

## SC/SU series standard cylinder



### Reference models

SC/SU	50×50	S	FA
Series code	Cylinder inner diameter × traveling distance	Magnet code Nil: without magnet S: with magnet	Fixed type Nil: basic type CA: rear cover fixed type (single-ear type) CB: rear cover fixed type (double-ear type) FA: Front cover fixed type (Front flange) FB: Rear cover fixed type (Rear flange) LB: Foot bracket type TC: Swing type TC-M: Swing with foot base
SC: standard repeated move type (pulling rod)			
SU: standard repeated move type (Interior pulling rod)			
SCD: double shaft standard cylinder			
SCJ: double shaft adjustable standard cylinder			
SCJ: Multistep cylinder			

### Selection of sensor switch

Inner diameter	32	40	50	63	80	100	125	160
Mode								
Sensor switch	CS1-F CS1-U							
Fixed base of sensor switch	F-50		F-63		F-100		F-125	F-160

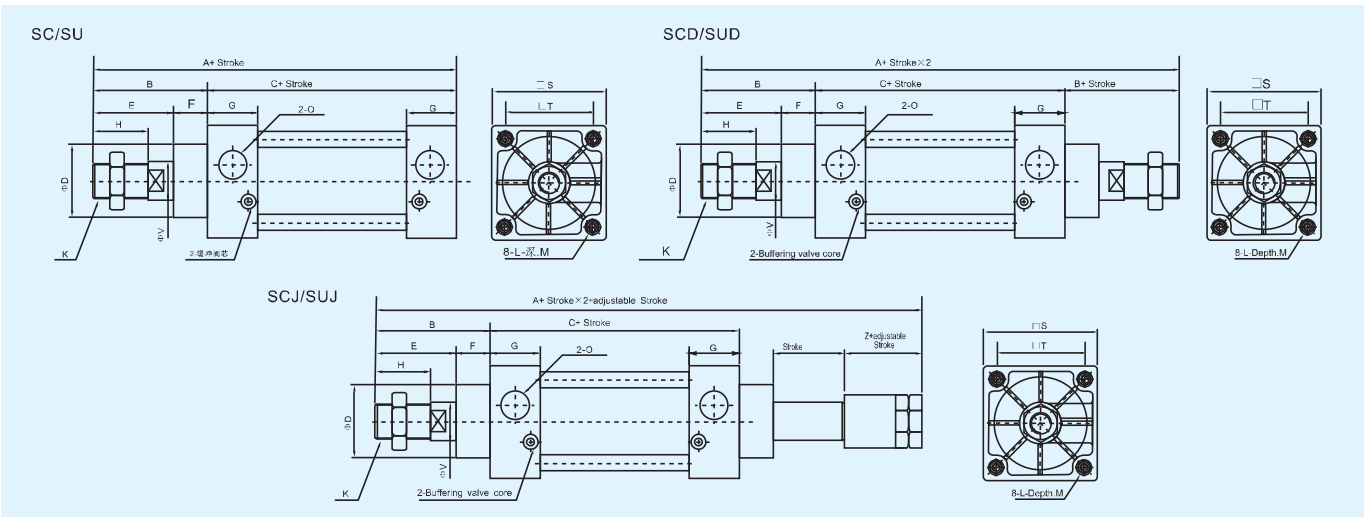
### Stroke of cylinder

Inner diameter (mm)	Standard Stroke (mm)																Maxi traveling distance (mm)	Permissible (limit) travelling distance (mm)		
	25	50	75	100	125	150	175	200	250	300	350	400	500	600	700	800			900	1000
32	25	50	75	100	125	150	175	200	250	300	350	400	500	1000	2000					
40	25	50	75	100	125	150	175	200	250	300	350	400	500	600	700	800	1200	2000		
50	25	50	75	100	125	150	175	200	250	300	350	400	500	600	700	800	900	1000	1200	2000
63	25	50	75	100	125	150	175	200	250	300	350	400	500	600	700	800	900	1000	1500	2000
80	25	50	75	100	125	150	175	200	250	300	350	400	500	600	700	800	900	1000	1500	2000
100	25	50	75	100	125	150	175	200	250	300	350	400	500	600	700	800	900	1000	1500	2000
125	25	50	75	100	125	150	175	200	250	300	350	400	500	600	700	800	900	1000	1500	2000
160	25	50	75	100	125	150	175	200	250	300	350	400	500	600	700	800	900	1000	1500	2000

### Technical specifications

Inner diameter (mm)	32	40	50	63	80	100
Acting mode	Repeated move					
Working medium	Air (Cleaned by 40 μm filter)					
Operating pressure	0.1~0.9Mpa(1~9kgf/cm <sup>2</sup> )					
Guaranteed withstand pressure	1.35MPa(13.5kgf/cm <sup>2</sup> )					
Working temperature	-5~70°C					
Buffering mode	Adjustable					
Buffering distance (mm)	24					
Port size	1/8"	1/4"	3/8"		1/2"	
Body material	Aluminum alloy					

### Outline dimensions



Inner diameter (mm)	A	A1	A2	B	C	D	E	F	G	H	K	K	O	S	T	V
32	140	187	182	47	93	28	32	15	27.5	22	M10×1.25	M6×1	G1/8	45	33	12
40	142	191	185	49	93	32	34	15	27.5	24	M12×1.25	M6×1	G1/4	50	37	16
50	150	207	196	57	93	38	42	15	27.5	32	M16×1.5	M6×1	G1/4	62	47	20
63	153	210	199	57	96	38	42	15	27.5	32	M16×1.5	M8×1.25	G3/8	75	56	20
80	183	258	243	75	108	47	54	21	33	40	M20×1.5	M10×1.25	G3/8	94	70	25
100	189	264	249	75	114	47	54	21	33	40	M20×1.5	M10×1.25	G1/2	112	84	25
125	242	339	314	96	146	60	64	32	40	54	M27×2	M12	G1/2	140	110	32
160	323	480	441	152	171	70	99	53	45	72	M36×2	M16	G1/2	180	145	40
200	338	-	-	154	184	75	99	55	50	72	M36×2	M16	G1/2	220	180	40
250	384	-	-	189	195	95	119	70	50	84	M42×2	M20	G3/4	280	225	50
320	431	-	-	221	210	110	136	85	55	96	M48×2	M24	G3/4	350	280	60
400	516	-	-	261	255	150	136	125	55	100	M56×4	M27	G1	435	350	90