

## SDA series thin cylinder



SDA50×30

SDAD40×25

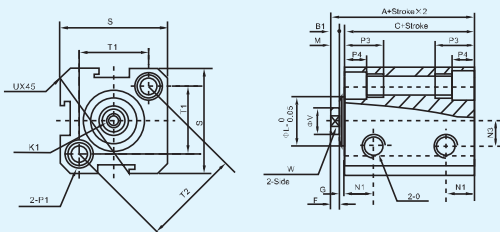
SDAJ50×30-30

### Technical specifications

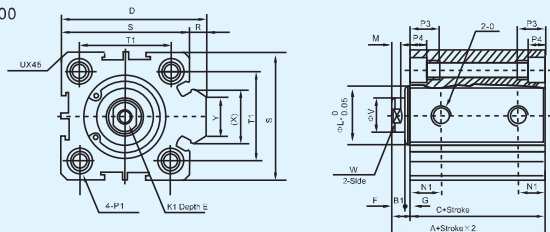
Inner diameter (mm)	12	16	20	25	32	40	50	63	80	100
Acting mode	Repeated move									
Working medium	Air (Cleaned by 40μm filter)									
Operating pressure	0.1~0.9Mpa(kgf/cm <sup>2</sup> )									
Guaranteed withstand pressure	1.35Mpa(13.5kgf/cm <sup>2</sup> )									
Working temperature	-5~70°C									
Buffering mode	With									
Port size	M5			1/8 "		1/4 "		3/8 "		
Body material	Aluminum alloy									

### Outline dimensions

φ 12-φ 16



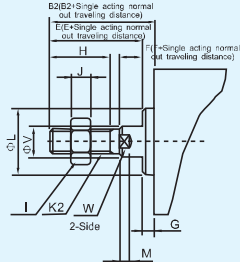
φ 20-φ 100



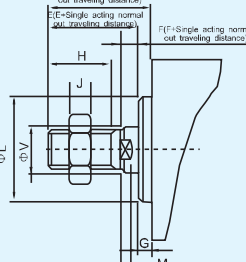
Cylinder inner diameter (mm)	Standard type			Magnet type							L	M	N1	N3	O		
	A	B1	C	A	B1	C	D	E	F	G						K1	
12	22	5	17	32	5	27	-	6	6	4	1	M3×0.5	10.2	2.8	6.3	6	M5×0.8
16	24	5.5	18.5	34	5.5	28.5	-	6	6	4	1.5	M3×0.5	11	2.8	7.3	6.5	M5×0.8
20	25	5.5	19.5	35	5.5	29.5	36	8	8	4	1.5	M4×0.7	16	2.8	7.5	-	M5×0.8
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

Cylinder inner diameter (mm)	Standard type			P3	P4	R5	S	T1	T2	U	V	W	X	Y
	12	16	20											
12	Double side: φ6.5	Thread M5×0.8	Through hole φ4.2	12	4.5	-	25	16.2	23	1.6	6	5	-	-
16	Double side: φ6.5	Thread M5×0.8	Through hole φ4.2	12	4.5	-	29	19.8	28	1.6	6	5	-	-
20	Double 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	Double side: φ8.2	Thread M6×1.0	Through hole φ4.6	15	5.5	2	40	28	-	3.4	10	8	12	10
32	Double 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	Double 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	Double side: φ11	Thread M8×1.25	Through hole φ6.5	25	8.5	9.5	62	48	-	4.15	20	17	30	20
63	Double 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	Double side: φ14	Thread M12×1.75	Through hole φ9	25	10.5	10	94	74	-	3.65	25	22	36	26
100	Double side: φ17.5	Thread M14×2	Through hole φ11.3	30	13	10	114	90	-	3.65	25	22	35	26

φ 12-φ 16



φ 20-φ 100



Cylinder inner diameter (mm)	B2	E	F	G	H	I	J	K2	L	M	V	W
16	17.5	16	4	1.5	10	8	4	M5×0.8 <td>11</td> <td>2.8</td> <td>6</td> <td>5</td>	11	2.8	6	5
20	20.5	19	4	1.5	13	10	5	M6×1.0 <td>15</td> <td>2.8</td> <td>8</td> <td>6</td>	15	2.8	8	6
25	23	21	4	2	15	12	6	M8×1.25 <td>17</td> <td>2.8</td> <td>10</td> <td>8</td>	17	2.8	10	8
32	25	22	4	3	15	17	6	M10×1.25 <td>22</td> <td>2.8</td> <td>12</td> <td>10</td>	22	2.8	12	10
40	35	32	4	3	25	19	8	M14×1.5 <td>28</td> <td>2.8</td> <td>16</td> <td>14</td>	28	2.8	16	14
50	37	33	5	4	25	27	11	M18×1.5 <td>38</td> <td>2.8</td> <td>20</td> <td>17</td>	38	2.8	20	17
63	37	33	5	4	25	27	11	M18×1.5 <td>40</td> <td>2.8</td> <td>20</td> <td>17</td>	40	2.8	20	17
80	44	39	6	5	30	32	13	M22×1.5 <td>45</td> <td>4</td> <td>25</td> <td>22</td>	45	4	25	22
100	50	45	7	5	35	36	13	M26×1.5 <td>55</td> <td>4</td> <td>32</td> <td>27</td>	55	4	32	27

Note: inner thread of SDA100 cylinder is for φ25 piston rod, outer thread for φ32 piston rod, if traveling distance of cylinder more than 50mm, the cylinder column shall extend 10mm.