.m.(min)	夾持範圍 Max. Gripping Diameter			淨重 Weight (kg)		
	A	B	C	D	E	F	G	H	I	J	K	L	M		N	外徑夾持 O.D.Clamping	內徑夾持 I.D.Clamping		淨重 Weight (kg)	
A-5-08*	200	83	33.5	61.9	40	a104.8	3-M10x1.5P	82	82.563	28	43	11	14.29	a16.3	6.8	圖-1 1g,1	2000	a8-a180	a52-a170	17.4
A-6-10*	200	83	33.5	82.6	56	a133.4	3-M12x1.75P	82	106.375	28	43	11	15.88	a19.3	6.8	圖-1 1g,1	2000	a8-a180	a52-a170	18
A-6-10*	255	91.5	36.5	82.6	56	a133.4	3-M12x1.75P	80	106.375	32	50	12	15.88	a19.3	6.8	圖-1 1g,1	1800	a11-a240	a70-a230	30.6
A11-20*	500	135	40	235	190.5	a235	6-M20x2.5P	140	196.889	55	84	19	--	a25.4	10.7	圖-2 1g,2	1000	a25-a480	a125-a460	--

# D1 3-JAW D1 TYPE CHUCKS

## 直裝型三爪夾頭

### 尺寸圖 > Dimensions



### 規格表 > Specifications

型式/規格 MODEL /SPEC.	尺寸/mm											最高迴轉速 Max.Speed r.p.m.(min)	夾持範圍 Max. Gripping Diameter			淨重 Weight (kg)
	A	B	C	D	E	F	G	H	J	K	L		外徑夾持 O.D.Clamping	內徑夾持 I.D.Clamping	淨重 Weight (kg)	
D-5-08*	200	83	82.563	15	46	19	104.8	82	28	43	11	2000	a8-a180	a52-a170	17.8	
D-5-10*	200	83	106.375	16	58	22.2	133.4	82	28	43	11	2000	a8-a180	a52-a170	17.3	
D-5-10*	255	94	106.375	16	76	22.2	133.4	90	32	50	12	1800	a11-a240	a70-a230	31.3	
D-5-10*	255	94	139.719	18	76	25.4	171.4	90	32	50	12	1800	a11-a240	a70-a230	30.9	
D-8-12*	310	105	139.719	18	103	25.4	171.4	118	40	56	14	1800	a15-a300	a90-a290	51.1	
D-11-20*	500	135	196.889	--	190.5	30.2	235	140	55	84	19	1000	a25-a480	a125-a460	--	

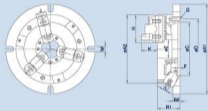
## 強力超薄型夾盤

1. 把手和盤面成30°角，旋轉操作更便利。
2. 厚型設計，可增加機械加工之許許多餘。
3. 外徑成凸緣設計，裝卸容易。
4. 強力型設計可用生爪。



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.

### 尺寸圖 > Dimensions



### 規格表 > Specifications

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	8.0	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	25	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	把盤直徑 Max. Gripping Diameter		淨重 Weight (kg)
			外在把盤 O.D. Clamping (mm)	內徑把盤 I.D. Clamping (mm)	
NBK-06	10	13	ø8-ø180	ø48-ø150	10.6
NBK-08	11	13	ø11-ø200	ø52-ø190	16.1
NBK-10	12	16	ø12-ø250	ø72-ø240	27.9
NBK-12	14	18	ø15-ø300	ø86-ø290	42.9

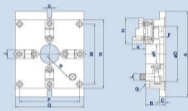
## 方型超薄夾盤

專利產品  
Patent Protected



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

### 尺寸圖 > Dimensions



### 使用範例 > Operation Example



### 規格表 > Specifications

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

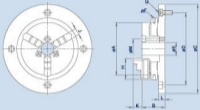
型式/規格 MODEL /SPEC.	N	P	Q	R	S	把盤直徑 Max. Gripping Diameter		淨重 Weight (kg)
						外在把盤 O.D. Clamping (mm)	內徑把盤 I.D. Clamping (mm)	
MC-06	165	144	165	86	18	ø4-ø128	ø55-ø128	11.4
MC-08	200	174	200	83	18	ø5-ø162	ø62-ø162	16.6
MC-10	250	218	250	104	18	ø6-ø200	ø72-ø200	31.6
MC-12	310	274	310	135	22	ø10-ø265	ø90-ø265	56.6

