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YOZECE

佑嘉欣液压科技

2025

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液压画册

佑嘉欣液压科技

YOUJIXIN HYDRAULIC TECHNOLOGY



夹具油缸 >>>

WORKHOLDING HYDRAULIC CYLINDER

转角油缸 MTJ系列 >>>

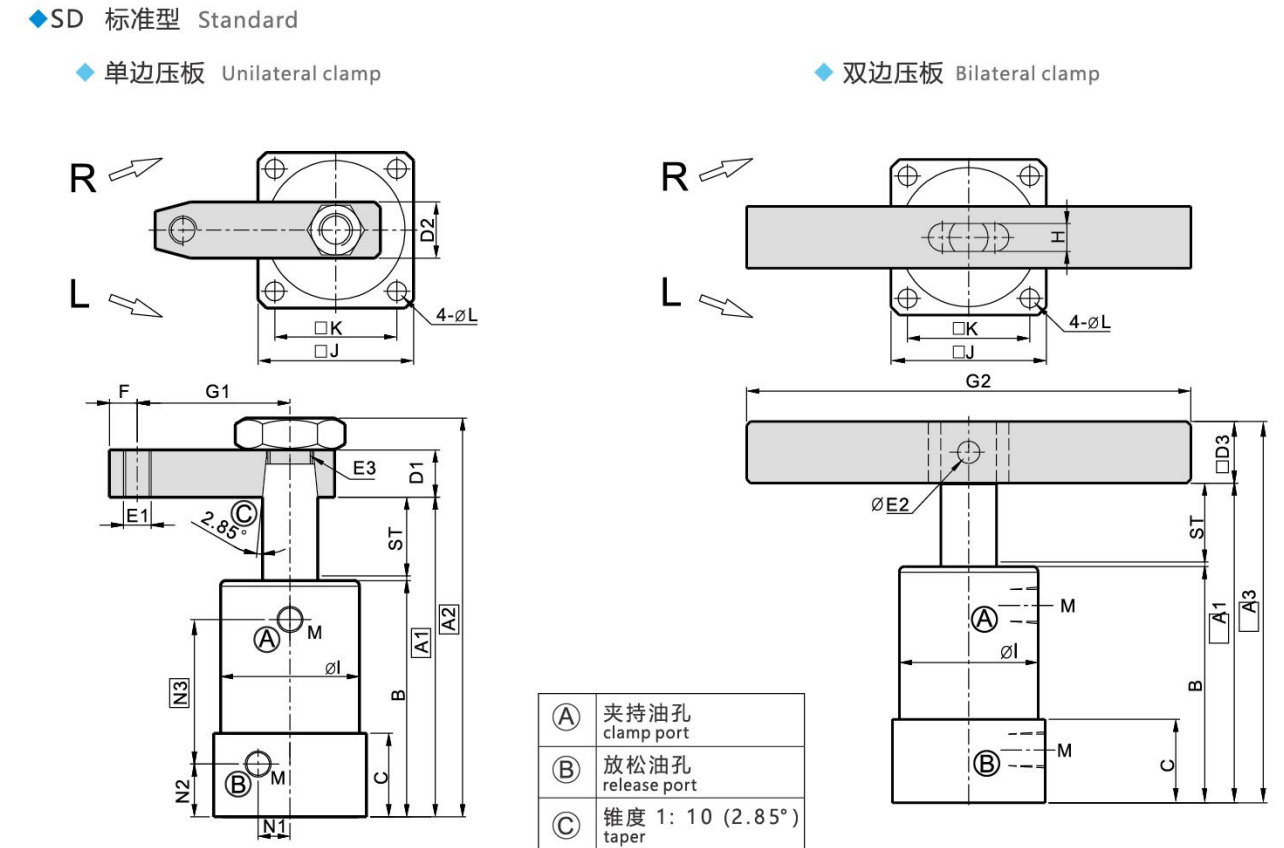
SWING CLAMP HYDRAULIC CYLINDER MTJ SERIES



产品特点 Product features

- 本产品适用于量产零件之专用机及MC治具，提高生产效率的最佳帮手。
 - 主要功能为油压缸作动时，活塞下压行程中压板会旋转到设计的角度，在沿直线继续下压到压板夹紧工件。
 - 缸体材质采用机械构造用碳素钢，内壁特殊加工处理，表面光滑，使用寿命长。
 - 使用油压转角缸，建议加装流量控制阀，避免速度过快，以及转角行程中，请勿夹持工件，避免损坏缸体及内部零件。
 - 压板需增加长度时,请勿大于原长之1.5倍。
- Swing-clamp hydraulic cylinders are used in machining tooling ,Mass helpful to improve production efficiency.
 - Swing-clamp hydraulic cylinders rotate in addition to extending and retracting ,allowing a clamp to be rotated out of the way while a workpiece is moved onto the fixture .The clamp then holds the workpiece in place during the operation.
 - The cylinder is made of high strength ,carbon ,long service life.
 - Use the hydraulic corner cylinder, suggest to add a flow governor to control speed, and in the corner stroke, do not hold the workpiece, to avoid damage to the cylinder block and internal parts.
 - When the length of the pressing plate needs to be increased, it should not be more than 1.5 times the original length.

