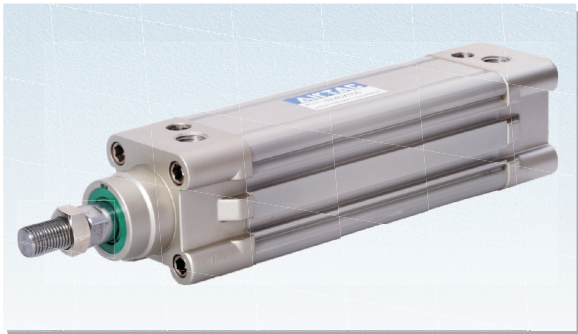
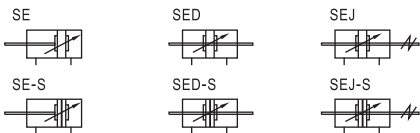


ISO15552 Standard cylinder

SE Series



Symbol



Product feature

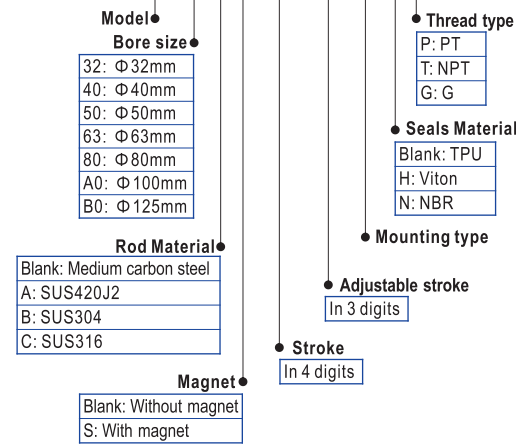
- 1. ISO15552 and VDMA24562 standard cylinder;
- 2. The piston seal is composed of two Y-shape one-way seal structure, which has compensation function, long service life and low start-up pressure;
- 3. The square aluminum pipe without tie rod has good corrosion resistance;
- 4. The buffer adjustment of cylinder is smooth and steady;
- 5. Cylinders and accessories for installation with several specifications are optional.

Ordering code

Model can to be changed Ordering code. Example:
Production type: SEJ
Bore size: 100mm
Rod material: SUS304
Stroke: 500mm
Adjustable stroke: 75mm
Magnet: With magnet
Mounting type: LB
Seals material: NBR
Thread type: NPT

Model: SEJ-100B x 500-75-S-N-LB-T

Ordering code: SEJ A0 B S 0500 075 LB N T



Specification

Bore size(mm)		32	40	50	63	80	100	125				
Acting type		Double acting										
Fluid		Air(to be filtered by 40 μ m filter element)										
Mounting type	SE	Basic	FA	FB	CA	CB	CR	LB	TC	FTC	TCM1	TCM2
	SED, SEJ		Basic	FA	LB	TC	FTC	TCM1	TCM2			
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							30~500			
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		27			30		36		40			
Port size ①		1/8"	1/4"			3/8"			1/2"			

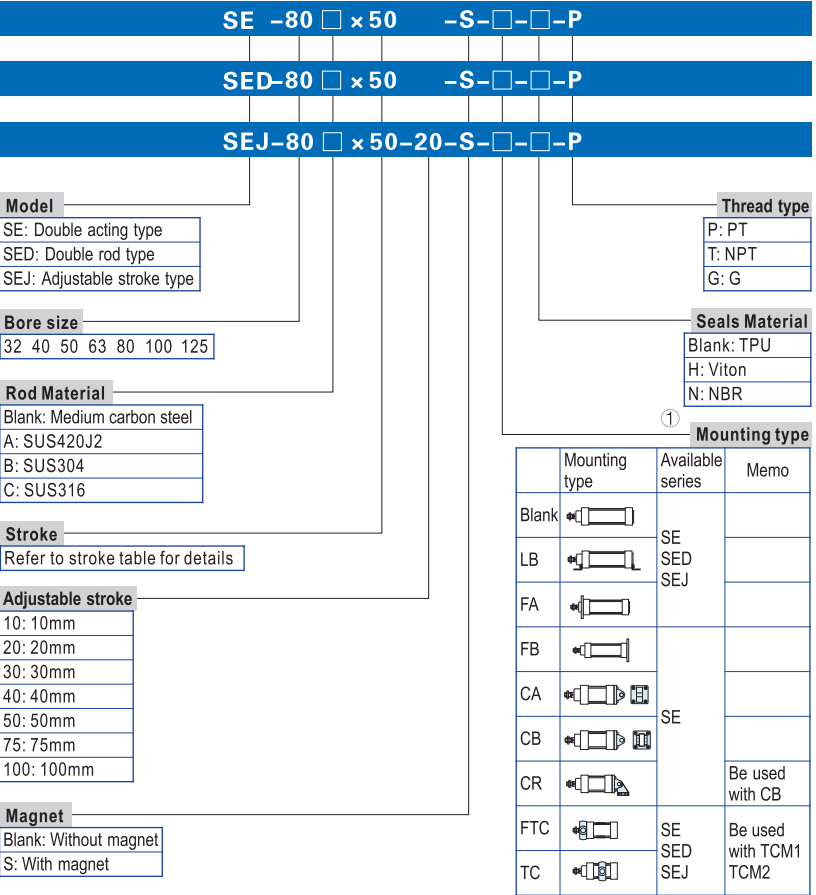
① PT thread, NPT thread and G thread are available.
Add) Refer to P403~426 for detail of sensor switch.

