



订购码 Ordering Code

SDA	-	20	x	50	-	5	-	S	-	B	-	MT
系列代号 Series Code		缸径 Bore		行程 Stroke		可调行程 Adjust Stroke		磁石代号 Magnet Code		牙型 Cog Type		磁性器类型 Sensor
SDA: 复动型 SSA: 单动挤出型 STA: 单动引入型 SDAD: 双轴复动型 SDAJ: 复动可调行程型 SDA: Double Action Type SSA: Single Action Extrusion Type STA: Single Action Drawing-in Type SDAD: Double-shaft Double Action Type SDAJ: Double-shaft & Adjustable Stroke Type		12~100mm				5mm 15mm 25mm		空白: 标准型 S: 内置磁环 Blank: Without Magnet S: With Magnet		空白: 内牙 B: 外牙 N: 无牙 Blank: Inner Thread B: Outer Thread N: No Thread		XYC-11R磁性开关 XYC-11R magnetism switch

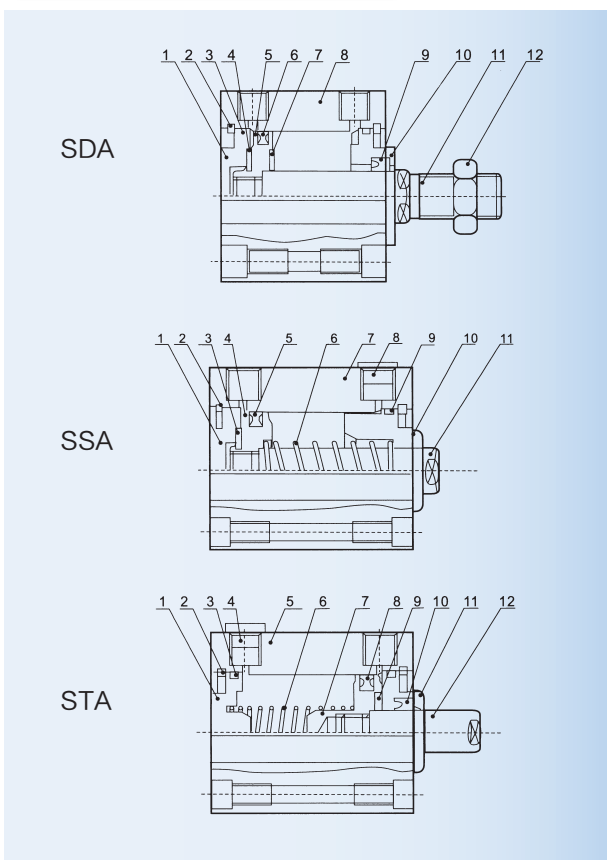
规格 Specification

内径 Bore (mm)		12	16	20	25	32	40	50	63	80	100
动作型式 Motion Pattern		复动型 Double Action									
		单动挤出型 单动引入型 Single Action Extrusion type Single Action Drawing-in Type							—		
工作介质/Working Medium		空气 Air									
使用压力范围 Operating Pressure Range	复动型/Double Action	0.1~0.9MPa									
	单动型/Single Action	0.2~0.9MPa							—		
保证耐压力/Ensured Pressure Resistance		1.35MPa									
使用温度范围/Operating Temperature Range		-5~70℃									
使用速度范围 Operating Speed Range	复动型/Double Action	30~500mm/s						30~350mm/s		30~250mm/s	
	单动型/Single Action	100~500mm/s						—			
缓冲型式/Buffer Type		固定缓冲 Fixed Type Buffer									
接管口径/Port Size		M5×0.8				G1/8"		G1/4"		G3/8"	