## 超薄型夾盤

新產品  
NEW

1. 輕、薄、短小的設計，適用於工件量測夾持。
2. 直接轉動旋盤，免於使用扳手旋轉干涉。
3. 鋼製本體，耐用性最佳。
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。

## 尺寸圖 &gt; Dimensions



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 &gt; Specifications

單位:MM/IN

型式/規格 MODEL / SPEC.	A	B	C	D	E	F
SE-02	63	28	118	100	16	4
SE-03	85	37	143	116	20	4
SE-04	110	39	168	140	25	5
SE-05	130	45	202	168	32	6
SE-06	160	52	248	208	50	8

型式/規格 MODEL / SPEC.	G	H	J	K	L
SE-02	4-M5x0.8P	27	8	13	8
SE-03	4-M6x1P	35	11	15	10.5
SE-04	4-M6x1P	42	14	19	10
SE-05	4-M8x1.25P	50	16	21	11.5
SE-06	4-M10x1.5P	65	19	26	15

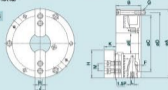
型式/規格 MODEL / SPEC.	M	外徑夾距 O.D. Clamping (mm)	把握範圍 Max. Gripping Diameter	內徑夾距 I.D. Clamping (mm)	淨重 Weight (kg)
SE-02	26	ø0.8-ø63		ø23-ø58	1.2
SE-03	32	ø1-ø81		ø31-ø70	2.9
SE-04	40	ø1-ø100		ø36-ø90	4.3
SE-05	48	ø1.5-ø116		ø43-ø106	6.2
SE-06	70	ø1.5-ø160		ø52-ø148	11.1

## 齒式二爪鋼殼夾頭

新產品  
NEW

1. 可替代修磨油壓生爪或齒圈。
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車床進刀共用。
4. 齒圈粘貼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簡便。

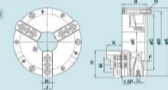
## 尺寸圖 &gt; Dimensions



## NT 3-JAW STEEL BODY CHUCKS

## 齒式三爪鋼殼夾頭

## 尺寸圖 &gt; Dimensions



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 stability operations for high speed machining.
5. The Chuck Handle can be operated easily and smoothly.

## 特點配合圖示說明 &gt; Illustrate



可替代修磨油壓生爪或齒圈



爪仔可前後任意調整加大夾持工件範圍



硬爪與軟爪夾頭與生爪共用



生爪與硬爪夾頭生爪共用

專用附件  
Optional accessory:  
Mounting plate.

## 規格表 &gt; Specifications

單位:MM/IN

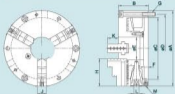
型式/規格 MODEL / SPEC.	A	B	C	D	E	F	G	H	J	K	L	M	R	最高轉速 Max. Speed rpm.(min <sup>-1</sup> )	外徑夾距 O.D. Clamping (mm)	把握範圍 Max. Gripping Diameter 內徑夾距 I.D. Clamping (mm)	淨重 Weight (kg)
TNT-07	193	78	155	172	58	5	3-M10x1.5P	73	31	38	11	20	12	3200	ø6-ø235	ø66-ø235	14.4
TNT-09	233	85	190	210	70	5.5	3-M12x1.75P	95	35	40	12	25	14	2800	ø11-ø280	ø85-ø280	22.3

## 規格表 &gt; Specifications

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 rpm.(min <sup>-1</sup> )	外徑夾距 O.D. Clamping (mm)	把握範圍 Max. Gripping Diameter 內徑夾距 I.D. Clamping (mm)	淨重 Weight (kg)
NT-07	193	78	155	172	58	5	3-M10x1.5P	78	28	45	11	20	12	3200	ø8-ø235	ø66-ø235	13.1
NT-09	233	85	190	210	70	5.5	3-M12x1.75P	92	32	42	12	25	14	2800	ø11-ø280	ø85-ø280	21.2
NT-10	275	91	230	250	88	5.5	3-M12x1.75P	101.5	37	56	12	30	16	2400	ø12-ø330	ø90-ø330	30.5
NT-12	310	104	280	285	105	7	3-M12x1.75P	116	47	67	14	30	21	2100	ø15-ø370	ø104-ø370	46.1

