

TC Thread-type Single Acting Hydraulic Cylinder

• Bore: $\phi 12$ - $\phi 25$ mm • Pmax: 500kg/cm²

Product Introduction

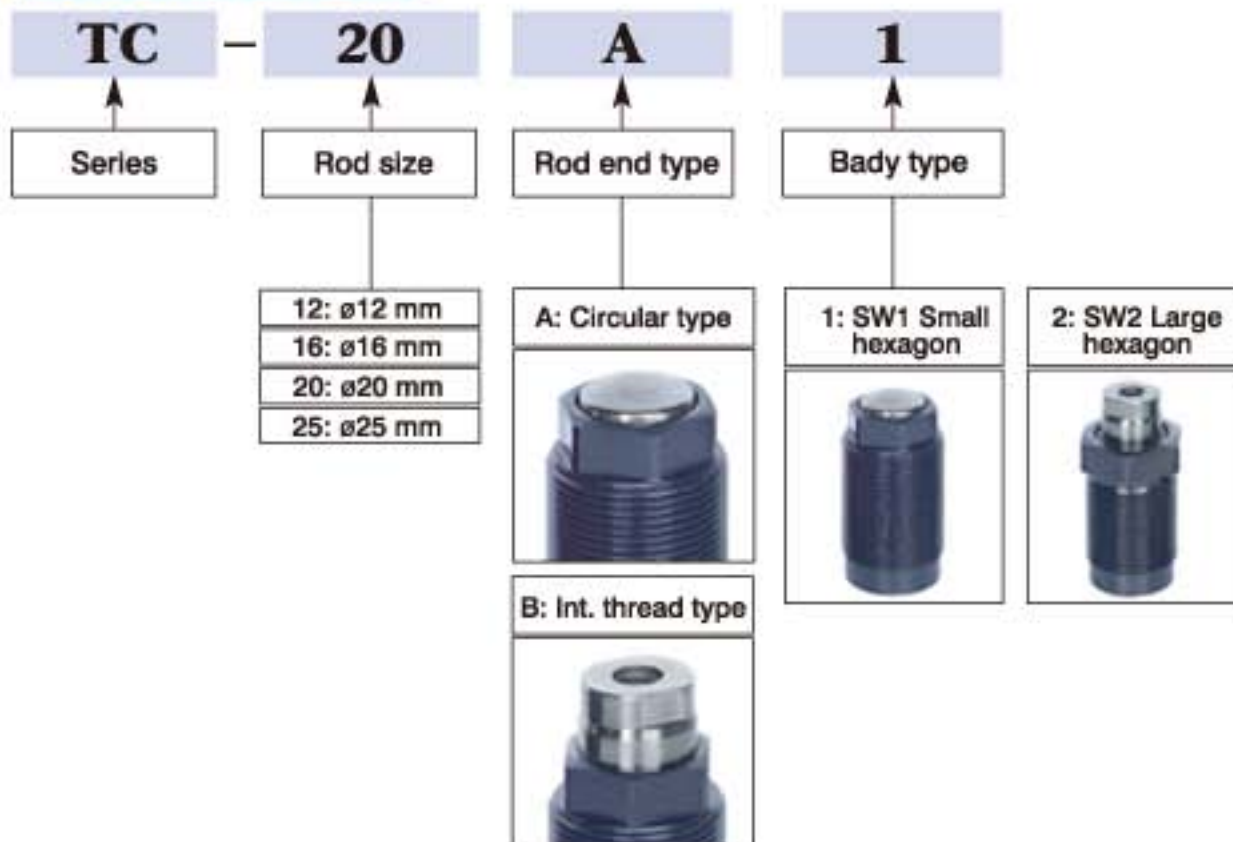
- The threaded body single acting hydraulic cylinder employs imported oil seal and parts to assure quality dependability, which minimizes oil leakage. No oil leakage during high pressure clamping for a long time.
- Compact construction permits several units operated for clamping in a small space.
- This 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 SW2 has a large hexagonal body and piston rod is equipped with a dust wiper ring.

