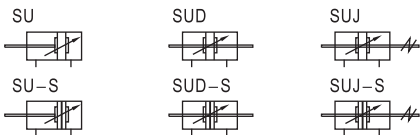


Standard cylinder(Profile)
SU Series



Symbol



Product feature

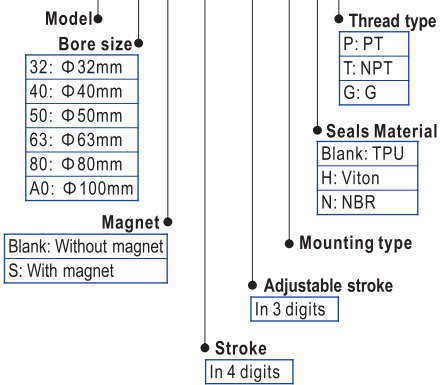
- 1. Standard cylinder manufactured by our enterprise.
- 2. The seal of piston adopts heterogeneous two way seal structure. It's dimension is tight and it has the function of oil reservation.
- 3. It is no tie rod cylinder. The cylinder barrel is "Mickey Mouse" shape ,and have good corrosion.
- 4. Compared with ISO15552 standard cylinder, SU series cylinder with the same bore size is shorter.
- 5. The buffer adjustment of cylinder is smooth and steady.
- 6. Mounting accessories are the same as SC series.
- 7. The seal material with high temperature resistance is adopted to guarantee the normal operation of cylinder at 150°C.

Ordering code

Model can to be changed Ordering code. Example:
Production type: SUJ
Bore size: 100mm
Stroke: 500mm
Adjustable stroke: 75mm
Magnet: With magnet
Mounting type: CB
Seals material: NBR
Thread type: NPT

Model: SUJ-100 × 500-75-S-N-CB-T

Ordering code: SUJ A0 S 0500 075 CB N T



Specification

Bore size(mm)	32	40	50	63	80	100
Acting type	Double acting					
Fluid	Air(to be filtered by 40 μ m filter element)					
Mounting type	SU	Basic	FA	FB	CA	CB LB TC TCM1
	SUD, SUJ	Basic	FA	LB	TC	TCM1
Operating pressure	0.1~1.0MPa(15~145psi)(1.0~10.0bar)					
Proof pressure	1.5MPa(215psi)(15bar)					
Temperature °C	-20~80					
Speed range mm/s	30~800					
Stroke tolerance	0~250 ^{+1.0} ₀ 251~1000 ^{+1.4} ₀ 1001~1500 ^{+1.8} ₀					
Cushion type	Variable cushion					
Adjustable cushion stroke mm	21				28	29
Port size ①	1/8"	1/4"	3/8"		1/2"	

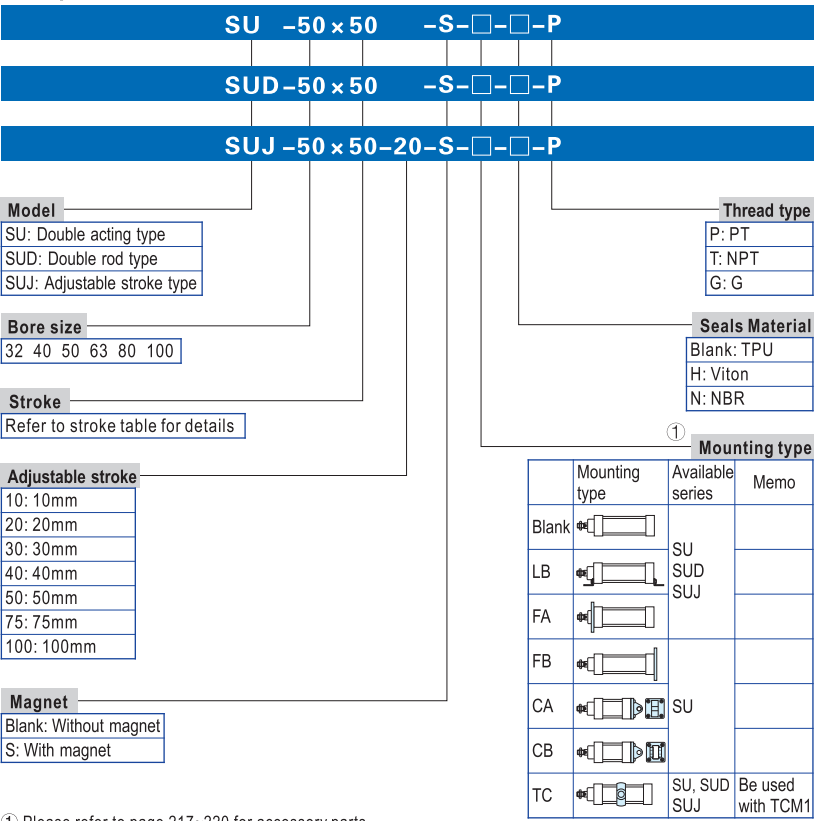
① PT thread, NPT thread and G thread are available.
Add) Refer to P403~426 for detail of sensor switch.

