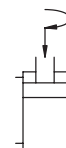


5105# HSC 油壓轉角缸 Hydraulic Swing Clamp Cylinder

產品簡介

- 本產品適用於量產零件之專用機及MC治具，提高生產效率最佳幫手。
- 主要功能為油壓缸作動時，活塞下壓行程中壓板會旋轉到設計的角度，再沿著直線繼續下壓直到壓板夾緊工件。
- 建議使用油壓轉角缸，請加裝流量控制閥，避免速度過快，以及轉角行程中，請勿夾持工件，避免損壞缸體及內部零件。
- 壓板需增加長度時，請勿大於原長之1.5倍。
- 缸體材質採用機械構造用炭素鋼，內壁特殊加工處理，表面光滑，使用壽命長。



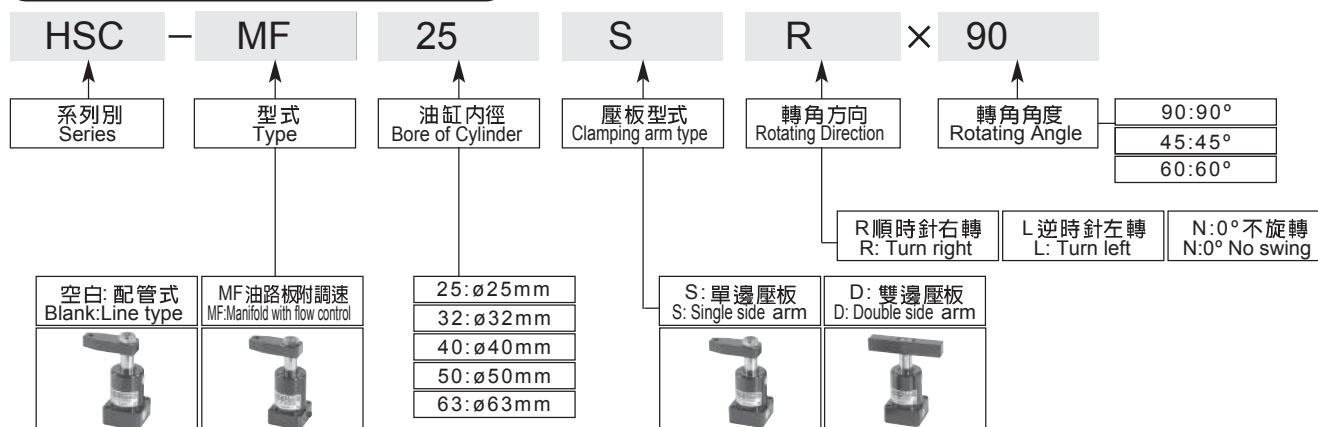
Product Introduction

- The product is ideal for mass production on a special purpose machine and jig on machining center. It will greatly upgrade production efficiency.
- When the hydraulic cylinder actuate, and the piston moves downward, the clamping arm will swing to a rated angle. Then it lowers until the workpiece is clamped securely.
- To avoid too fast motion a flow control valve is suggested to connect to the hydraulic swing clamp cylinder. Do not clamp workpiece while the calmp is swinging to avoid damaging on the cylinder barrel and internal parts.
- When increasing length of clamping arm is required, be sure do not exceed 1.5 times of the original length.
- The cylinder body is manufactured from structural carbon steel. Surface is specially treated for maximum smoothness on inside surface and long service life.