## 可調式普通型三爪鋼殼夾頭

尺寸圖 > Dimensions

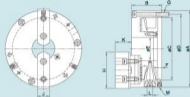


規格表 > Specifications

型式/規格 MODEL /SPEC.	A	B	C	D	E	F	G	H	J	K	L	M	單位/UNIT:mm			
													最高迴轉速 Max.Speed r.p.m.(min <sup>-1</sup> )	總握範圍 Max. Gripping Diameter 外徑範圍 O.D.Clamping	內徑範圍 I.D.Clamping	淨重 Weight (kg)
CT-06	167	75.5	130	147	45	12	3-M10x1.5P	65	22	28	10	3-M12x1.75P	4000	ø4-ø160	ø56-ø150	10.4
CT-07	183	85	155	172	58	12	3-M10x1.5P	75	24	28.5	11	3-M12x1.75P	3500	ø4-ø160	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	30.4
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

## 可調式強力型二爪鋼殼夾頭

尺寸圖 > Dimensions

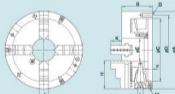


規格表 > Specifications

型式/規格 MODEL /SPEC.	A	B	C	D	E	F	G	H	J	K	L	M	單位/UNIT:mm			
													最高迴轉速 Max.Speed r.p.m.(min <sup>-1</sup> )	總握範圍 Max. Gripping Diameter 外徑範圍 O.D.Clamping	內徑範圍 I.D.Clamping	淨重 Weight (kg)
TKT-07	193	85	155	172	58	12	3-M10x1.5P	85	31	49.5	11	3-M12x1.75P	3500	ø10-ø180	ø70-ø170	14.8
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

## 可調式普通型四爪鋼殼夾頭

尺寸圖 > Dimensions

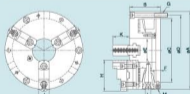


規格表 > Specifications

型式/規格 MODEL /SPEC.	A	B	C	D	E	F	G	H	J	K	L	M	單位/UNIT:mm			
													最高迴轉速 Max.Speed r.p.m.(min <sup>-1</sup> )	總握範圍 Max. Gripping Diameter 外徑範圍 O.D.Clamping	內徑範圍 I.D.Clamping	淨重 Weight (kg)
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

## 可調式強力型三爪鋼殼夾頭

尺寸圖 > Dimensions



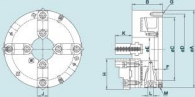
規格表 > Specifications

型式/規格 MODEL /SPEC.	A	B	C	D	E	F	G	H	J	K	L	M	單位/UNIT:mm			
													最高迴轉速 Max.Speed r.p.m.(min <sup>-1</sup> )	總握範圍 Max. Gripping Diameter 外徑範圍 O.D.Clamping	內徑範圍 I.D.Clamping	淨重 Weight (kg)
KT-06	167	75.5	130	147	45	12	3-M10x1.5P	66	26	29	10	3-M12x1.75P	4000	ø6-ø160	ø52-ø150	9.7
KT-07	183	85	155	172	58	12	3-M10x1.5P	82	28	33	11	3-M12x1.75P	3500	ø6-ø180	ø52-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	21.4
KT-10	275	98	230	250	89	12.5	3-M12x1.75P	102	35	54	12	3-M12x1.75P	2500	ø12-ø260	ø80-ø250	30.5
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



可調式強力型四爪鋼殼夾頭

尺寸圖 > Dimensions

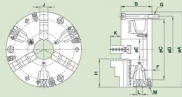


規格表 > Specifications

型式/規格 MODEL /SPEC.	A	B	C	D	E	F	G	H	J	K	L	M	最高迴轉速 Max.Speed r.p.m.(min <sup>-1</sup> )	夾持範圍 O.D. Clamping	Max. Gripping Diameter 內徑把磨 I.D. Clamping	淨重 Weight (kg)	單位/UNIT
																	mm
FKT-07	193	85	156	172	58	12	3-M10x1.5P	82	28	43	11	3-M12x1.75P	3500	e8-e190	e62-e170	14.1	
FKT-09	233	92	190	210	70	12.5	3-M12x1.75P	93	32	51	12	3-M12x1.75P	2900	e11-e220	e70-e210	22	
FKT-10	275	98	230	250	89	12.5	3-M12x1.75P	102	35	54	12	3-M12x1.75P	2500	e12-e260	e80-e250	33.5	
FKT-12	310	111	260	285	105	14	3-M12x1.75P	118	40	58	14	3-M12x1.75P	2200	e15-e300	e90-e290	46.1	