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
125	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 182~184 for accessory parts.



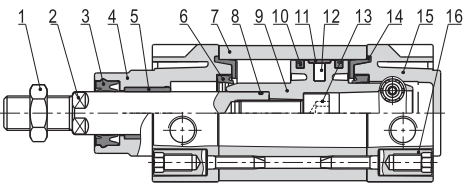
ISO15552 Standard cylinder

SE Series



Inner structure and material of major parts

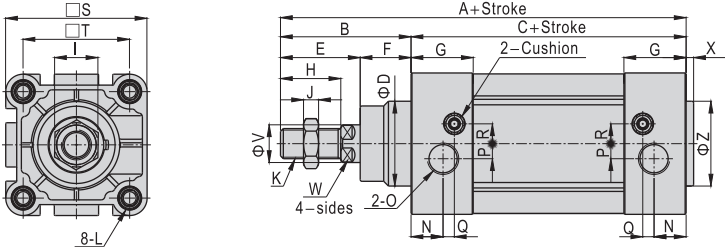
SE



NO.	Item	Material
1	Rod nut	Carbon steel\Stainless steel
2	Piston rod	Carbon steel with 20 μ m chrome plated or Stainless steel
3	Front cover packing	TPU
4	Front cover	Aluminum alloy
5	Bushing	Wear resistant material
6	Cushing O-ring	TPU
7	Barrel	Aluminum alloy
8	O-ring	NBR
9	Piston	Aluminum alloy
10	Piston Seal	TPU
11	Wear ring	Wear resistant material
12	Magnet	Plastic\Rubber(Φ125)
13	Bolt	Carbon steel
14	Buffer gasket	TPU
15	Back cover	Aluminum alloy
16	Screw	Carbon steel\Stainless steel

Dimensions

SE

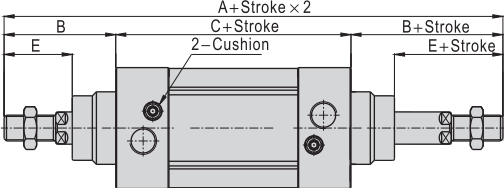


Bore size\Item	A	B	C	D	E	F	G	H	I	J	K
32	142	48	94	30	29	19	27.5	22	17	6	M10×1.25
40	159	54	105	35	33	21	32	24	17	7	M12×1.25
50	175	69	106	40	42	27	31	32	23	8	M16×1.5
63	190	69	121	45	42	27	33	32	23	8	M16×1.5
80	214	86	128	45	53	33	33	40	26	10	M20×1.5
100	229	91	138	55	55	36	37	40	26	10	M20×1.5
125	279	119	160	60	74	45	46	54	41	13.5	M27×2

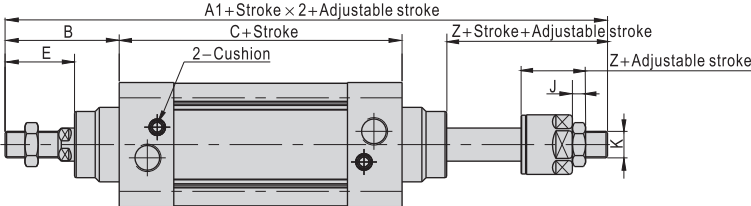
Bore size\Item	L	N	O	P	Q	R	S	T	V	W	X	Z
32	M6	13.5	1/8"	5.8	6	6.3	46.5	32.5	12	10	3	30
40	M6	17.5	1/4"	6	5.5	9	54	38	16	13	3.5	35
50	M8	14	1/4"	8	5	10.5	64	46.5	20	17	3.5	40
63	M8	17	3/8"	8	6	10.5	75	56.5	20	17	4	45
80	M10	16.5	3/8"	8	8.5	12.5	93	72	25	22	4	45
100	M10	19.5	1/2"	10	7	12	110	89	25	22	4	55
125	M12	23	1/2"	11	12	11	134	110	32	27	4	60

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

SED



SEJ



Bore size\Item	A	A1	B	C	E	Z	J	K
32	190	188	48	94	29	27	6	M10X1.25
40	213	208	54	105	33	28	7	M12X1.25
50	244	231	69	106	42	29	8	M16X1.5
63	259	246	69	121	42	29	8	M16X1.5
80	300	282.5	86	128	53	35.5	10	M20X1.5
100	320	300.5	91	138	55	35.5	10	M20X1.5
125	398	366.5	119	160	74	42.5	13.5	M27X2.0

Remark:

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

2. The unmarked dimension is the same as SE standard type.



SE