特性資料 Specifications

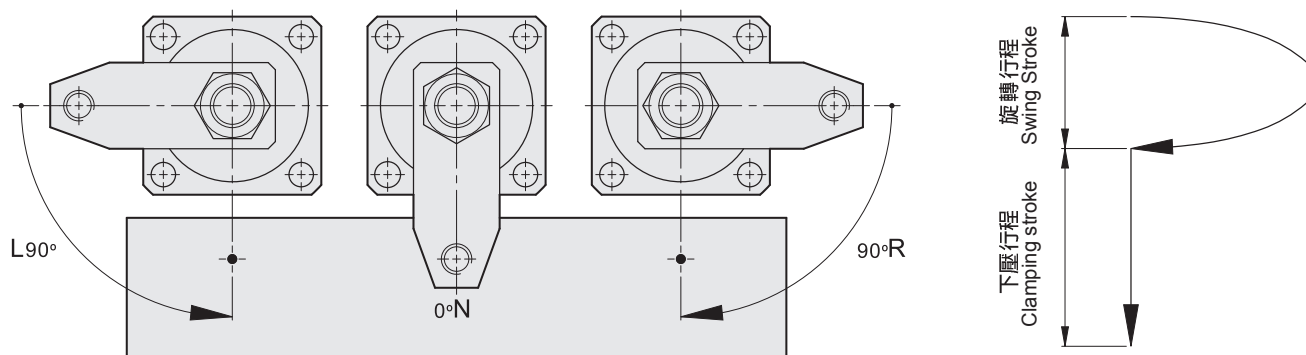
氣缸內徑	Bore of cylinder	mm	φ25	φ32	φ40	φ50	φ63
活塞桿徑	Piston rod diameter	mm	φ18	φ20	φ22.4	φ28	φ35
轉角行程	Swing stroke	mm	8	11	11	13	13
垂直行程 標準/加長	Clamping stroke std/incr	mm	14	15 / 30	15 / 30	17 / 34	17 / 34
受壓面積 拉入/推出	Pressure area pull/push	cm ²	2.37 / 4.91	4.9 / 8.04	8.63 / 12.57	13.47 / 19.63	21.55 / 31.17
理論夾持力	Theoretical clamping	30kg/cm ²	71	147	259	404	647
使用流體	Fluid	已濾清之標準液壓油 Filtered hydraulic oil					
最大操作壓力	Max operation pressure	100 kg/cm ²					
操作壓力範圍	Operation pressure range	5-70 kg/cm ²					
轉角方向	Rotating direction	順時針右轉R或逆時針左轉L Turn right R or turn left L					
轉角角度	Rotating angle	標準角度90° 選擇角度0°. 45°. 60° Standard angle 90°, Optional angle 0°, 45°, 60°					
動作方式	Acting type	複動式 Double acting					