外部尺寸图 Outline drawing



产品规格 Specification

标记 Sign	内径 Bore	SD25	SD32	SD40	SD50	Sd63				
转角行程/下压行程 swing stroke / clamping stroke		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		□19	□22.2		□22.2		□25.4		□31.8	
E1		M10X1.5	M10X1.5		M10X1.5		M12X1.75		M16X2.0	
E2		ø8	ø8		ø10		ø12		ø15	
E3		M14X1.5	M16X1.5		M18X1.5		M20X1.5		M26X1.5	
F		10	10		10		12		15	
G1		50	55		60		65		75	
G2		140	160		160		180		200	
H		9	10		10		12		15	
øI		ø46	ø50		ø54		ø66		ø80	
□J		53	57		63		72		88	
□K		40	44		48		57		70	
L		ø6.8	ø6.8		ø9		ø9		ø11	
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

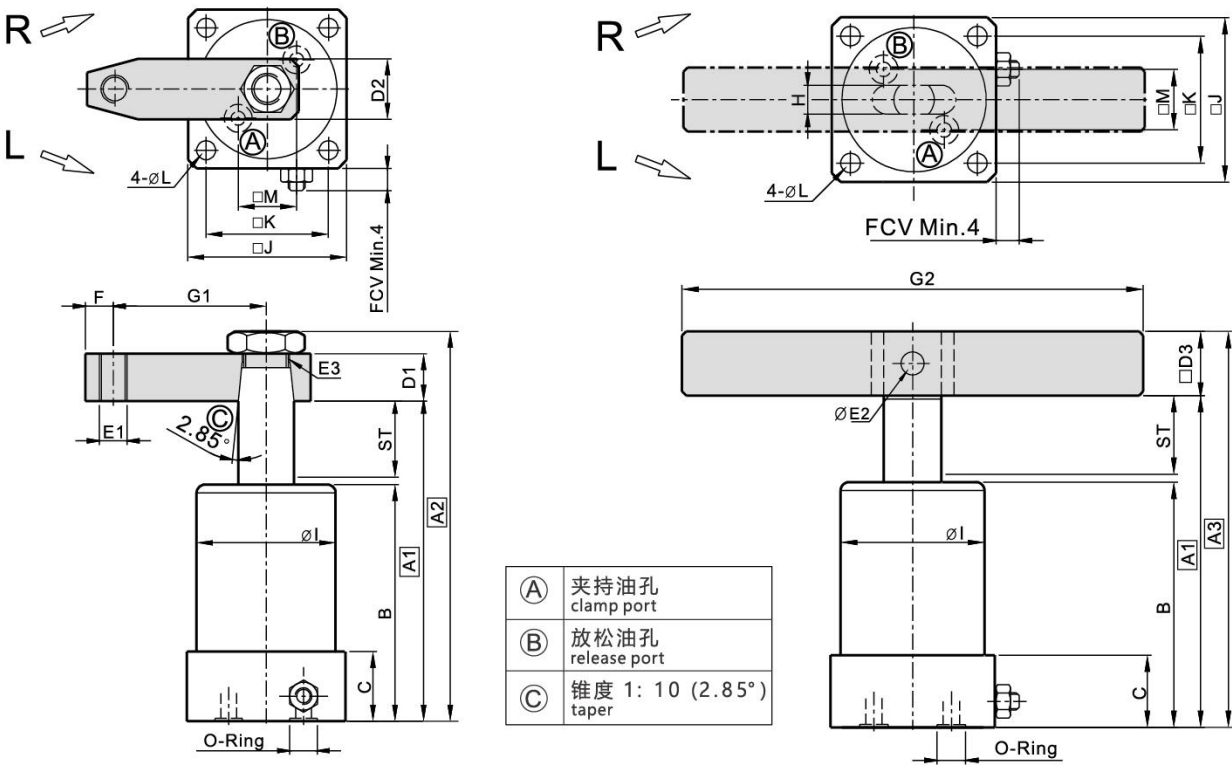
油缸内径 (mm) Bore	φ 25	φ 32	φ 40	φ 50	φ 63
活塞杆径 (mm) Piston diameter	φ 18	φ 20	φ 22.4	φ 28	φ 35
转角行程 (mm) Turn stroke	9	11	11	13	13
垂直行程 标准/加长 (mm) Straight stroke standard/lengthened	13	13/30	13/30	17/34	17/34
受压面积 拉入/推出 (mm) Pressure effective area retract/push	2.37/4.91	4.9/8.04	8.63/12.57	13.47/19.63	21.55/31.17
理论夹持力 (kg) Theoretical clamp holding load	71	147	259	404	647
使用流体 Fluid type	已滤清之标准液压油 Filtered Standard hydraulic oil				
最大操作压力 Maximum operating pressure	100kg/cm ²				
操作压力范围 Operating pressure range	5-70kg/cm ²				
转角方向 Turns	R(右旋):顺时针下压 L(左旋):逆时针下压				
转角角度 Turn angle	标准角度90° (选择角度0°, 45°, 60°)				
作动方式 Acting	复动式 Double acting				