行程 Stroke

内径 Bore (mm)		12	16	20	25		32	40	50	63	80	100
复动型 Double Action	不附磁 Without Magnet	5~60mm 每5mm一级 Every 5mm is grouped as one grade		5~85mm 每5mm一级 Every 5mm is grouped as one grade	5~90mm 每5mm一级 Every 5mm is grouped as one grade	100~110mm 每5mm一级 Every 5mm is grouped as one grade	5~90mm 每5mm一级 Every 5mm is grouped as one grade			100~130 mm 每5mm一级 Every 5mm is grouped as one grade		
	附磁型 Attach Magnet	5~50mm 每5mm一级 Every 5mm is grouped as one grade		5~75mm 每5mm一级 Every 5mm is grouped as one grade	5~90mm 每5mm一级 Every 5mm is grouped as one grade	100mm	5~90mm 每5mm一级 Every 5mm is grouped as one grade			100~120 mm 每5mm一级 Every 5mm is grouped as one grade		
单动型 Single Action	不附磁 Without Magnet	5 ~ 30mm 每5mm一级 Every 5mm is grouped as one grade						5~30mm 每5mm一级 Every 5mm is grouped as one grade			—	
	附磁型 Attach Magnet	5 ~ 30mm 每5mm一级 Every 5mm is grouped as one grade						5~30mm 每5mm一级 Every 5mm is grouped as one grade			—	
最大行程/Max.Stroke		60mm		100mm	120mm			130mm				

内部结构 Internal Structure

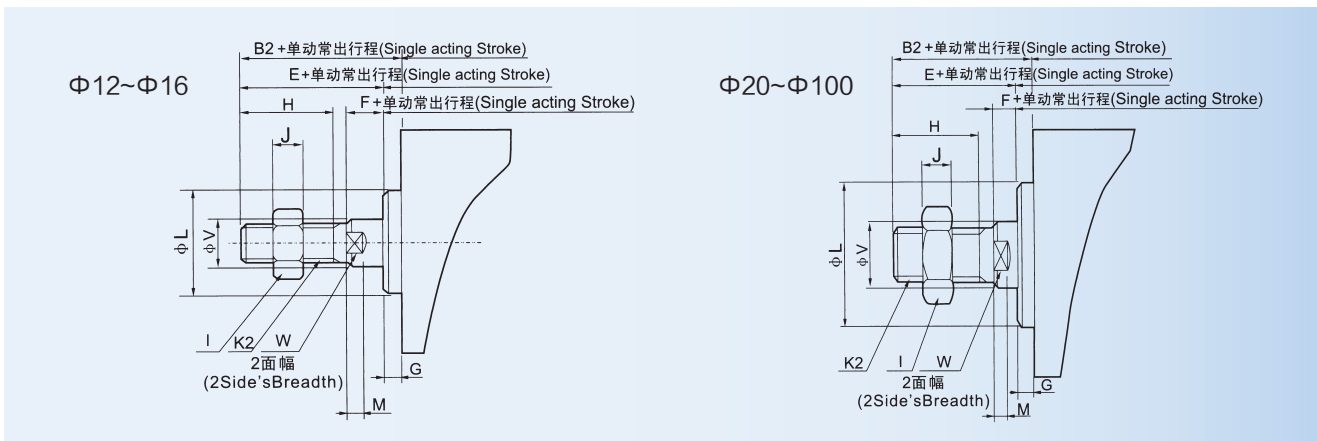


序号 NO.	名称 Designation	序号 NO.	名称 Designation
1	后盖 Back Over	7	防撞垫片 Anti-crash Buffer
2	C型扣环 C Type Buckle Ring	8	缸筒 Barrel
3	前后盖O令 O-ring	9	前盖密封圈 Front Cover Seal Ring
4	防撞垫片 Anti-crash Buffer	10	前盖 Front Cover
5	活塞 Piston	11	活塞杆 Piston Rod
6	活塞O令 Piston O-Ring	12	活塞杆螺母 Piston Rod Nut

序号 NO.	名称 Designation	序号 NO.	名称 Designation
1	后盖 Back Over	7	缸筒 Barrel
2	C型扣环 C Type Buckle Ring	8	消音器 Silencer
3	防撞垫片 Anti-crash Buffer	9	前后盖O令 Cover O-ring
4	活塞 Piston	10	前盖 Front Cover
5	活塞O令 Piston O-Ring	11	活塞杆 Piston Rod
6	压缩弹簧 Compressed Spring		

