

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 aluminum profile with hard anodizing treatment.
4. Compared with ISO15552 standard cylinder, SCE 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.

Symbol



Specification

Bore size(mm)	32	40	50	63	80	100
Acting type	Double acting					
Fluid	Air(to be filtered by 40μm filter element)					
Operating pressure	0.15~1.0MPa(22~145psi)(1.5~10.0bar)					
Proof pressure	1.5MPa(215psi)(15bar)					
Temperature	-20~70°C					
Speed range	30~800 mm/s					
Stroke tolerance	0~250 ^{+1.0} ₀		251~1000 ^{+1.5} ₀		1001~2000 ^{+2.0} ₀	
Cushion type	Variable cushion					
Cushion stroke	21			28		29
Port size [Note1]	G1/8	G1/4		G3/8		G1/2

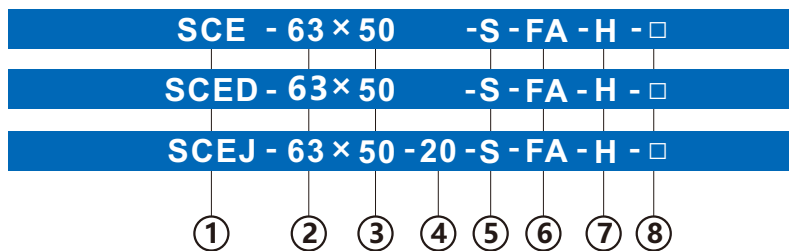
[Note1] The standard thread type is G thread, Please control us for other thread type.

Standard Stroke

Bore size(mm)	Standard stroke	Max.std stroke	Max. stroke
32	25 50 75 100 125 150 175 200 250 300 350 400 450 500	1000	2000
40	25 50 75 100 125 150 175 200 250 300 350 400 450 500 600 700 800	1200	2000
50	25 50 75 100 125 150 175 200 250 300 350 400 450 500 600 700 800 900 1000	1200	2000
63	25 50 75 100 125 150 175 200 250 300 350 400 450 500 600 700 800 900 1000	1500	2000
80	25 50 75 100 125 150 175 200 250 300 350 400 450 500 600 700 800 900 1000	1500	2000
100	25 50 75 100 125 150 175 200 250 300 350 400 450 500 600 700 800 900 1000	1500	2000

[Note] Consult us for non-standard stroke.

Ordering code



① Model	② Bore size
SCE: Double acting type	32 40 50 63
SCED: Double rod type	80 100
SCEJ: Adjustable stroke type	

③ Stroke
Refer to stroke table for details

⑥ Mounting style	
Mounting style	Adaptable series
Blank: No accessories	SC
LB: LB type	SCD
FA: FA type	SCJ
FB: FB type	
CA: CA type	SC
CB: CB type	

[Note1] TC are used with TCM1.

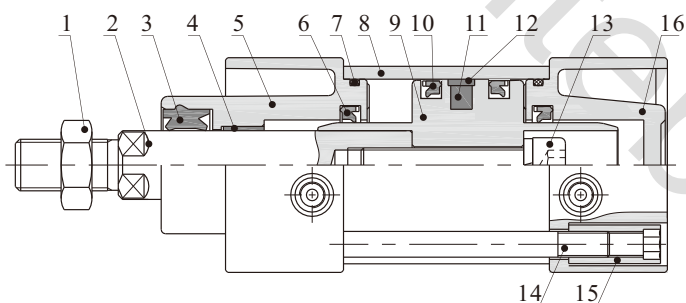
⑤ Magnet
Blank: Without magnet
S: With magnet

⑦ Seals material
Blank: NBR
H: Viton
T: TPU

⑧ Thread type
Blank: G thread
PT: PT thread

④ Adjustable stroke	
Series	Adjustable stroke
SCEJ series	10: 10mm
	20: 20mm
	30: 30mm
	40: 40mm
	50: 50mm
	75: 75mm
100: 100mm	
Others series	No this code