外部尺寸图 Outline drawing

◆MF 油路板式附下压调速 Ports against mounting plate with governor

◆单边压板 Unilateral clamp

◆双边压板 Bilateral clamp



- (A) 夹持油孔 clamp port
- (B) 放松油孔 release port
- (C) 锥度 1: 10 (2.85°) taper

产品规格 Specification

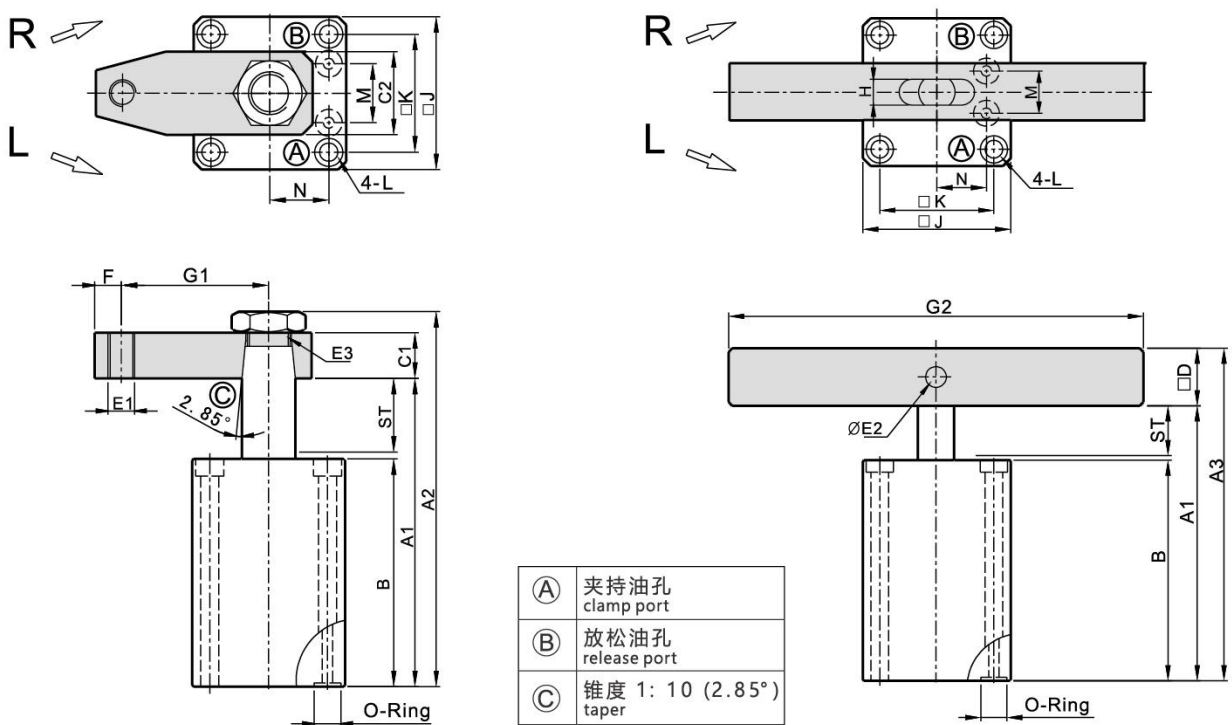
标记 Sign	内径 Bore	MF25	MF32	MF40	MF50	Mf63
转角行程/下压行程 swing stroke / clamping stroke		22:9/13	26:11/15	41:11/30	26:11/15	41:11/30
A1		101	115	145	120	150
A2		(124)	(140)	(170)	(148)	(178)
A3		120	137.2	167.2	142.2	172.2
B		76	85	100	90	105
C		22	25	25	30	30
D1		15	17	18	20	23
D2		27	31	31	37	48
D3		□19	□22.2	□22.2	□25.4	□31.8
E1		M10X1.5	M10X1.5	M10X1.5	M12X1.75	M16X2.0
E2		φ8	φ8	φ10	φ12	φ15
E3		M14X1.5	M16X1.5	M18X1.5	M20X1.5	M26X1.5
F		10	10	10	12	15
G1		50	55	60	65	75
G2		140	160	160	180	200
H		9	10	10	12	15
φI		φ46	φ50	φ54	φ66	φ80
□J		57	57	63	72	88
□K		42	44	48	57	70
L		φ6.8	φ6.8	φ9	φ9	φ11
M		19	21	23	28	32
O-Ring		P7	P7	P9	P9	P9