可調式普通型三爪鋼殼夾頭

尺寸圖 > Dimensions



規格表 > Specifications

型式/規格 MODEL /SPEC.	A	B	C	D	E	F	G	H	J	K	M	L	最高迴轉速 Max.Speed r.p.m.(min <sup>-1</sup> )	夾持範圍 O.D. Clamping	Max. Gripping Diameter 內徑把磨 I.D. Clamping	淨重 Weight (kg)	單位/UNIT
																	mm
3DACT-04	100	60	70	83	20	10	3-M8x1.25P	42	14	17	4-M8x1.25P	8	5200	e3-e95	e30-e83		
3DACT-05	125	65	85	108	32	10.5	3-M8x1.25P	50	16	20	4-M10x1.5P	8	4800	e3-e122	e35-e111		
3DACT-06	160	75	125	140	42	12	3-M10x1.5P	65	19	23	4-M12x1.75P	10	4200	e4-e160	e46-e155		
3DACT-08	200	82.5	160	176	55	12	3-M10x1.5P	75	22	28	4-M12x1.75P	11	3500	e4-e197	e51-e184		
3DACT-10	250	91	200	224	76	13	3-M12x1.75P	98	28	38.5	4-M12x1.75P	12	2600	e6-e255	e70-e252		
3DACT-12	315	103	260	296	103	14	3-M16x2P	110	30	44.5	4-M12x1.75P	14	2200	e10-e325	e81-e308		
3DACT-15	400	122	330	362	136	15	3-M16x2P	146	40	56	4-M12x1.75P	17	1600	e14-e428	e106-e410		

強力生爪

尺寸圖 > Dimensions



規格表 > Specifications

型式/規格 MODEL /SPEC.	A	B	C	D	E	F	G	H	J	K	L	M	N	淨重 Weight	單位/UNIT
															mm
SO04Jaw	52	30	19	24	9.53	7.94	M8x1P	14	11	3	2.5	21	7	0.45	
SO05Jaw	62	36	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	85	48	31	44.4	12.68	7.94	M10x1.5P	25.3	17	3.8	3	34	11	2.6	
SO08Jaw	110	48	37	54	18.03	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	5.6	
SO16Jaw	160	70	50	78.2	19.03	12.7	M16x2P	41.9	25	5.5	6	48	17	10.4	
SO20Jaw	180	80	55	78.2	19.03	12.7	M20x2.5P	41.9	32	5.5	6	58	21	-	

可調式普通型四爪鋼殼夾頭

尺寸圖 > Dimensions



規格表 > Specifications

型式/規格 MODEL /SPEC.	A	B	C	D	E	F	G	H	J	K	M	L	最高迴轉速 Max.Speed r.p.m.(min <sup>-1</sup> )	夾持範圍 O.D. Clamping	Max. Gripping Diameter 內徑把磨 I.D. Clamping	淨重 Weight (kg)	單位/UNIT
																	mm
4DACT-08	200	82.5	160	176	55	12	3-M10x1.5P	75	22	28	4-M12x1.75P	11	3500	e4-e197	e51-e184		
4DACT-10	250	91	200	224	76	13	3-M12x1.75P	98	28	38.5	4-M12x1.75P	12	2600	e6-e255	e70-e252		
4DACT-12	315	103	260	296	103	14	3-M16x2P	110	30	44.5	4-M12x1.75P	14	2200	e10-e325	e81-e308		
4DACT-15	400	122	330	362	136	15	3-M16x2P	146	40	56	4-M12x1.75P	17	1600	e14-e428	e106-e410		