序号 NO.	名称 Designation	序号 NO.	名称 Designation
1	后盖 Back Over	7	活塞 Piston
2	C型扣环 C Type Buckle Ring	8	活塞O令 Piston O-Ring
3	前后盖O令 Cover O-ring	9	防撞垫片 Anti-crash Buffer
4	消音器 Silencer	10	前盖密封圈 Front Cover Seal Ring
5	缸筒 Barrel	11	前盖 Front Cover
6	压缩弹簧 Compressed Spring	12	活塞杆 Piston Rod

外形尺寸 Overall Dimension

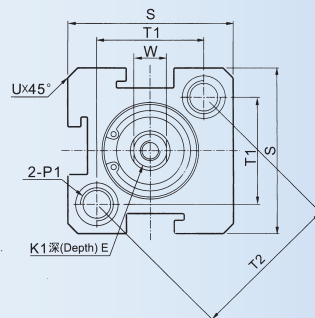
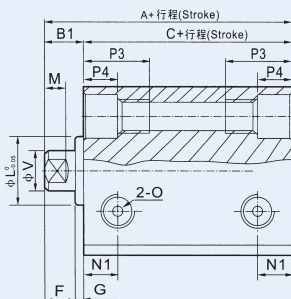


内径 Bore	B2	E	F	G	H	I	J	K2	L	M	V	W
12	17	16	4	1	10	8	4	M5×0.8	10.2	2.8	6	5
16	17.5	16	4	1.5	10	8	4	M5×0.8	11	2.8	6	5
20	20.5	19	4	1.5	13	10	5	M6×1.0	16	2.8	8	6
25	23	21	4	2	15	12	6	M8×1.25	17	2.8	10	8
32	25	22	4	3	15	17	6	M10×1.25	22	2.8	12	10
40	35	32	4	3	25	19	8	M14×1.5	28	2.8	16	14
50	37	33	5	4	25	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	M26×1.5	55	4	32	27

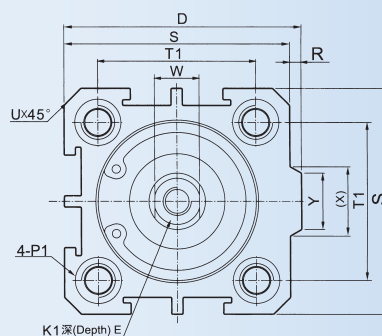
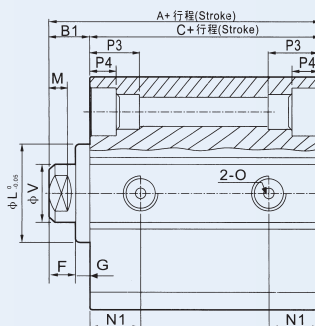
外形尺寸 Overall Dimension