外部尺寸图 Outline drawing

◆M 油路板式不调速 Ports against mounting plate without governor

◆单边压板 Unilateral clamp

◆双边压板 Bilateral clamp



- (A) 夹持油孔 clamp port
- (B) 放松油孔 release port
- (C) 锥度 1: 10 (2.85°) taper

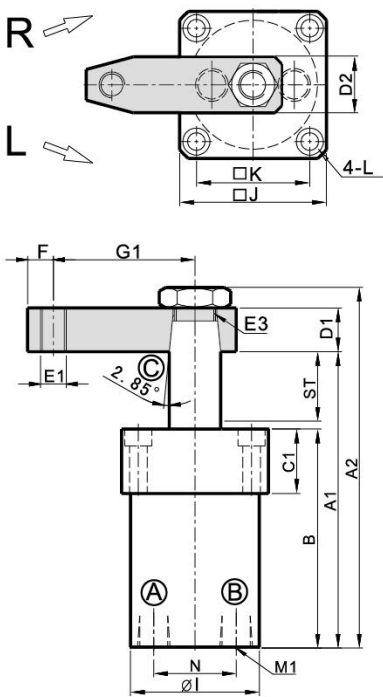
产品规格 Specification

标记 sign	内径 Bore	M25	M32	M40	M50
转角行程/下压行程 swing stroke / clamping stroke		22:9/13	26:11/15	26:11/15	30:13/17
A1		101	115	120	134
A2		(124)	(140)	(148)	(166)
A3		120	137.2	142.2	159.4
B		76	85	90	100
C1		15	17	18	20
C2		27	31	31	37
D		□19	□22.2	□22.2	□25.4
E1		M10X1.5	M10X1.5	M10X1.5	M12X1.75
E2		φ8	φ8	φ10	φ12
E3		M14X1.5	M16X1.5	M18X1.5	M20X1.5
F		10	10	10	12
G1		50	55	60	65
G2		140	160	160	180
H		9	10	10	12
□J		57	57	69	75
□K		42	44	52	58
L		φ6.8-φ10.5X6.5dp	φ6.8-φ10.5X6.5dp	φ9-φ14X9dp	φ9-φ14X9dp
M		18	22	26	32
N		20	22	26	30
O-Ring		P7	P7	P8	P8

