



239, Gobind Udyog Bhavan, Model Town
Mulund(W), Mumbai-400080
Tel.: +91-2221641896, 21645737
Mobile No.: +91-9594451155
Email: info@honeytech.in . Website: www.honeytech.in



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SDA Series Compact Cylinder



■ Bore: Φ 16-100mm



SDA



SDA-2S



SDA-S



SDA-2S-S

Features

- Manufactured by SPAC standards
- Compact, light weight and space saving design
- Large clamping force in relation to their size
- Available with male and female thread piston rod
- Magnetic and non-magnetic versions
- Single and double acting configurations are available
- Easy in maintenance and disassembly

Order Code

SDA

Series
SDA: Standard Double Acting Type

20 X 30

Size
Bore X Stroke

2S

Piston Rod
Blank: single rod
2S: through rod

B

Piston Rod Thread
Blank: Female thread
B: male thread

S

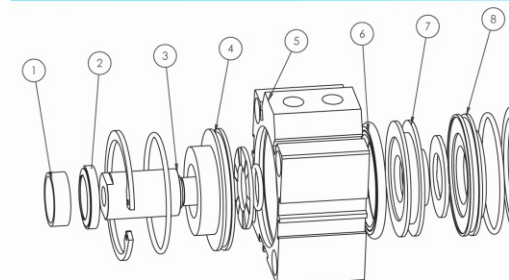
Magnet
Blank: without magnet
S: with magnet

Technical Parameter

Bore (mm)	16	20	25	32	40	50	63	80	100
Standard Stroke Length* (mm)	5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80								
Action	Double Acting Type								
Medium	Filtered And Lubricated Compressed Air								
Operating Pressure Range	1 - 10 Kgf/cm ²								
Proof Pressure	15 Kgf/cm ²								
Ambient and Medium Temperature	-5 - 70 ^o c								
Operating Piston Speed	50 - 500 mm/s							50 - 300 mm/s	
Cushion Type	Rubber Bumper On Both Ends								
Port Size	M5 X 0.8			G1/8"		G1/4"		G3/8"	

* Non standard or longer stroke cylinders available on request

Components

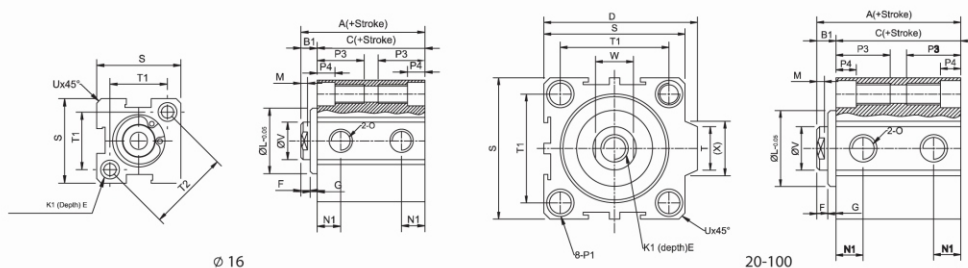


- 1 Guide Bush- Brass
- 2 Neck Seal-NBR
- 3 Piston Rod- EN-8 Chrome plated or S.S.
- 4 Front cup- Brass
- 5 Barrel- Anodised Aluminium Alloy
- 6 Piston Seal- NBR
- 7 Piston- Aluminium
- 8 Rear Cup Brass