SDA / SDAS 系列 Series

Φ12 ~ Φ16



Φ20 ~ Φ100



尺寸表 Dimension Sheet

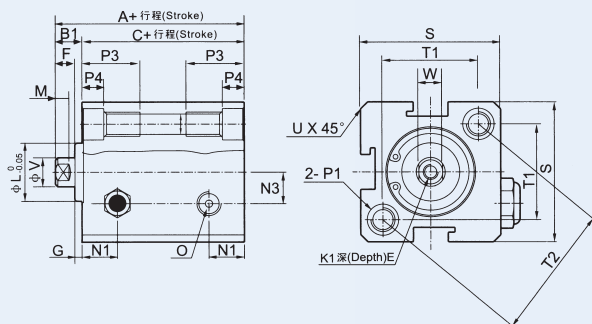
型式 Type	标准型 Standard Type			附磁型 Attach Magnet			D	E		F	G	K1	L	M	N1	N3	O
	A	B1	C	A	B1	C		行程 Stroke ≤ 10	行程 Stroke > 10								
内径 Bore																	
12	22	5	17	32	5	27	—	6		4	1	M3 × 0.5	10.2	2.8	6.3	6	M5 × 0.8
16	24	5.5	18.5	34	5.5	28.5	—	6		4	1.5	M3 × 0.5	11	2.8	7.3	6.5	M5 × 0.8
20	25	5.5	19.5	35	5.5	29.5	36	8		4	1.5	M4 × 0.7	15	2.8	7.5	—	M5 × 0.8
25	27	6	21	37	6	31	42	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		4	3	M6 × 1	22	2.8	9	—	G1/8"
40	33	7	28	43	7	36	58.5	12		4	3	M8 × 1.25	28	2.8	10	—	G1/8"
50	37	9	28	47	9	38	71.5	15		5	4	M10 × 1.5	38	2.8	10.5	—	G1/4"
63	41	9	32	51	9	42	84.5	15		5	4	M10 × 1.5	40	2.8	11.8	—	G1/4"
80	52	11	41	62	11	51	104	15	20	6	5	M14 × 1.5	45	4	14.5	—	G3/8"
100	63	12	51	73	12	61	124	18	20	7	5	M18 × 1.5	55	4	20.5	—	G3/8"

内径 Bore	P1	P3	P4	R	S	T1	T2	U	V	W	X	Y
12	双边(Double Sides): Φ6.5 牙(Thread): M5 × 0.8 通孔(Through Ports): Φ4.2	12	4.5	—	25	16.2	23	1.6	6	5	—	—
16	双边(Double Sides): Φ6.5 牙(Thread): M5 × 0.8 通孔(Through Ports): Φ4.2	12	4.5	—	29	19.8	28	1.6	6	5	—	—
20	双边(Double Sides): Φ6.5 牙(Thread): M5 × 0.8 通孔(Through Ports): Φ4.2	14	4.5	2	34	24	—	2.1	8	6	11.3	10
25	双边(Double Sides): Φ8.2 牙(Thread): M6 × 1.0 通孔(Through Ports): Φ4.6	15	5.5	2	40	28	—	3.1	10	8	12	10
32	双边(Double Sides): Φ8.2 牙(Thread): M6 × 1.0 通孔(Through Ports): Φ4.6	16	5.5	6	44	34	—	2.15	12	10	18.3	15
40	双边(Double Sides): Φ10 牙(Thread): M8 × 1.25 通孔(Through Ports): Φ6.5	20	7.5	6.5	52	40	—	2.25	16	14	21.3	16
50	双边(Double Sides): Φ11 牙(Thread): M8 × 1.25 通孔(Through Ports): Φ6.5	25	8.5	9.5	62	48	—	4.15	20	17	30	20
63	双边(Double Sides): Φ11 牙(Thread): M8 × 1.25 通孔(Through Ports): Φ6.5	25	8.5	9.5	75	60	—	3.15	20	17	28.7	20
80	双边(Double Sides): Φ14 牙(Thread): M12 × 1.75 通孔(Through Ports): Φ9.2	25	10.5	10	94	74	—	3.65	25	22	36	26
100	双边(Double Sides): Φ17.5 牙(Thread): M14 × 2 通孔(Through Ports): Φ11.3	30	13	10	114	90	—	3.65	32	27	35	26