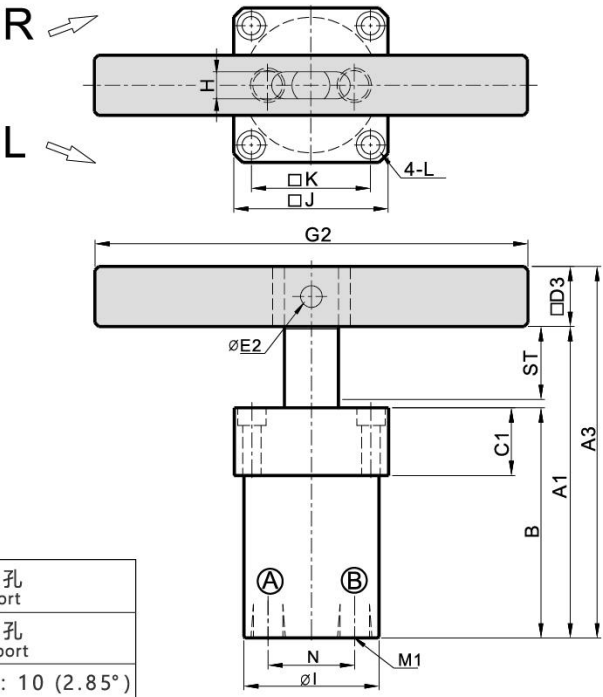
外部尺寸图 Outline drawing

◆FA 法兰配管型 Flange mounting

◆单边压板 Unilateral clamp



◆双边压板 Bilateral clamp



Ⓐ	夹持油孔 clamp port
Ⓑ	放松油孔 release port
Ⓒ	锥度 1: 10 (2.85°) taper

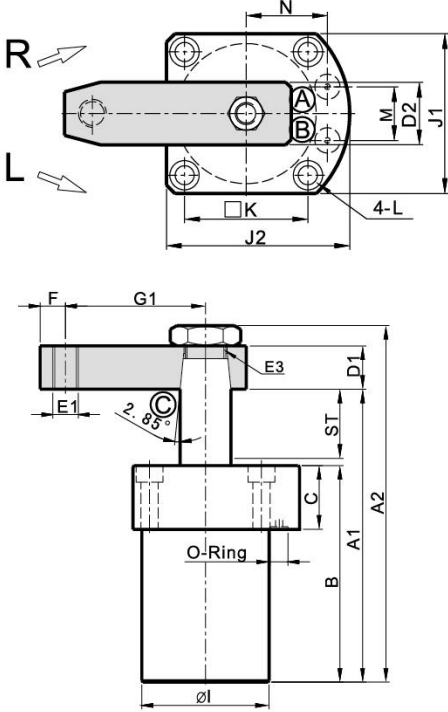
产品规格 Specification

标记 sign	内径 Bore	FA25	FA32	FA40	FA50	FA63
转角行程/下压行程 swing stroke / clamping stroke		22:9/13	26:11/15	26:11/15	30:13/17	30:13/17
A1		101	115	120	134	139
A2		(124)	(140)	(148)	(166)	(175)
A3		120	137.2	142.2	159.4	170.8
B		76	85	90	100	105
C1		22	25	25	30	30
D1		15	17	18	20	23
D2		27	31	31	37	48
D3		□19	□22.2	□22.2	□25.4	□31.8
E1		M10X1.5	M10X1.5	M10X1.5	M12X1.75	M16X2.0
E2		φ8	φ8	φ10	φ12	φ15
E3		M14X1.5	M16X1.5	M18X1.5	M20X1.5	M26X1.5
F		10	10	10	12	15
G1		50	55	60	65	75
G2		140	160	160	180	200
H		9	10	10	12	15
φI		φ45	φ50	φ58	φ68	φ81
□J		53	57	69	75	90
□K		40	44	52	58	70
L		φ6.8-φ10.5X6.5dp	φ6.8-φ10.5X6.5dp	φ9-φ14X9dp	φ9-φ14X9dp	φ11-φ17X11dp
M1		PT1/4	PT1/4	PT1/4	PT1/4	PT1/4
N		28	32	40	50	63