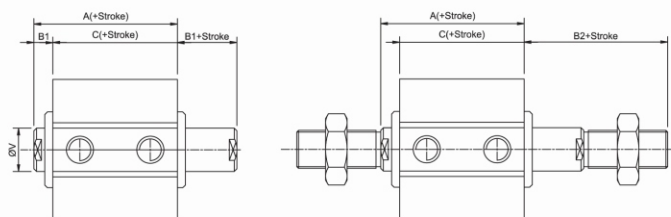
SDA Series Compact Cylinder

SDA

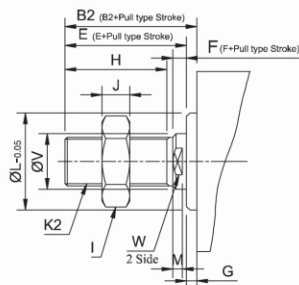
Overall Dimension



SDA-25



Rod End Male Thread



SDA Series Compact Cylinder

Dimension Table

Type	Standard type			With magnet			E		F	G	K1	L	M	N1
Bore	A	B1	C	A	B1	C	D	Stroke<10	Stroke>10					
16	24	5.5	18.5	34	5.5	28.5	—	6	4	1.5	M3 x 0.5	11	2.8	7.3
20	25	5.5	19.5	35	5.5	29.5	36	8	4	1.5	M4 x 0.7	15	2.8	7.5
25	27	6	21	37	6	31	42	10	4	2	M5 x 0.8	17	2.8	8
32	31.5	7	24.5	41.5	7	34.5	50	12	4	3	M6 x 1	22	2.8	9
40	33	7	26	43	7	36	58.5	12	4	3	M8 x 1.25	28	2.8	10
50	37	9	28	47	9	38	71.5	15	5	4	M10 x 1.5	38	2.8	10.5
63	41	9	32	51	9	42	84.5	15	5	4	M10 x 1.5	40	2.8	11.8
80	52	11	41	62	11	51	104	15	6	5	M14 x 2	45	4	14.5
100	63	12	51	73	12	61	124	18	7	5	M18 x 1.5	55	4	20.5

Bore	O	P1	P3	P4	R	S	T1	T2	U	V	W	X	Y
16	M5x0.8	Double Sides: $\phi 6.5$ /Thread: M5 x 0.8/Through ports: $\phi 4.2$	12	4.5	2	29	19.8	28	1.6	6	5	—	—
20	M5x0.8	Double Sides: $\phi 6.5$ /Thread: M5 x 0.8/Through ports: $\phi 4.2$	14	4.5	2	34	24	—	2.1	8	6	11.3	10
25	M5x0.8	Double Sides: $\phi 8.2$ /Thread: M6 x 1.0/Through ports: $\phi 4.6$	15	5.5	2	40	28	—	3.1	10	8	12	10
32	G1/8"	Double Sides: $\phi 8.2$ /Thread: M6 x 1.0/Through ports: $\phi 4.6$	16	5.5	6	44	34	—	2.15	12	10	18.3	15
40	G1/8"	Double Sides: $\phi 10$ /Thread: M8 x 1.25/Through ports: $\phi 6.5$	20	7.5	6.5	52	40	—	2.25	16	14	21.3	16
50	G1/4"	Double Sides: $\phi 11$ /Thread: M8 x 1.25/Through ports: $\phi 6.5$	25	8.5	9.5	62	48	—	4.15	20	17	30	20
63	G1/4"	Double Sides: $\phi 11$ /Thread: M8 x 1.25/Through ports: $\phi 6.5$	25	8.5	9.5	75	60	—	3.15	20	17	28.7	20
80	G3/8"	Double Sides: $\phi 14$ /Thread: M12 x 1.75/Through ports: $\phi 9.2$	25	10.5	10	94	74	—	3.65	25	22	36	26
100	G3/8"	Double Sides: $\phi 17.5$ /Thread: M14 x 2/Through ports: $\phi 11.3$	30	13	10	114	90	—	3.65	32	27	35	26

Rod End Male Thread

Bore	B2	E	F	G	H	I	J	K2	L	M	V	W
16	17.5	16	4	1.5	10	8	4	M5x0.8	11	2.8	6	5
20	20.5	19	4	1.5	13	10	5	M8x1.25	16	2.8	8	6
25	23	21	4	2	15	12	6	M10x1.25	17	2.8	10	8
32	25	22	4	3	15	17	6	M10x1.25	22	2.8	12	10
40	35	32	4	3	25	19	8	M12x1.25	28	2.8	16	14
50	37	33	5	4	25	27	11	M16x1.5	38	2.8	20	17
63	37	33	5	4	25	27	11	M16x1.5	40	2.8	20	17
80	44	39	6	5	30	32	13	M20x1.5	45	4	25	22
100	50	45	7	5	35	36	13	M27x2	55	4	32	27