

# TC 單動油壓缸



## Thread-type Single Acting Hydraulic Cylinder

• Rod:  $\phi 12$ - $\phi 25$ mm • Pmax: 500kg/cm<sup>2</sup>

### 產品簡介

- 螺柱式單動油壓缸採用進口油封及零件，高壓夾持中保持長時間不漏油。
- 螺柱式單動油壓缸體積小，使用於夾具上，能在最小空間中排列使用。
- 此型式油壓缸使用於頂出場合，彈簧退回，無法使用於拉式場合。
- 安裝時頂桿與工件接觸角度請勿大於10°。
- 缸體底部需置放1只鎖緊防漏墊圈。
- 本體 SW1, SW2 均加裝刮塵環。

### Product Introduction

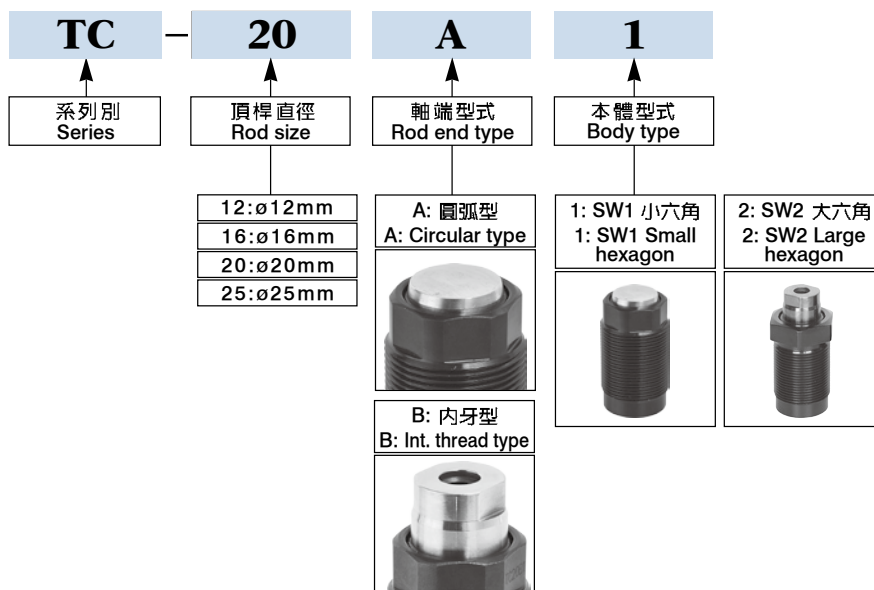
- The threaded body single acting hydraulic cylinder employs imported oil seal and parts to assure quality dependability, which minimizes oil leakage. No oil leakage during high pressure clamping for a long time.
- Compact construction permits several units operated for clamping in a small space.
- This type of hydraulic cylinder is used for ejecting with return by spring, which can not be used for pulling application.
- When installing, keep the contact angle between the rod and workpiece no larger than 10°.
- A leak-proof gasket is required to place under the bottom of cylinder barrel.
- The body of SW1 and SW2 are equipped with a dust removing ring.



### 特性資料 Specifications

頂桿直徑	Rod size	mm	$\phi 12$	$\phi 16$	$\phi 20$	$\phi 25$
頂桿行程	Rod stroke	mm	10	12	15	16
理論挾持力	Clamping force	100kg/cm <sup>2</sup>	110	200	310	490
		500kg/cm <sup>2</sup>	570	1010	1570	2460
彈簧回復力量	Spring restoring force	Min kg	2.8	5	7.8	12.3
最小操作壓力	Min. pressure	kg/cm <sup>2</sup>	10	10	10	10
需油量	Oil needed	cm <sup>3</sup> /10mm stroke	1.13	2.01	3.14	4.91
使用流體	Fluid		已濾清之標準液壓油 Filtered hydraulic oil			