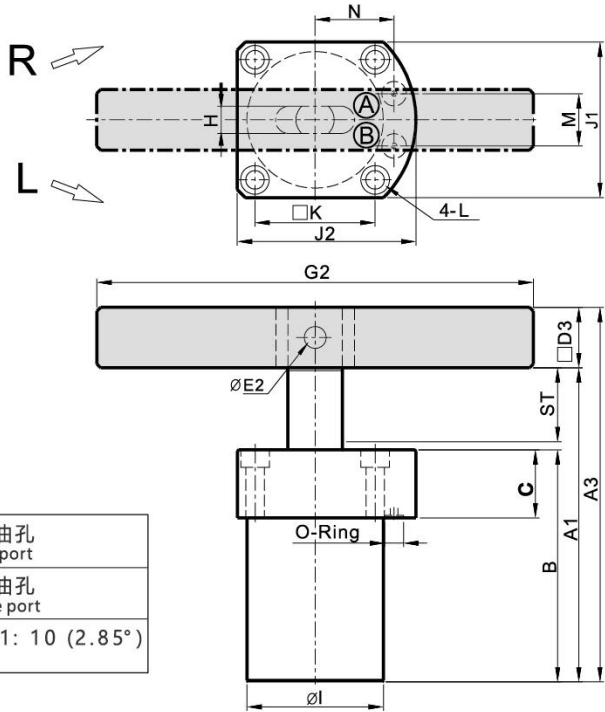
外部尺寸图 Outline drawing

◆FAM 法兰油路板型 Ports in flange mounting

◆单边压板 Unilateral clamp



◆双边压板 Bilateral clamp



Ⓐ	夹持油孔 clamp port
Ⓑ	放松油孔 release port
Ⓒ	锥度 1: 10 (2.85°) taper

产品规格 Specification

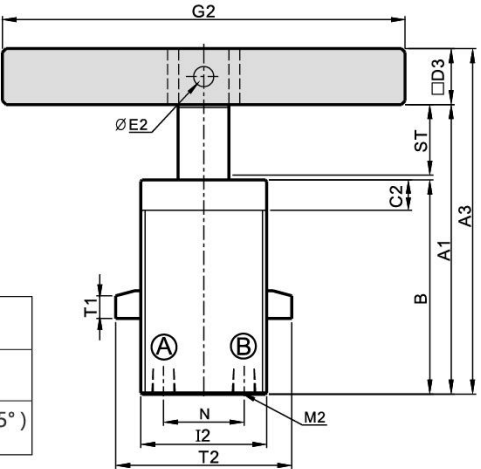
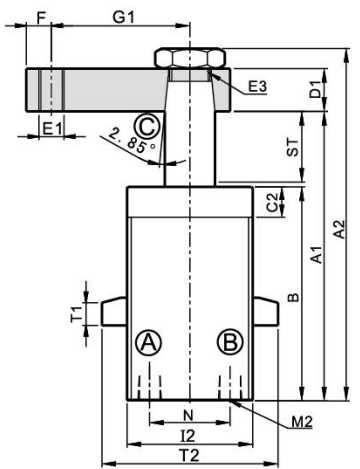
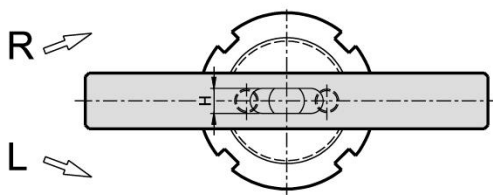
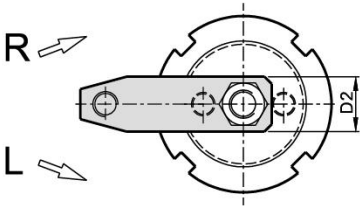
标记 sign	内径 Bore	FAM25	FAM32	FAM40	FAM50
转角行程/下压行程 swing stroke / clamping stroke		22:9/13	26:11/15	26:11/15	30:13/17
A1		101	115	120	134
A2		(124)	(140)	(148)	(166)
A3		120	137.2	142.2	159.4
B		76	85	90	100
C		22	25	25	30
D1		15	17	18	20
D2		27	31	31	37
D3		□19	□22.2	□22.2	□25.4
E1		M10X1.5	M10X1.5	M10X1.5	M12X1.75
E2		φ8	φ8	φ10	φ12
E3		M14X1.5	M16X1.5	M18X1.5	M20X1.5
F		10	10	10	12
G1		50	55	60	65
G2		140	160	160	180
H		9	10	10	12
φI		φ45	φ50	φ58	φ68
□J1		55	57	69	75
□J2		64	65.5	79	87
□K		42	44	52	58
L		φ6.8-φ10.5X6.5dp	φ6.8-φ10.5X6.5dp	φ9-φ14X9dp	φ9-φ14X9dp
M		20	22	26	30
N		28	29	34.5	39
O-Ring		P6	P6	P9	P9

外部尺寸图 Outline drawing

◆TB 全牙型 Body threaded

◆ 单边压板 Unilateral clamp

◆ 双边压板 Bilateral clamp



(A)	夹持油孔 clamp port
(B)	放松油孔 release port
(C)	锥度 1: 10 (2.85°) taper

产品规格 Specification

标记 sign	内径 Bore	TB25	TB32	TB40	TB50
转角行程/下压行程 swing stroke / clamping stroke		22:9/13	26:11/15	26:11/15	30:13/17
A1		101	115	120	134
A2		(124)	(140)	(148)	(166)
A3		120	137.2	142.2	159.4
B		76	85	90	100
C2		12	12	15	15
D1		15	17	18	20
D2		27	31	31	37
D3		□19	□22.2	□22.2	□25.4
E1		M10X1.5	M10X1.5	M10X1.5	M12X1.75
E2		φ8	φ8	φ10	φ12
E3		M14X1.5	M16X1.5	M18X1.5	M20X1.5
F		10	10	10	12
G1		50	55	60	65
G2		140	160	160	180
H		9	10	10	12
I2		M45X1.5	M50X1.5	M55X1.5	M65X1.5
M2		PT1/8	PT1/8	PT1/8	PT1/8
N		28	32	40	50
T1X2PCS		10	11	11	12
T2		φ65	φ70	φ75	φ85

直线夹具油缸
MTQ系列 >>>

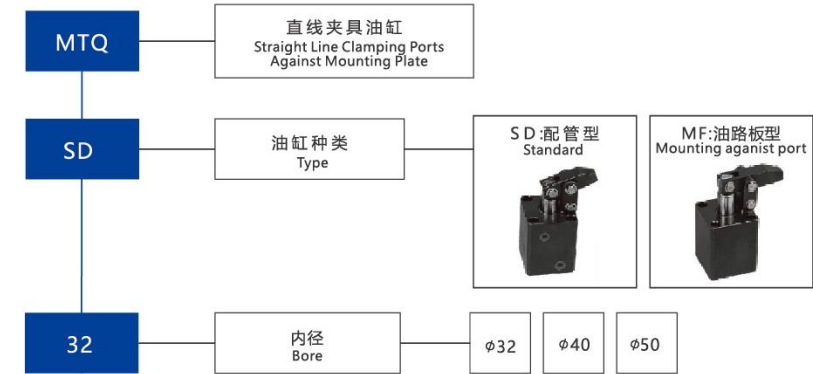
STRAIGHT LINE CLAMPING PORTS AGAINST MOUNTING PLATE MTQ SERIES



产品特点 Product features

- 本产品为直线方向夹持工件，没有转向角度。
- 油缸种类有配管型与油路型两种安装方式。
- This product is a straight line direction clamping workpiece, no swinging
- The type of cylinder has two kinds of installation methods: standard and ports against mounting plate