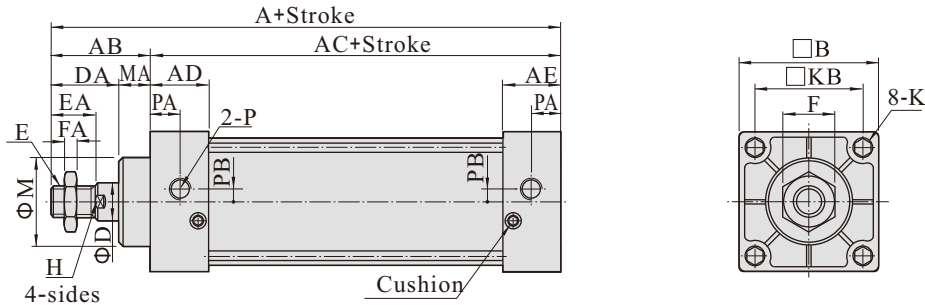
Inner structure and material of major parts



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

Dimensions

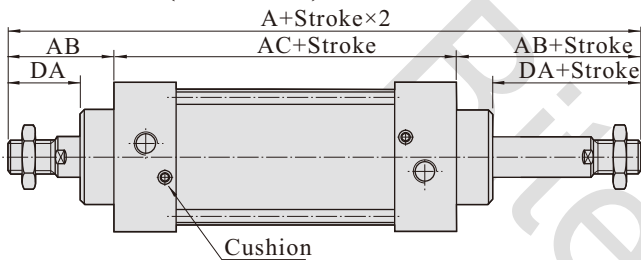
SCE Series(Φ32~Φ100)



Bore size\Item	A	AB	AC	AD	AE	B	D	DA	E	EA	F	FA	H	K	KB	M	MA	P	PA	PB
32	140	47	93	27.5	27.5	45	12	32	M10×1.25	22	17	6	10	M6×1.0	33	28	15	G1/8	13.5	3.5
40	142	49	93	27.5	27.5	50	16	34	M12×1.25	24	17	7	13	M6×1.0	37	32	15	G1/4	13.5	6
50	150	57	93	27.5	27.5	62	20	42	M16×1.5	32	23	8	17	M6×1.0	47	38	15	G1/4	13.5	8.5
63	153	57	96	27.5	27.5	75	20	42	M16×1.5	32	23	8	17	M8×1.25	56	38	15	G3/8	13.5	9.5
80	182	75	107	33	33	94	25	54	M20×1.5	40	26	10	22	M10×1.5	70	47	21	G3/8	16.5	10
100	188	75	113	33	33	112	25	54	M20×1.5	40	26	10	22	M10×1.5	84	47	21	G1/2	16.5	11

Remark: The dimensions of magnet type cylinder are the same as non-magnet type cylinder.

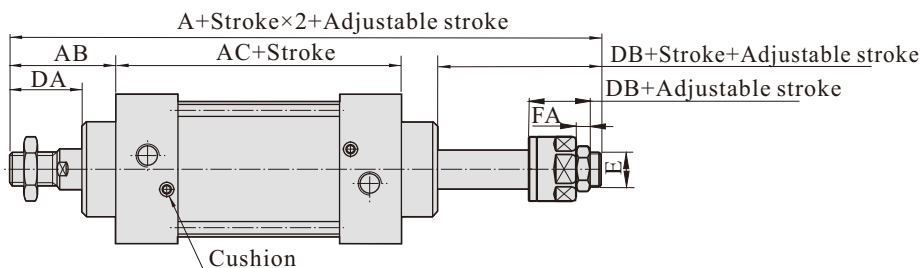
SCED Series(Φ32~Φ100)



Bore size\Item	A(SCD)	A(SCJ)	AB	AC	DA
32	187	182	47	93	32
40	191	185	49	93	34
50	207	194	57	93	42
63	210	197	57	96	42
80	257	238.5	75	107	54
100	263	244.5	75	113	54

Bore size\Item	DB	E	FA
32	27	M10X1.25	6
40	28	M12X1.25	7
50	29	M16X1.5	8
63	29	M16X1.5	8
80	35.5	M20X1.5	10
100	35.5	M20X1.5	10

SCEJ Series(Φ32~Φ100)



Remark:

1. The dimensions of magnet type cylinder are the same as non-magnet type cylinder.
2. The unmarked dimension is the same as SCE standard type.