

SC / SU Series Standard Cylinder



Ordering Code

SC	D	50	50	25	S	LB	MT
Series	Series Code	Bore	Stroke	Adjustable Stroke	Magnet	Mountings	Sensor
SC: Tie rod type	Blank: Standard double acting	32	10: 10mm	S: With magnet	Blank: Basic mounting	JEL-21R Type	
		40	20: 20mm	Blank: Without magnet	LB: Foot		
		50	30: 30mm		FA: Front flange	SC: Bracket for switch	
SU: Profile type	D: Double-shaft double acting	63	50: 50mm		FB: Back flange	SU: Bracket for switch	
		80	75: 75mm		CA: Back hinge		
		100	100: 100mm		CB: Back hinge		
	J: Double-shaft with adjustable stroke type	125			TC-M: Center trunnion		

* Standard wire length is 1 meter, please specify for other length

Specification

Bore (mm)	32	40	50	63	80	100	125
Operation	Double Acting						
Working Medium	Air						
*Mountings	Basic FA FB CA CB LB TC TC-M						
Operating Pressure Range	1 ~ 9.0Kgf/cm ²						
Proof Pressure	13.5Kgf/cm ²						
Operating Temperature Range	-20 ~ 80°C						
Operating Speed Range	50 ~ 800mm/s						
Cushion	Adjustable Cushion						
Adjustable Cushion Stroke	20mm			26mm			
Port Size	G1/8"	G1/4"	G3/8"		G1/2"		

* SCD, SCJ mountings: FA, FB, LB, TC and TC-M type.

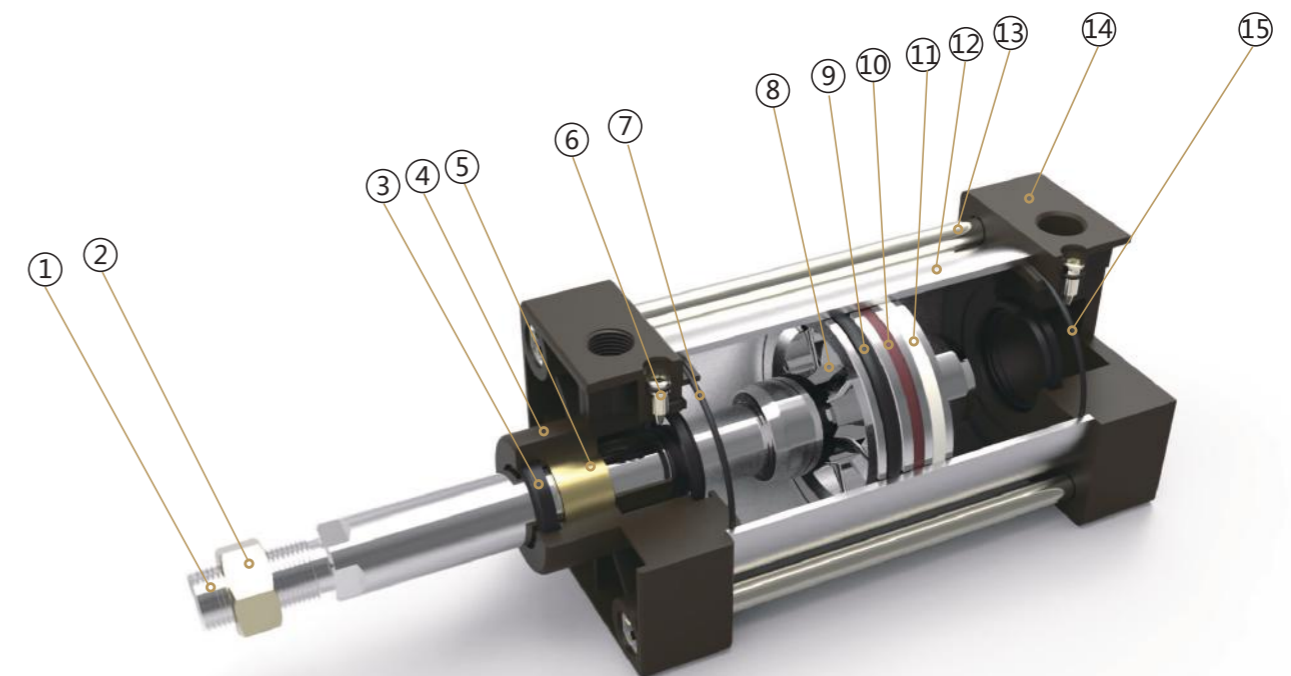
ISO9001:2015 CE

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Stroke

Bore	Standard Stroke	Max. Stroke	Allowable Stroke
32	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500	1000	2000
40	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800	1200	2000
50	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1200	2000
63	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1500	2000
80	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1500	2000
100	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1500	2000
125	25 50 75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1500	2000