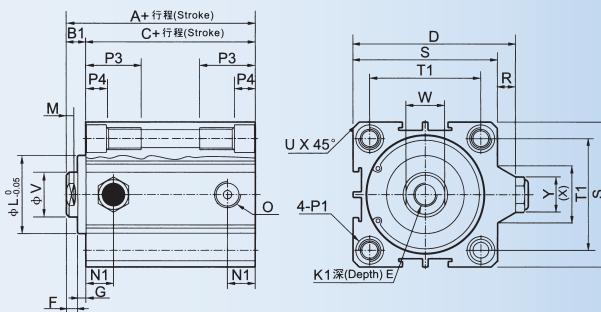
外形尺寸 Overall Dimension

SSA / SSAS 系列 Series

Φ12 ~ Φ16

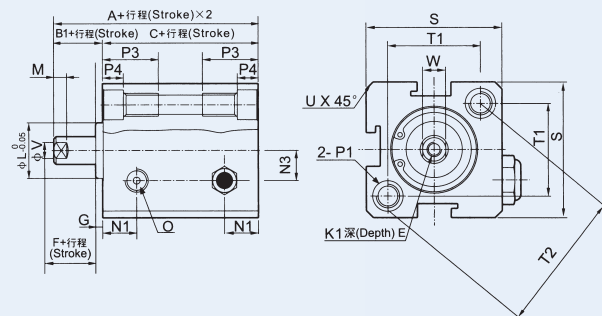


Φ20 ~ Φ40

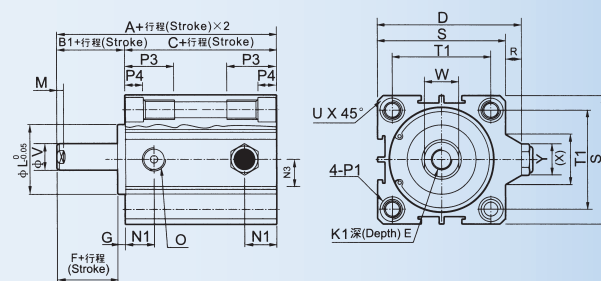


STA / STAS 系列 Series

Φ12 ~ Φ16



Φ20 ~ Φ40



尺寸表 Dimension Sheet

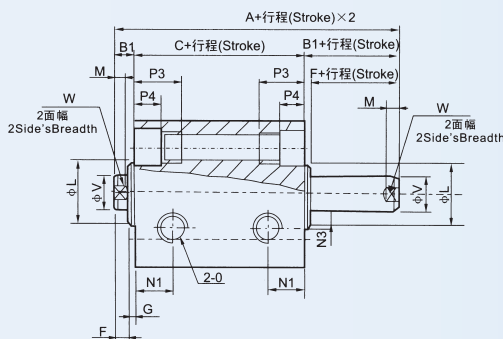
型式 Type	标准型 Standard Type						附磁型 Attach Magnet				D	E	F	G	K1	L	M	N1	N3	O
内径/行程 Bore/Stroke	A		B1	C		A		B1	C											
	≤10	>10		≤10	>10	≤10	>10		≤10	>10										
12	32	42	5	27	37	42	52	5	37	47	—	6	4	1	M3×0.5	10.2	2.8	6.3	6	M5×0.8
16	34	44	5.5	28.5	38.5	44	54	5.5	38.5	48.5	—	6	4	1.5	M3×0.5	11	2.8	7.3	6.5	M5×0.8
20	35	45	5.5	29.5	39.5	45	55	5.5	39.5	49.5	36	8	4	1.5	M4×0.7	16	2.8	7.5	—	M5×0.8
25	37	47	6	34	41	47	57	6	41	51	42	10	4	2	M5×0.8	17	2.8	8	—	M5×0.8
32	41.5	51.5	7	34.5	44.5	51.5	61.5	7	44.5	54.5	50	12	4	3	M6×1	22	2.8	9	—	G1/8"
40	43	53	7	36	46	53	63	7	46	56	58.5	12	4	3	M8×1.25	28	2.8	10	—	G1/8"

内径 Bore	P1										P3	P4	R	S	T1	T2	U	V	W	X	Y
12	双边(Double Sides): Φ6.5 牙(Thread): M5×0.8 通孔(Through Ports): Φ4.2										12	4.5	-	25	16.2	23	1.6	6	5	-	-
16	双边(Double Sides): Φ6.5 牙(Thread): M5×0.8 通孔(Through Ports): Φ4.2										12	4.5	-	29	19.8	28	1.6	6	5	-	-
20	双边(Double Sides): Φ6.5 牙(Thread): M5×0.8 通孔(Through Ports): Φ4.2										14	4.5	2	34	24	-	2.1	8	6	11.3	10
25	双边(Double Sides): Φ8.2 牙(Thread): M6×1.0 通孔(Through Ports): Φ4.6										15	5.5	2	40	28	-	3.1	10	8	12	10
32	双边(Double Sides): Φ8.2 牙(Thread): M6×1.0 通孔(Through Ports): Φ4.6										16	5.5	6	44	34	-	2.15	12	10	18.3	15
40	双边(Double Sides): Φ10 牙(Thread): M8×1.25 通孔(Through Ports): Φ6.5										20	7.5	6.5	52	40	-	2.25	16	14	21.3	16

