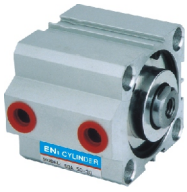
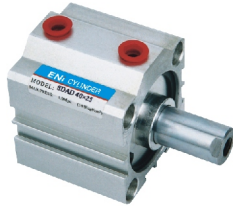


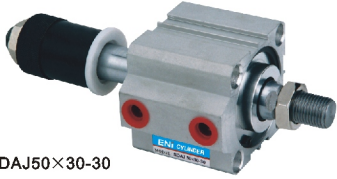
# Compact cylinder SDA series



SDA50×30



SDAD40×25



SDAJ50×30-30

## How to order

SDA	50×50	S	B
Series	Bore × stroke	Built-in magnets	Thread type
SDA: basic type		Nil: without	Nil: female type
SDAD: both sides piston rod type		S: with	B: male thread type
SDAJ: both sides piston rod type (one side adjustable)			N: No thread type

## Applicable Auto switch

Type	Bore size	16	20	25	32	40	50	63	80	100	125	160
Auto switch		CS1-J										

## Stroke

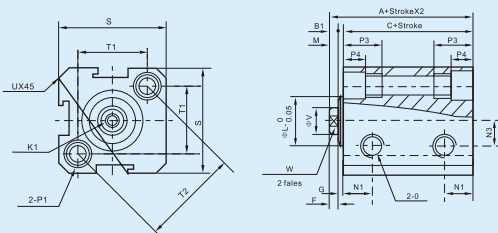
Bore size (mm)	Standard stroke (mm)	Maximum stroke (mm)	Allowable stroke (mm)
12	5 10 15 20 25 30 35 40 45 50	50	60
16	5 10 15 20 25 30 35 40 45 50	50	60
20	5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80	80	90
25	5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80	80	90
32	5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100	130	150
40	5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100	130	150
50	5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100	130	150
63	5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100	130	150
80	5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100	130	150
100	5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100	130	150

## Specification

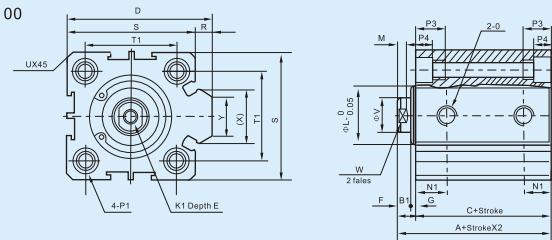
Bore size (mm)	12	16	20	25	32	40	50	63	80	100
Action	Double acting type									
Fluid	Air (filtered through 40 μ filter element)									
Operating pressure	0.1~0.9Mpa (kgf/cm <sup>2</sup> )									
Proof pressure	1.35Mpa (13.5kgf/cm <sup>2</sup> )									
Ambient & fluid temperature	-5~70°C									
Cushion	Without cushion									
Port size	M5			1/8"		1/4"		3/8"		
Body material	Aluminum alloy									

## Dimension

φ12-φ16



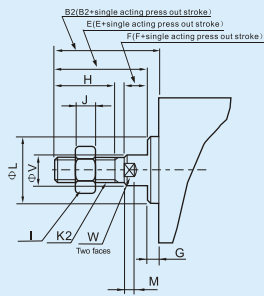
φ20-φ100



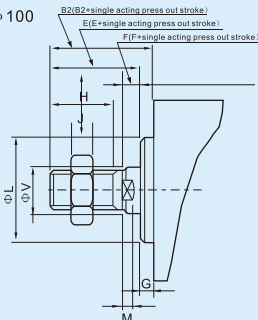
Bore size (mm)	Standard type			With magnet			Stroke ~10 Stroke ~10										
	A	B1	C	A	B1	C	D	E	F	G	K1	L	M	N1	N3	O	
12	22	5	17	32	5	27	-	6	6	4	1	M3×0.5	10.2	2.8	6.3	6	M5×0.8
16	24	5.5	18.5	34	5.5	28.5	-	6	6	4	1.5	M3×0.5	11	2.8	7.3	6.5	M5×0.8
20	25	5.5	19.5	35	5.5	29.5	36	8	8	4	1.5	M4×0.7	16	2.8	7.5	-	M5×0.8
25	27	6	21	37	6	31	42	10	10	4	2	M5×0.8	17	2.8	8	-	M5×0.8
32	31.5	7	24.5	41.5	7	34.5	50	12	12	4	3	M6×1	22	2.8	9	-	G1/8
40	33	7	26	43	7	36	58.5	12	12	4	3	M8×1.25	28	2.8	10	-	G1/8
50	37	9	28	47	9	38	71.5	15	15	5	4	M10×1.5	38	2.8	10.5	-	G1/4
63	41	9	32	51	9	42	84.5	15	15	5	4	M10×1.5	40	2.8	11.8	-	G1/4
80	52	11	41	62	11	51	104	15	20	7	4	M14×1.5	45	4	13.5	-	G3/8
100	63	12	51	73	12	61	124	18	20	7	5	M18×1.5	55	4	17	-	G3/8

Bore size (mm)	Standard type	P3	P4	R5	S	T1	T2	U	V	W	X	Y
		12	Both side: φ6.5 thread M5×0.8 through hole: φ4.2	12	4.5	-	25	16.2	23	1.6	6	5
16	Both side: φ6.5 thread M5×0.8 through hole: φ4.2	12	4.5	-	29	19.8	28	1.6	6	5	-	-
20	Both side: φ6.5 thread M5×0.8 through hole: φ4.2	14	4.5	2	34	24	-	2.0	8	6	11.3	10
25	Both side: φ8.2 thread M6×1.0 through hole: φ4.6	15	5.5	2	40	28	-	3.4	10	8	12	10
32	Both side: φ8.2 thread M6×1.0 through hole: φ4.6	16	5.5	6	44	34	-	2.15	12	10	18.3	15
40	Both side: φ10 thread M8×1.25 through hole: φ6.5	20	7.5	6.5	52	40	-	2.25	16	15	21.3	16
50	Both side: φ11 thread M8×1.25 through hole: φ6.5	25	8.5	9.5	62	48	-	4.15	20	17	30	20
63	Both side: φ11 thread M8×1.25 through hole: φ6.5	25	8.5	9.5	75	60	-	3.15	20	17	28.7	20
80	Both side: φ14 thread M12×1.75 through hole: φ9.2	25	10.5	10	94	74	-	3.65	25	22	36	26
100	Both side: φ17.5 thread M14×2 through hole: φ11.3	30	13	10	114	90	-	3.65	25	22	35	26

φ12-φ16



φ20-φ100



Bore size (mm)	B2	E	F	G	H	I	J	K2	L	M	V	W
12	17	16	4	1	10	8	4	M5×0.8	10.2	2.8	6	5
16	17.5	16	4	1.5	10	8	4	M5×0.8	11	2.8	6	5
20	20.5	19	4	1.5	13	10	5	M6×1.0	15	2.8	8	6
25	23	21	4	2	15	12	6	M8×1.25	17	2.8	10	8
32	25	22	4	3	15	17	6	M10×1.25	22	2.8	12	10
40	35	32	4	3	25	19	8	M14×1.5	28	2.8	16	14
50	37	33	5	4	25	27	11	M18×1.5	38	2.8	20	17
63	37	33	5	4	25	27	11	M18×1.5	40	2.8	20	17
80	44	39	6	5	30	32	13	M22×1.5	45	4	25	22
100	50	45	7	5	35	36	13	M22×1.5	55	4	25	27