可調式普通型六爪鋼殼夾頭

尺寸圖 > Dimensions



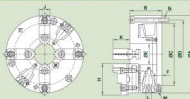
規格表 > Specifications

單位/UNIT:mm

型式/規格 MODEL /SPEC.	A	B	C	D	E	G	F	H	J	K	L	M	最高迴轉速 Max.Speed (r.p.m./min)	抱緊距離 O.D.Clamping	Max. Gripping Diameter	內徑公差 內徑公差 I.D.Clamping
6DACT-08	200	82.5	160	176	55	3-M10x1.5P	12	75	22	28	11	4-M12x1.75P	2900	ø4-ø183	ø51-ø170	
6DACT-10	250	91	200	224	76	3-M12x1.75P	13	98	26	38.5	12	4-M12x1.75P	2200	ø6-ø249	ø70-ø230	
6DACT-12	315	103	260	286	103	3-M16x2P	14	110	30	44.5	14	4-M12x1.75P	1800	ø10-ø205	ø81-ø288	
6DACT-15	400	122	330	362	136	3-M16x2P	15	146	40	56	17	4-M12x1.75P	1300	ø14-ø406	ø105-ø387	

可調式強力型四爪鋼殼夾頭

尺寸圖 > Dimensions



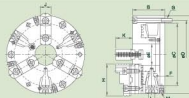
規格表 > Specifications

單位/UNIT:mm

型式/規格 MODEL /SPEC.	A	B	C	D	E	G	F	H	J	K	L	M	最高迴轉速 Max.Speed (r.p.m./min)	抱緊距離 O.D.Clamping	Max. Gripping Diameter	內徑公差 內徑公差 I.D.Clamping
4DAKT-08	200	82.5	160	176	55	3-M10x1.5P	12	82	28	43	11	4-M12x1.75P	2500	ø5-ø205	ø59-ø190	
4DAKT-10	250	91	200	224	76	3-M12x1.75P	13	102	35	54.5	12	4-M12x1.75P	2600	ø12-ø205	ø78-ø249	
4DAKT-12	315	103	260	286	103	3-M16x2P	14	117.5	40	56.5	14	4-M12x1.75P	2200	ø15-ø323	ø86-ø296	
4DAKT-15	400	122	330	362	136	3-M16x2P	15	150	50	74.5	17	4-M12x1.75P	1600	ø30-ø419	ø124-ø396	

可調式強力型三爪鋼殼夾頭

尺寸圖 > Dimensions



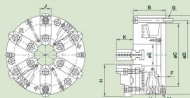
規格表 > Specifications

單位/UNIT:mm

型式/規格 MODEL /SPEC.	A	B	C	D	E	G	F	H	J	K	L	M	最高迴轉速 Max.Speed (r.p.m./min)	抱緊距離 O.D.Clamping	Max. Gripping Diameter	內徑公差 內徑公差 I.D.Clamping
3DAKT-05	125	65	95	108	32	3-M8x1.25P	10.5	57	24	36	8	4-M10x1.5P	4800	ø3-ø121	ø44-ø120	
3DAKT-06	180	72.5	125	140	42	3-M10x1.5P	12	68	26	38.5	10	4-M12x1.75P	4200	ø6-ø189	ø50-ø158	
3DAKT-08	200	82.5	160	176	55	3-M10x1.5P	12	82	28	43	11	4-M12x1.75P	3500	ø6-ø206	ø58-ø191	
3DAKT-10	250	91	200	224	76	3-M12x1.75P	13	102	35	54.5	12	4-M12x1.75P	2600	ø13-ø208	ø77-ø250	
3DAKT-12	315	103	260	286	103	3-M16x2P	14	117.5	40	56.5	14	4-M12x1.75P	2200	ø15-ø340	ø85-ø313	
3DAKT-15	400	122	330	362	136	3-M16x2P	15	150	50	74.5	17	4-M12x1.75P	1600	ø30-ø440	ø123-ø416	

可調式強力型六爪鋼殼夾頭

尺寸圖 > Dimensions



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	最高迴轉速 Max.Speed (r.p.m./min)	抱緊距離 O.D.Clamping	Max. Gripping Diameter	內徑公差 內徑公差 I.D.Clamping
6DAKT-08	200	82.5	160	176	55	3-M10x1.5P	12	82	28	43	11	4-M12x1.75P	2900	ø7-ø193	ø67-ø178	
6DAKT-10	250	91	200	224	76	3-M12x1.75P	13	102	35	54.5	12	4-M12x1.75P	2200	ø19-ø248	ø84-ø232	
6DAKT-12	315	103	260	286	103	3-M16x2P	14	117.5	40	56.5	14	4-M12x1.75P	1800	ø23-ø323	ø93-ø296	
6DAKT-15	400	122	330	362	136	3-M16x2P	15	150	50	74.5	17	4-M12x1.75P	1300	ø30-ø419	ø124-ø396	