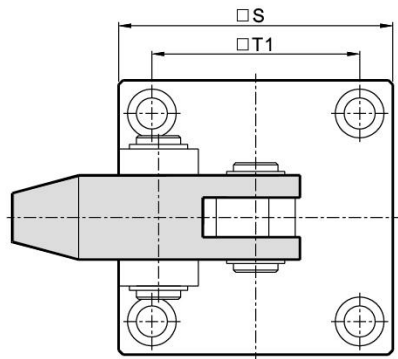
订购表示法 How To Order



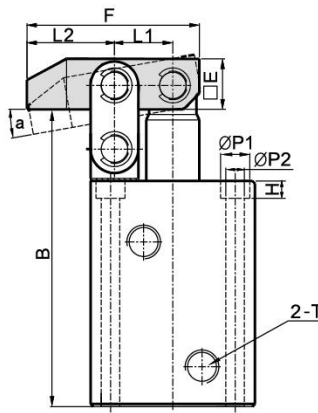
夹具油缸

外部尺寸图 Outline drawing

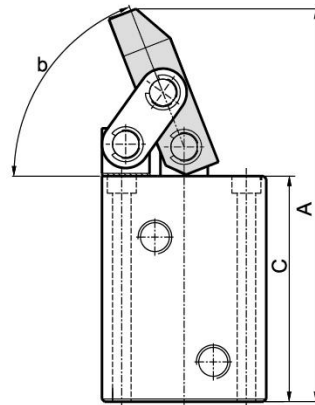
◆SD 配管型 Standard



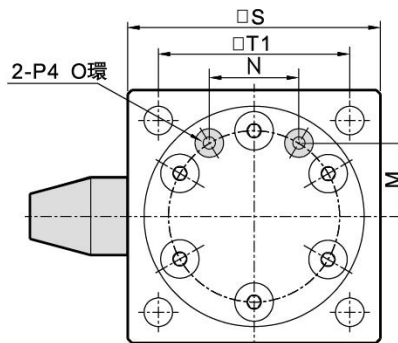
◆下压工件 Clamping



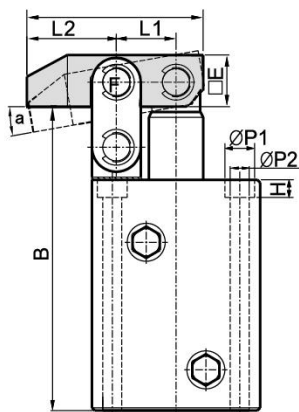
◆松开工件 Release



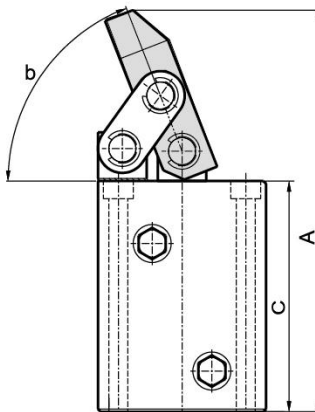
◆MF 油路板型 Ports against plate



◆下压工件 Clamping



◆松开工件 Release



产品规格 Specification

内径 Bore	记号 Sign	油缸行程 Stroke	A	B	C	E	F	a	b	S	L1	L2	M	N	P1	P2	H	T	T1
32		25	148	112	85	19	65	10	58	62	22	33	22	22	11	7	6.5	RC 1/4	47
40		30	166	122	90	22	77	7	62	70	26	40	26	26	14	9	9	RC 1/4	52
50		35	202	138	100	25	103	6	63	80	30	60	30	32	14	9	9	RC 1/4	58

高压全牙单动油缸 MTC系列 >>>

HIGH PRESSURE THREADED BODY SINGLE ACTING HYDRAULIC CYLINDER MTC SERIES



产品特点 Product features

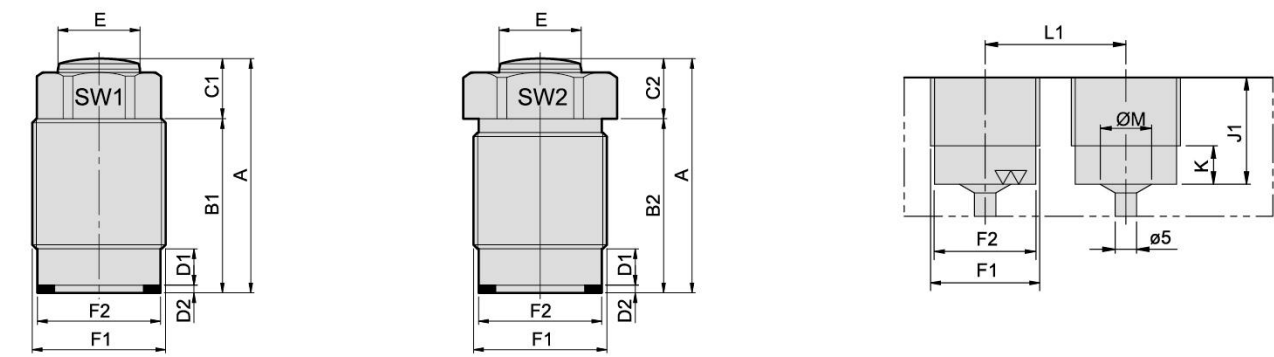
- 最大工作压力500kgf/cm²
- 作动方式：油压顶出，杆侧内部弹簧常入
- Maximum working pressure :500kgf/cm
- Single acting with spring return ,piston extends by pressure from a pump and then retracts by the weight of the load or by an inbuilt spring