訂購標示法 Ordering Code

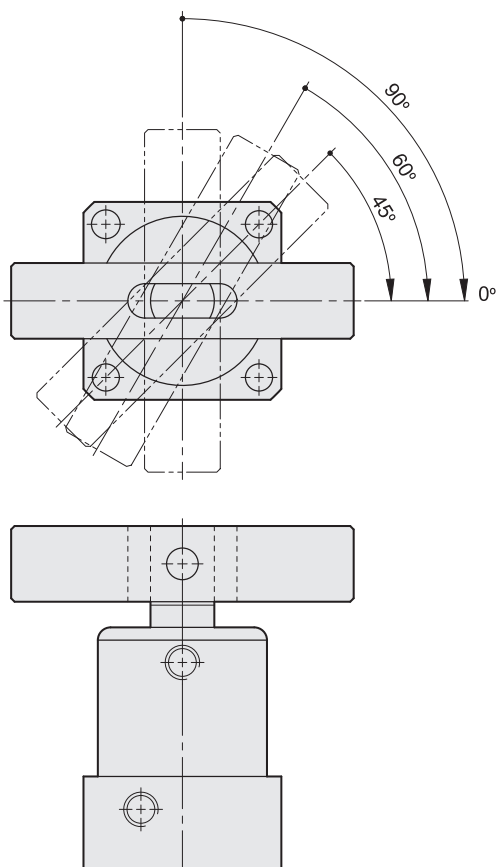


5105# HSC 油壓轉角缸 Hydraulic Swing Clamp Cylinder

單邊壓板旋轉示意圖 Single Side Swing Clamp

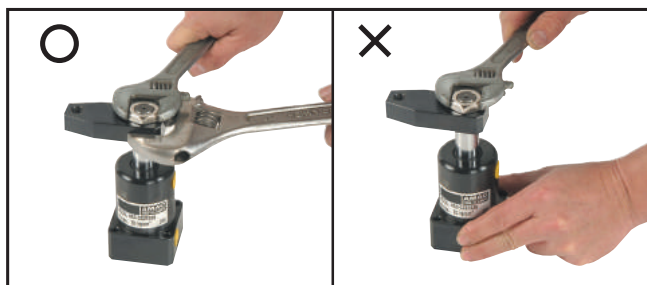


雙邊壓板旋轉示意圖 Double Side Swing Clamp



壓板鎖緊操作方式 Clamping Arm Mounting Methods

Clamping Arm Mounting Methods

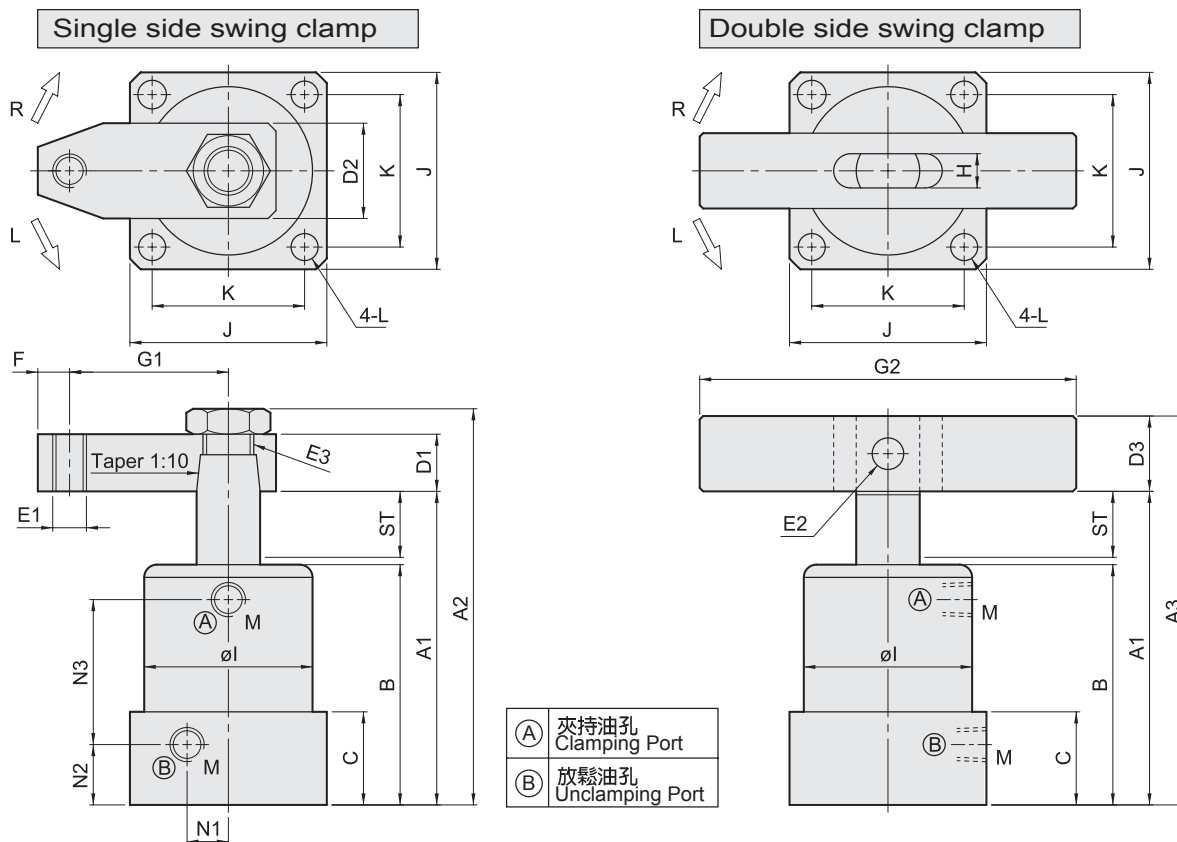


壓板拆卸操作方式 Clamping Arm Removing Methods

Clamping Arm Removing Methods

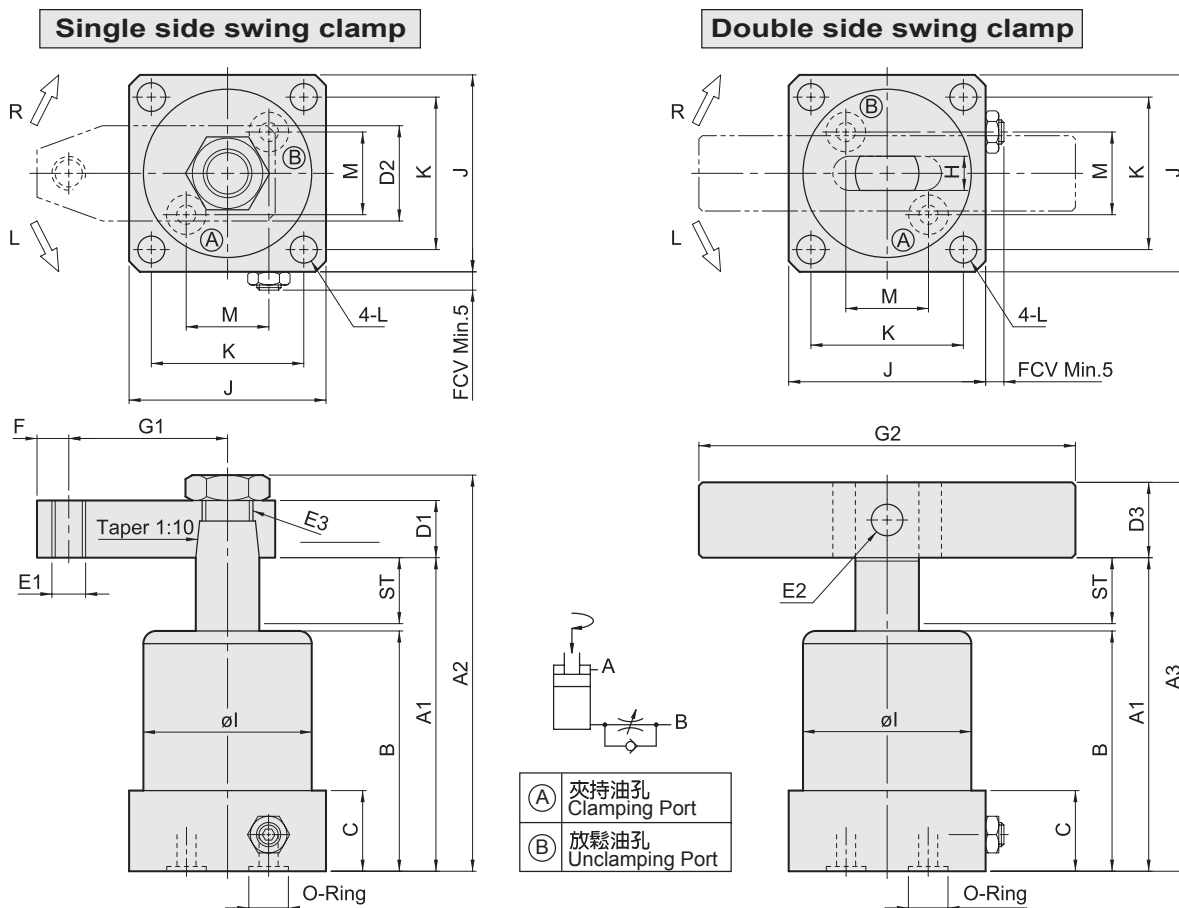


5105# HSC 油壓轉角缸 Line type Hydraulic Swing Clamp Cylinder



Item	Model	HSC-25	HSC-32	HSC-32L	HSC-40	HSC-40L	HSC-50	HSC-50L	HSC-63	HSC-63L
ST:Swing/Clamping		22:9/13	26:11/15	41:11/30	26:11/15	41:11/30	30:13/17	47:13/34	30:13/17	47:13/34
A1		101	115	145	120	150	134	168	139	173
A2		(124)	(140)	(170)	(148)	(178)	(166)	(200)	(175)	(209)
A3		120	137.2	167.2	142.2	172.2	159.4	193.4	170.8	204.8
B		76	85	100	90	105	100	117	105	122
C		27	30		30		34		34	
D1		15	17		18		20		23	
D2		27	31		31		37		48	
D3		φ19	φ22.2		φ22.2		φ25.4		φ31.8	
E1		M10×1.5	M10×1.5		M10×1.5		M12×1.75		M16×2.0	
E2		φ8	φ8		φ10		φ12		φ15	