Internal Structure



Parts

Number	Name	Number	Name
1	Piston rod	9	Piston seal
2	Hexagon nut	10	Magnet
3	Shaft seal	11	Anti-friction ring
4	Front cover	12	Barrel
5	Copper tube	13	Pull rod
6	Cushion adjust screw	14	Back cover
7	Cushion seal	15	O ring
8	Piston		

Cylinder
Calculation
SI
SI A.
SIB
SQ
DNT
SC / SU
SCT
SC A.
SL
DN
DSN
DN/DSN A.
MA
MAC
MA/MAC A.
MAL
MALC
MAL/MALC A.
SDA
CQ2
TCQ2
ADN
TADN
PPRM
MHL2
Pneumatic Fingers
MXH/MXQ
CJP
CJ2
CDU
TN
CXs
MGP
MSQ

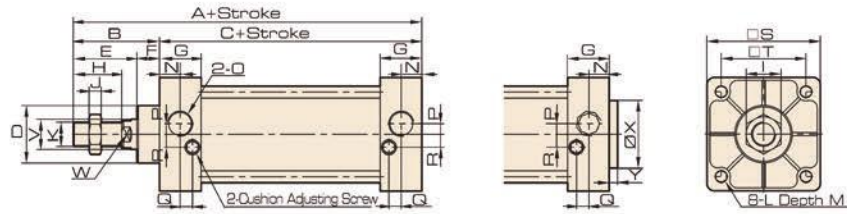
Cylinder
Calculation
SI
SI A.
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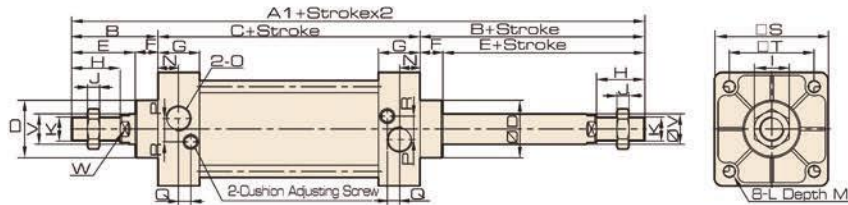


Overall Dimension

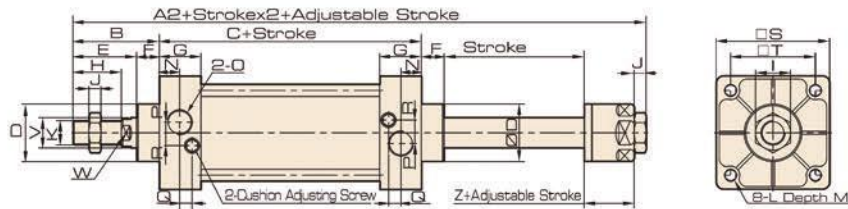
SC



SCD



SCJ



Dimension

Bore/ Symbol	A	A1	A2	B	C	D	E	F	G	H	I	J	K	L
32	140	187	182	47	93	28	32	15	27.5	22	17	6	M10×1.25	M6
40	141	191	185	48	93	32	34	15	27.5	24	17	7	M12×1.25	M6
50	150	207	196	57	93	38	42	15	27.5	32	23	8	M16×1.5	M6
63	153	210	199	57	96	38	42	15	27.5	32	23	8	M16×1.5	M8
80	183	258	243	75	108	47	54	21	33	40	26	10	M20×1.5	M10
100	189	264	249	75	114	47	54	21	33	40	26	10	M20×1.5	M10
125	226	330	313	104	122	55	70	34	33	54	40	10	M27×2	M12

Bore/ Symbol	M	N	O	P	Q	R	S	T	V	W	Z	X	Y
32	9.5	13.5	G1/8	3.5	7.5	7	45	33	12	10	21	/	/
40	9.5	1.5	G1/4	6	8.2	9	50	37	16	14	21	/	/
50	9.5	13.5	G1/4	8.5	8.2	9	62	47	20	17	23	/	/
63	9.5	13.5	G3/8	7	8.2	8.5	75	56	20	17	23	/	/
80	11.5	16.5	G3/8	10	9.5	14	94	70	25	22	25.5	/	/
100	11.5	16.5	G1/2	11	9.5	14	112	84	25	22	25.5	/	/
125	15.5	16.5	G1/2	10	10	11	140	110	32	27	30	/	/

- Cylinder
- Calculation
- SI
- SI A.
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- CQ2
- TCQ2
- ADN
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