Stroke

Bore size (mm)	Standard stroke (mm)																Max. std stroke	Max. stroke					
32	25	50	75	80	100	125	150	160	175	200	250	300	350	400	450	500	1000	1800					
40	25	50	75	80	100	125	150	160	175	200	250	300	350	400	450	500	600	700	800	1200	1800		
50	25	50	75	80	100	125	150	160	175	200	250	300	350	400	450	500	600	700	800	900	1000	1200	1800
63	25	50	75	80	100	125	150	160	175	200	250	300	350	400	450	500	600	700	800	900	1000	1500	1800
80	25	50	75	80	100	125	150	160	175	200	250	300	350	400	450	500	600	700	800	900	1000	1500	1800
100	25	50	75	80	100	125	150	160	175	200	250	300	350	400	450	500	600	700	800	900	1000	1500	1800

Note) Consult us for non-standard stroke.

Explain of model



① Please refer to page 217~220 for accessory parts.



Standard cylinder(Profile)
SU Series



Inner structure and material of major parts

SU		
NO.	Item	Material
1	Rod nut	Carbon steel
2	Piston rod	Carbon steel with 20 μ m chrome plated
3	Front cover packing	TPU
4	Bushing	Wear resistant material
5	Front cover	Aluminum alloy
6	Cushion O-ring	NBR
7	Cushion gasket	TPU
8	Barrel	Aluminum alloy
9	Piston	Aluminum alloy
10	Piston rod O-ring	NBR
11	Piston seal	NBR
12	Magnet	Plastic
13	Wear ring	Wear resistant material
14	Bolt	Carbon steel
15	Back cover	Aluminum alloy
16	Tie-rod nut	Carbon steel

Dimensions

SU	
Bore size\Item	A B C D E F G H I J K
32	140 47 93 28 32 15 27.5 22 17 6 M10×1.25
40	142 49 93 32 34 15 27.5 24 17 7 M12×1.25
50	150 57 93 38 42 15 27.5 32 23 8 M16×1.5
63	153 57 96 38 42 15 27.5 32 23 8 M16×1.5
80	182 75 107 47 54 21 33 40 26 10 M20×1.5
100	188 75 113 47 54 21 33 40 26 10 M20×1.5
Bore size\Item	L M N O P Q R S T V W
32	M6×1.0 9.5 14 1/8" 5.5 6 6.5 45 33 12 10
40	M6×1.0 9.5 15 1/4" 6 5 8.5 50 37 16 14
50	M6×1.0 9.5 17 1/4" 8.5 2.5 10 62 47 20 17
63	M8×1.25 9.5 15 3/8" 9.5 4 8.5 75 56 20 17
80	M10×1.5 11.5 19.5 3/8" 10 4.5 14 94 70 25 22
100	M10×1.5 11.5 16.5 1/2" 11 6.5 14 112 84 25 22
Remark: The dimensions of magnet type cylinder are the same as non-magnet type cylinder.	

SUD	

SUJ	
Bore size\Item	A1 A2 B C E Z J K
32	187 182 47 93 32 27 6 M10X1.25
40	191 185 49 93 34 28 7 M12X1.25
50	207 194 57 93 42 29 8 M16X1.5
63	210 197 57 96 42 29 8 M16X1.5
80	257 238.5 75 107 54 35.5 10 M20X1.5
100	263 244.5 75 113 54 35.5 10 M20X1.5
Remark: 1. The dimensions of magnet type cylinder are the same as non-magnet type cylinder. 2. The unmarked dimension is the same as SU standard type.	



SU