E3		M14×1.5	M16×1.5		M18×1.5		M20×1.5		M26×1.5	
F		10	10		10		12		15	
G1		50	55		60		65		75	
G2		140	160		160		180		200	
H		9	10		10		12		15	
I		φ46	φ50		φ54		φ66		φ80	
J		52	56		63		72		88	
K		40	44		48		57		70	
L		φ6.8	φ6.8		φ9		φ9		φ11	
M		PT1/8	PT1/8		PT1/8		PT1/4		PT1/4	
N1		8	10		12		15		17	
N2		17	19		19		21.5		22	
N3		46	52	67	57	72	63.5	80.5	68	85

5106# HSC 油壓轉角缸 MF 深孔型附調速(免配管路)
Hydraulic Swing Clamp Cylinder Manifold with flow control



Item	Model	HSC-MF25	HSC-MF32	HSC-MF40	HSC-MF50	HSC-MF63
ST: Swing/Clamping		22:9/13	26:11/15	26:11/15	30:13/17	30:13/17
A1		101	115	120	134.5	139
A2		(124)	(140)	(148)	(166)	(175)
A3		120	137.2	142.2	159.4	170.8
B		76	85	90	100	105
C		22	25	25	30	30
D1		15	17	18	20	23
D2		27	31	31	37	48
D3		φ 19	φ 22.2	φ 22.2	φ 25.4	φ 31.8
E1		M10×1.5	M10×1.5	M10×1.5	M12×1.75	M16×2.0
E2		φ 8	φ 8	φ 10	φ 12	φ 15
E3		M14×1.5	M16×1.5	M18×1.5	M20×1.5	M26×1.5
F		10	10	10	12	15
G1		50	55	60	65	75
G2		140	160	160	180	200
H		9	10	10	12	15
I		φ 46	φ 50	φ 54	φ 66	φ 80
J		55	57	63	72	88
K		42	44	48	57	70
L		φ 6.8	φ 6.8	φ 9	φ 9	φ 11
M		19	21	23	28	32
O-Ring		P7	P7	P9	P9	P9