### 訂購標示法 Ordering Code

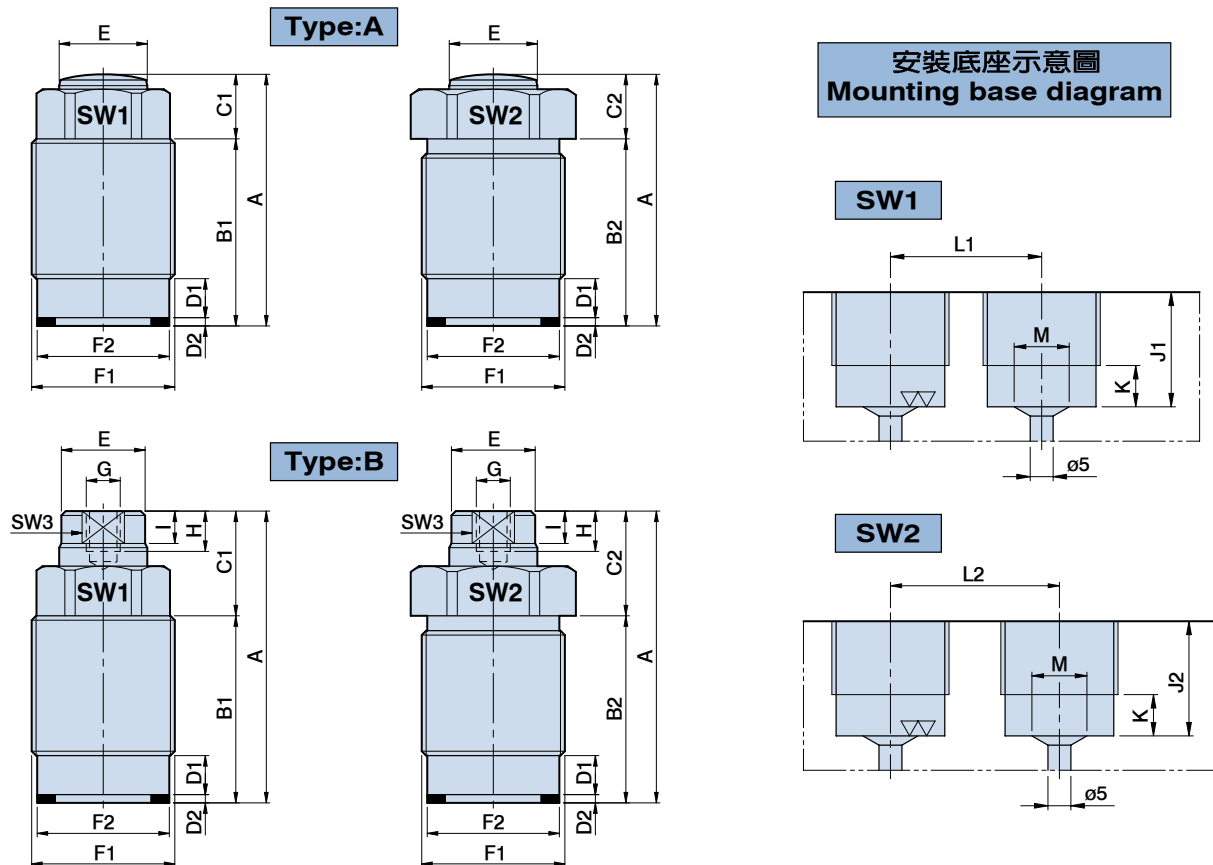


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### Dimensional table

UNIT:mm

ITEM	MODEL	TC-12A	TC-16A	TC-20A	TC-25A	TC-12B	TC-16B	TC-20B	TC-25B
A		38.5	47	56.5	60	45.5	53	66	69
B1		29.5	34.5	42.5	45	29.5	34.5	42.5	45
B2		26.5	34.5	42.5	45	26.5	34.5	42.5	45
C1		9	12.5	14	15	16	18.5	23.5	24
C2		12	12.5	14	15	19	18.5	23.5	24
D1		7	8	8	11	7	8	8	11
D2		1.5	1.5	1.5	2	1.5	1.5	1.5	2
E		$\phi 12$	$\phi 16$	$\phi 20$	$\phi 25$	$\phi 11$	$\phi 15$	$\phi 19$	$\phi 23$
F1		M22x1.5	M26x1.5	M30x1.5	M38x1.5	M22x1.5	M26x1.5	M30x1.5	M38x1.5
F2		$\phi 20$	$\phi 24$	$\phi 28$	$\phi 36$	$\phi 20$	$\phi 24$	$\phi 28$	$\phi 36$
G		—	—	—	—	M6x1.0	M6x1.0	M8x1.25	M8x1.25
H		—	—	—	—	7	7	9	9
I		—	—	—	—	5.5	5.5	6	7
J1	Min/Max	16.5 / 26.5	20.5 / 31	24.5 / 39.5	28.5 / 42	16.5 / 26.5	20.5 / 31	24.5 / 39.5	28.5 / 42
J2	Min/Max	16.5 / 25	20.5 / 33	24.5 / 42	28.5 / 44.5	16.5 / 25	20.5 / 33	24.5 / 42	28.5 / 44.5
K	Max	8	9	9	11	8	9	9	11
L1	Min	25	30	35	43	25	30	35	43
L2	Min	31	34	40	52	31	34	40	52
M	Min/Max	$\phi 9 / \phi 12$	$\phi 12 / \phi 16$	$\phi 14 / \phi 20$	$\phi 18 / \phi 25$	$\phi 9 / \phi 12$	$\phi 12 / \phi 16$	$\phi 14 / \phi 20$	$\phi 18 / \phi 25$
SW1		18	22	26	33	18	22	26	33
SW2		24	27	32	41	24	27	32	41
SW3		—	—	—	—	10	13	17	19