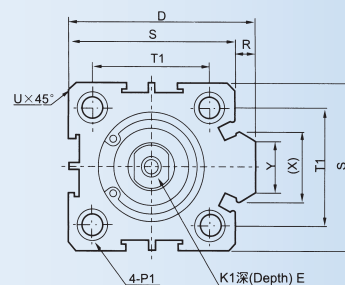
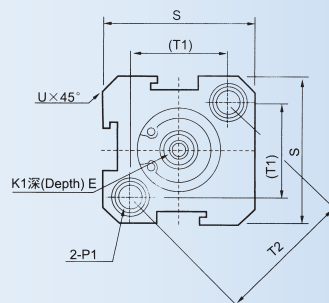
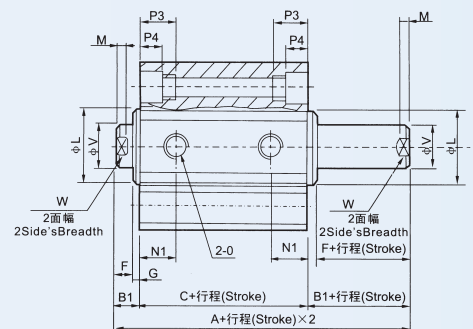
外形尺寸 Overall Dimension

SDAD / SDADS
系列 Series

Φ12 ~ Φ16



Φ20 ~ Φ100



尺寸表 Dimension Sheet

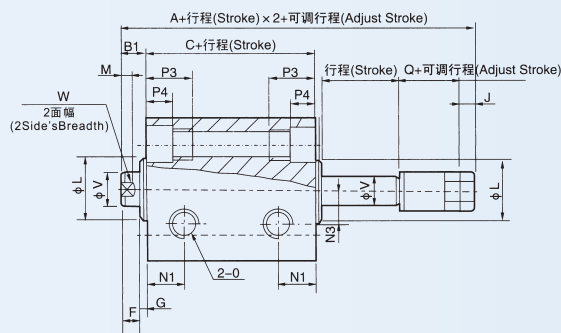
型式 Type	标准型 Standard Type			附磁型 Attach Magnet			D	E		F	G	K1	L	M	N1	N3	O
	A	B1	C	A	B1	C		行程 Stroke ≤ 10	行程 Stroke > 10								
内径 Bore																	
12	27	5	17	37	5	27	-	6		4	1	M3 × 0.5	10.2	2.8	6.3	6	M5 × 0.8
16	29.5	5.5	18.5	39.5	5.5	28.5	-	6		4	1.5	M3 × 0.5	11	2.8	7.3	6.5	M5 × 0.8
20	30.5	5.5	19.5	40.5	5.5	29.5	36	8 [行程Stroke=5时为(itis)6.5]		4	1.5	M4 × 0.7	15	2.8	7.5	-	M5 × 0.8
25	33	6	21	43	6	31	42	10 [行程Stroke=5时为(itis)7]		4	2	M5 × 0.8	17	2.8	8	-	M5 × 0.8
32	38.5	7	24.5	48.5	7	34.5	50	8	12	4	3	M6 × 1	22	2.8	9	-	G1/8"
40	40	7	28	50	7	36	58.5	9	12	4	3	M8 × 1.25	28	2.8	10	-	G1/8"
50	46	9	28	56	9	38	71.5	11	15	5	4	M10 × 1.5	38	2.8	10.5	-	G1/4"
63	50	9	32	60	9	42	84.5	11	15	5	4	M10 × 1.5	40	2.8	11.8	-	G1/4"
80	63	11	41	73	11	51	104	14	20	6	5	M14 × 1.5	45	4	14.5	-	G3/8"
100	75	12	51	85	12	61	124	18	20	7	5	M18 × 1.5	55	4	20.5	-	G3/8"