### 您必須知道的輪軸夾頭品牌—

適用於客車、大小型卡車、巴士和機車

LMC Workholding 在市場包括客車、小型卡車、大卡車和巴士輪軸製造商的夾持工具市場快速成為領導者。OKUMA 精密機床提供全球大部分製造精密零件的機械，而 LMC 是其合作夥伴，整個團隊包括 Okuma、LMC、Chiron 和 Fanuc Robotics。

LMC 研發出可以快速替換並且輕盈的新式輪軸夾頭科技，我們的工程師在輪軸夾頭、油壓缸和油壓驅動領域都有多年經驗，我們也提供和輪軸夾頭相配使用的油壓缸。價格 LMC，滿足您所有輪軸製造的需求。

### The Name to Know in Wheel Chucks—For Passenger Cars, Light Trucks, Heavy Trucks, Buses & Motorcycles

LMC Workholding is rapidly becoming the market leader in workholding for the manufacture of wheels for passenger cars, light trucks, trucks and buses.

LMC is a partner in the Okuma Wheel Team which provides the bulk of wheel cell equipment worldwide. Okuma, LMC, Chiron and Fanuc Robotics make up the Wheel Team.

LMC has engineered new wheel chuck technologies to include quick change and lightweight models. Our engineering staff offers years of wheel chuck design and implementation experience.

Years of hydraulic actuator and power chuck experience too. LMC also offers matching wheel chuck cylinders. Rely on LMC Workholding for your wheel production needs.



### 標準和輕型系列

本系列共有四種型號滿足各種輪軸製造需求。WT1 適用於製造汽車和小型卡車夾頭，另外範圍 149 到 209mm，卡車和公車輪軸最大範圍可到 24.59 吋。請聯絡本公司取得最理想的夾持方案！

輕型化的 US 系列夾頭可延長主軸壽命，同時加速加工週期時間。標準的零件檢測系統由三個空氣活化感應器組成，其作用為感應工件是否安裝正確，作為自動化機器子加工工用的基本元件。

### Standard and Lightweight Series

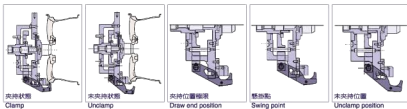
This chuck, available in four models, does it all. The WT1 fits automobile and light truck wheels 149 to 209, truck and bus wheels up to 24.59.

Contact LMC Workholding for the optimum clamping solution. US Series chucks are lightweight for increased spindle life and faster cycle times.

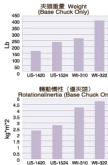
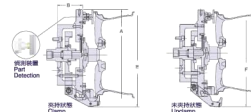
Optional part detection system, consisting of three air-activated plungers, senses whether or not the workpiece is properly seated, an essential component for any automob/robot loaded application.

### 新一代輪軸設計

Next-generation cam arm design



### 尺寸圖 > Dimensions



Large	夾頭型號 Chuck Diameter			Small
	WT-310	US-140	US-154	
25"				
24"				
22"				
22"				
21"				
20"				
19"				
18"				
17"				
16"				
15"				
14"				
13"				
12"				
11"				
10"				

### 規格表 > Specifications

型號 Model Number	輪軸外徑範圍 Capacity Wheel Diameter	最高轉速 RPM's (Max)	拉桿拉力 Drawbar Pull (lbs)	拉桿行程 Stroke (mm)	主軸與滑座 Spindle Mount	夾頭重量 Chuck Weight (lbs)	A/F 寸 A Dis. (mm)	B/F 寸 B Dis. (mm)		
WT-310/US-1420	14 to 20	2800	7700	1.38/05	A2-8	264/190	21.50/48.2	5.30/149.7		
WT-322/US-1524	15 to 24.5	2200	7700	1.38/05	A2-11	410/240	26.00/66.0	7.85/199.5		
型號 Model Number	S-3/4EX		S-3/4EX		L-3/4EX		XL-3/4EX		Z-3/4EX*	
	E	F	E	F	E	F	E	F	E	F
WT-310/US-1420	21.5/47	22.4/57.0	21.5/47	23.0/58.4	22.0/55.9	24.1/61.1	23.1/58.7	25.0/63.4	24.3/61.8	26.2/66.6
WT-322/US-1524	26.0/66.0	26.5/67.3	26.0/66.0	27.5/69.8	26.6/67.5	28.5/72.4	27.6/70.2	29.5/74.9	28.6/72.7	30.5/77.4