订购表示法 How To Order

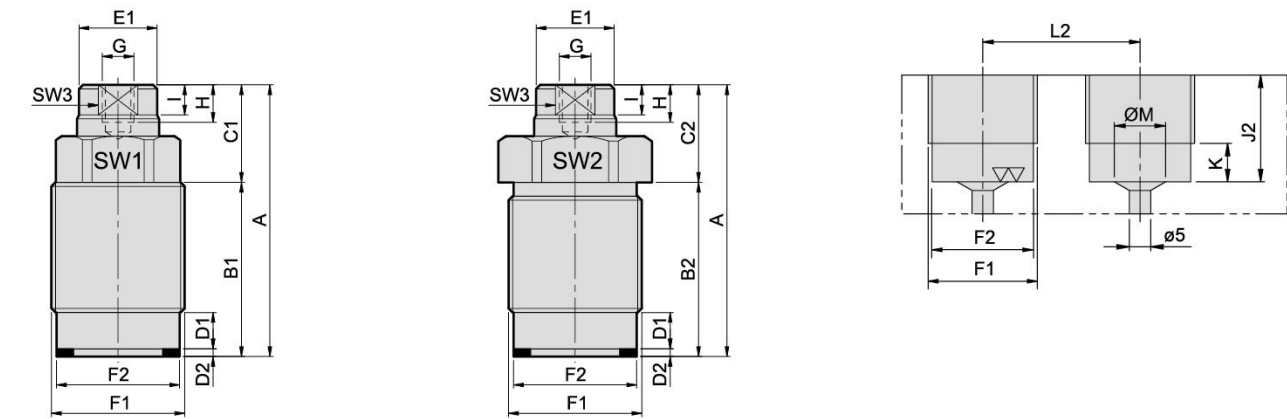
MTC	25	A	1
油缸种类 Type	内径 Bore	杆端型式 Rod end type	缸体型式 Body type
高压全牙单动油缸 High Pressure Threaded Body Single Acting Hydraulic Cylinder	φ25 φ32 φ40 φ50 φ63	A:圆弧型 Arc B:内牙型 Female	1: SW 1 小六角标准型 Small hexagon nut 2: SW 2 大六角 Large hexagon nut
		 	 

外部尺寸图 Outline drawing

- ◆A 轴端圆弧型 Round end
- ◆A-1 缸体小六角型 Small hexagon nut ◆A-2 缸体大六角型 Large hexagon nut ◆SW 缸体小六角型 Small hexagon nut
- ◆安装底座尺寸



- ◆B 轴端内牙型 Rod Female
- ◆B-1 缸体小六角型 Small hexagon nut ◆B-2 缸体大六角型 Large hexagon nut ◆SW2 缸体大六角型 Large hexagon nut



产品规格 Specification

内径 Bore	记号 Sign	A	B1	B2	C1	C2	D1	D2	E	F1	F2	G	H	I	J1		J2		K	L1	L2	M		SW1	SW2	SW3
															最小 Min	最大 Max	最小 Min	最大 Max	最大 Max	最小 Min	最小 Min	最小 Min	最大 Max			
A	12	38.5	29.5	26.5	9	12	7	1.5	12	M22x1.5	20	-	-	-	16.5	26.5	16.5	25	8	25	31	9	12	18	24	-
	16	47	34.5	34.5	12.5	12.5	8	1.5	16	M22x1.5	24	-	-	-	20.5	31	20.5	33	9	30	34	12	16	22	27	-
	20	56.5	42.5	42.5	14	14	8	1.5	20	M30x1.5	28	-	-	-	24.5	39.5	24.5	42	9	35	40	14	20	26	32	-
	25	60	45	45	15	15	11	2	25	M38x1.5	26	-	-	-	28.5	42	28.5	44.5	11	43	52	18	25	33	41	-
B	12	45.5	29.5	26.5	16	19	7	1.5	11	M22x1.5	20	M6x1.0	7	5.5	16.5	26.5	16.5	25	8	25	31	9	12	18	24	10
	16	53	34.5	34.5	18.5	18.5	8	1.5	15	M22x1.5	24	M6x1.0	7	5.5	20.5	31	20.5	33	9	30	34	12	16	22	27	13
	20	66	42.5	42.5	23.5	23.5	8	1.5	19	M30x1.5	28	M8x1.25	9	6	24.5	39.5	24.5	42	9	35	40	14	20	26	32	17
	25	69	45	45	24	24	11	2	23	M38x1.5	36	M8x1.25	9	7	28.5	42	28.5	44.5	11	43	52	18	25	33	41	19