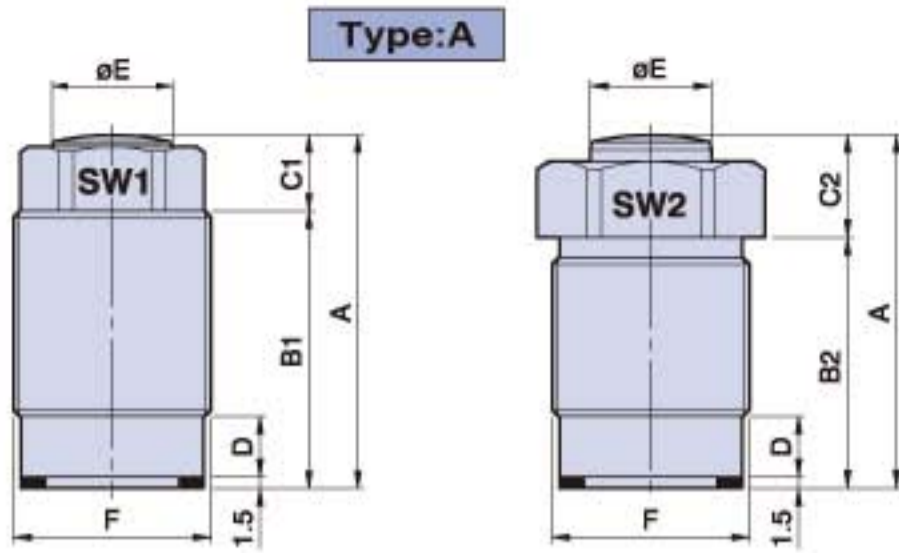


Specifications

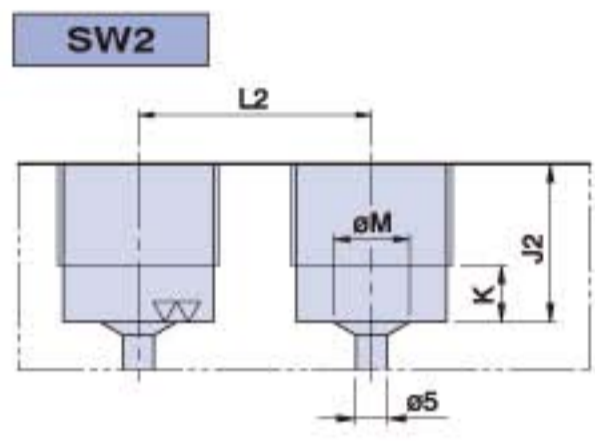
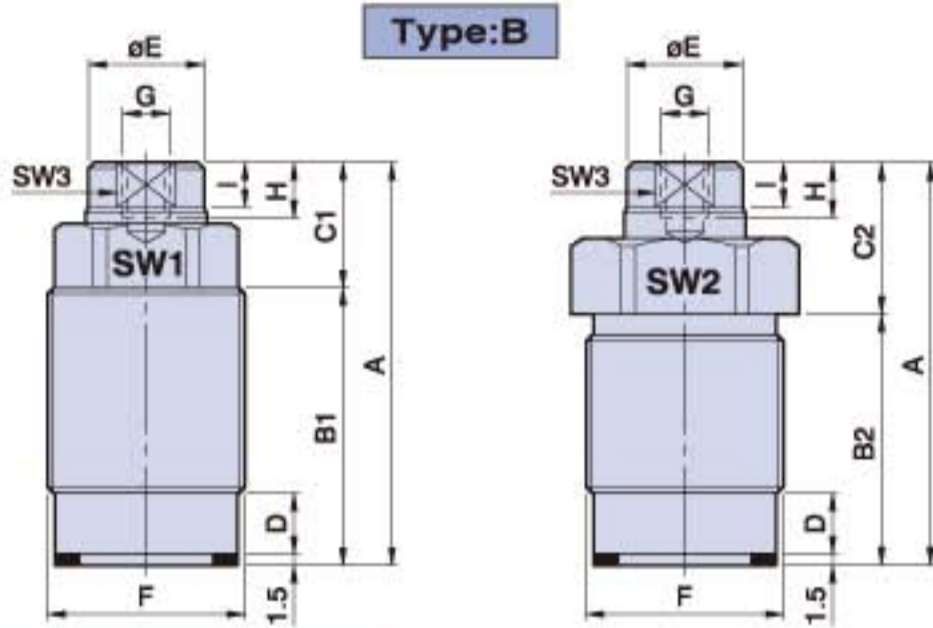
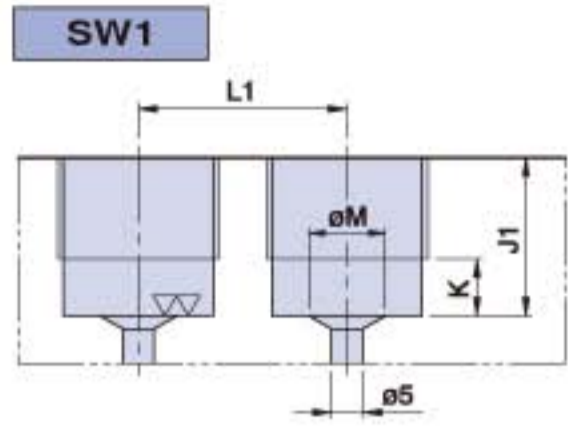
Rod sizem	mm	$\phi 12$	$\phi 16$	$\phi 20$	$\phi 25$
Rod stroke	mm	10	12	15	16
Clamping force	100kg/cm ²	110	200	310	490
	500kg/cm ²	570	1010	1570	2460
Spring restoring force	Min kg	2.8	5	7.8	12.3
Min. pressure	kg/cm ²	10	10	10	10
Oil needed	cc /10mm stroke	1.13	2.01	3.14	4.91
Fluid		Filtered hydraulic oil			

Ordering Code





Mounting base diagram



Dimensional table

UNIT:mm

ITEM	MODEL	TC-12A	TC-16A	TC-20A	TC-25A	TC-12B	TC-16B	TC-20B	TC-25B
A		38	46.5	56	59.5	45	52.5	65.5	68.5
B1		31	36.5	45	46	31	36.5	45	46
B2		25	33	42	44.5	25	33	42	44.5
C1		7	10	11	13.5	14	16	20.5	22.5
C2		13	13.5	14	15	20	19.5	23.5	24
D		7	8	8	11	7	8	8	11
øE		12	16	20	25	11	15	19	23
F		M22x1.5	M26x1.5	M30x1.5	M38x1.5	M22x1.5	M26x1.5	M30x1.5	M38x1.5
G		—	—	—	—	M6x1.0	M6x1.0	M8x1.25	M8x1.25
H		—	—	—	—	6	6	8	8
I		—	—	—	—	5.5	5.5	6	7
J1	Min/Max	16 / 31	20 / 36	24 / 45	28 / 46	16 / 31	20 / 36	24 / 45	28 / 46
J2	Min/Max	16 / 24.5	20 / 32.5	24 / 41.5	28 / 44	16 / 24.5	20 / 32.5	24 / 41.5	28 / 44
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	9 / 12	12 / 16	14 / 20	18 / 25	9 / 12	12 / 16	14 / 20	18 / 25
SW1		17	22	24	32	17	22	24	32
SW2		24	27	32	41	24	27	32	41
SW3		—	—	—	—	10	13	17	19