**精實生產系列 (申請專利中)**

此系列適用於多種少量、製造精確的維修市場生產者和 OEM 供應商。其特點為能在幾秒內調整凸輪手夾持直徑，每一個凸輪手有掌控 15-20DT 之間的六種尺寸，使用步驟為：

1. 放入板手
2. 用凸輪調整凸輪手到所需直徑
3. 移除板手

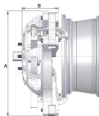
LPS 系列適用於汽車和小型卡車輪圈的多種化特性，能滿足末加工工件和更新設計的要求，亦即首件的加工條件也適用本系列產品。

**Lean Production Series (Patent Pending)**

Adjusting a cam arm from one wheel diameter to another in seconds makes this chuck ideal for aftermarket wheel manufacturers and OEM suppliers who handle short-run specialty wheels. Each cam arm handles 6 ranges within 15"to20" wheel size capacity. One: Insert wrench. Two: Crank cam arms to desired diameter. Three: Remove wrench.

The LPS Series for automobiles and light trucks allows for variations in raw castings as well as for new "fashion" wheel designs where material is added to the raw casting for first operation holding.

**尺寸圖 > Dimensions**



**規格表 > Specifications**

型號 Model Number	輪圈外徑範圍 Capacity Wheel Diameter	最高轉速 RPM's (max)	拉桿拉力 Drawbar Pull (lbs)	拉桿行程 Drawbar Stroke (in/mm)
LPS-1520	15" to 20"	2600	7700	1.38 / 35

型號 Model Number	主軸構造 Spindle Mount	夾持淨重 Chuck Weight (lbs)	A尺寸 A Dia. (in/mm)	B尺寸 B Dia. (in/mm)
LPS-1520	A2-8	330	29.45 / 748.0	7.32 / 186.0



**夾頭制動器 / 油壓缸**

LMC Workholding 提供兩種為輪軸夾頭特別設計的夾頭制動器。這兩種油壓缸具有理想的油壓系統壓力配置，讓夾頭以最快的速度夾持和放鬆，而較短、較輕的設計有利於車床加速和減速，改善機器性能。

2R 120 為單動油壓缸，適用於配合中實車床的軸承彈簧片，以夾持輪圈中心 RNW 為雙動油壓缸，適合於配合高夾持或夾小尺寸三爪夾頭，可求穩固中心。

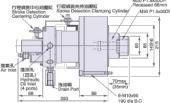
**Chuck Actuators**

LMC Workholding offers two chuck actuators specifically designed for wheel chuck applications like yours. These hydraulic cylinders offer optimum hydraulic system pressure settings for the fastest clamping/unclamping action available. And their shorter lengths and lighter weights enhance lathe acceleration and deceleration while improving machine dynamics.

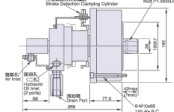
Model 2R 120 is a single-motion cylinder ideal for applications that use solid mandrels or spring rings for wheel centering. RNW is a dual-function cylinder that is ideal for applications that actuate a collet or a small three-jaw chuck for wheel centering.

**尺寸圖 > Dimensions**

**RNW 40**



**2R 120**



**規格表 > Specifications**

型號 Model Number	長度 Length (mm)	行程時間 Stroke Time (sec)	夾持油壓缸 Clamping Cylinder	
			口徑 x 行程 Bore x Stroke (mm)	活塞面積 Piston Area (in <sup>2</sup> /cm <sup>2</sup> )
2R-120	269	1.6	120 x 35	15.8 / 102
RNW 40	293	2.3 (0.4)	146 x 35	17.2 / 111

型號 Model Number	中和直徑缸 Centering Cylinder		最大壓力 Max. Oper. Pressure (psi / kgf / cm <sup>2</sup> )	最高轉速 Model RPM's (Max)	注油缸淨重 Cylinder Weight (lbs)
	口徑 x 行程 Bore x Stroke (mm)	活塞面積 Piston Area (in <sup>2</sup> /cm <sup>2</sup> )			
2R-120	n / a	n / a	568 / 40	5000	33
RNW 40	50x12	1.2 / 8	568 / 40	4000	50