内径 Bore	P1							P3	P4	R	S	T1	T2	U	V	W	X	Y
12	双边(Double Sides): Φ6.5 牙(Thread): M5 × 0.8 通孔(Through Ports): Φ4.2							12	4.5	-	25	16.2	23	1.6	6	5	-	-
16	双边(Double Sides): Φ6.5 牙(Thread): M5 × 0.8 通孔(Through Ports): Φ4.2							12	4.5	-	29	19.8	28	1.6	6	5	-	-
20	双边(Double Sides): Φ6.5 牙(Thread): M5 × 0.8 通孔(Through Ports): Φ4.2							14	4.5	2	34	24	-	2.1	8	6	11.3	10
25	双边(Double Sides): Φ8.2 牙(Thread): M6 × 1.0 通孔(Through Ports): Φ4.6							15	5.5	2	40	28	-	3.1	10	8	12	10
32	双边(Double Sides): Φ8.2 牙(Thread): M6 × 1.0 通孔(Through Ports): Φ4.6							16	5.5	6	44	34	-	2.15	12	10	18.3	15
40	双边(Double Sides): Φ10 牙(Thread): M8 × 1.25 通孔(Through Ports): Φ6.5							20	7.5	6.5	52	40	-	2.25	16	14	21.3	16
50	双边(Double Sides): Φ11 牙(Thread): M8 × 1.25 通孔(Through Ports): Φ6.5							25	8.5	9.5	62	48	-	4.15	20	17	30	20
63	双边(Double Sides): Φ11 牙(Thread): M8 × 1.25 通孔(Through Ports): Φ6.5							25	8.5	9.5	75	60	-	3.15	20	17	28.7	20
80	双边(Double Sides): Φ14 牙(Thread): M12 × 1.75 通孔(Through Ports): Φ9.2							25	10.5	10	94	74	-	3.65	25	22	36	26
100	双边(Double Sides): Φ17.5 牙(Thread): M14 × 2 通孔(Through Ports): Φ11.3							30	13	10	114	90	-	3.65	32	27	35	26

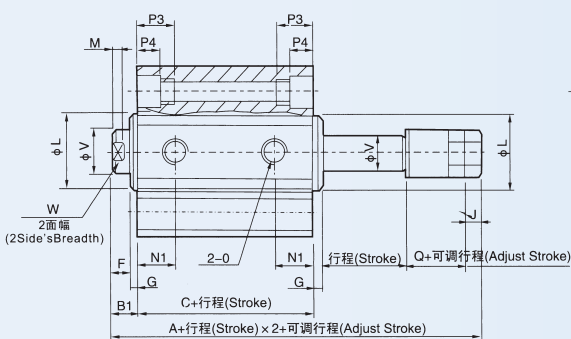
外形尺寸 Overall Dimension

SDAJ / SDAJS
系列 Series

Φ12 ~ Φ16



Φ20 ~ Φ100



尺寸表 Dimension Sheet

型式 Type	标准型 Standard Type			附磁型 Attach Magnet			D	E		F	G	K1	L	M	N1	N3	O
	A	B1	C	A	B1	C		行程 Stroke ≤ 10	行程 Stroke > 10								
内径 Bore	A	B1	C	A	B1	C	D	行程 Stroke ≤ 10	行程 Stroke > 10	F	G	K1	L	M	N1	N3	O
12	22	5	17	32	5	27	—	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	—	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	—	4	1.5	M4 × 0.7	15	2.8	7.5	—	M5 × 0.8
25	27	6	21	37	6	31	42	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	—	4	3	M6 × 1	22	2.8	9	—	G1/8"
40	33	7	26	43	7	36	58.5	12	—	4	3	M8 × 1.25	28	2.8	10	—	G1/8"
50	37	9	28	47	9	38	71.5	15	—	5	4	M10 × 1.5	38	2.8	10.5	—	G1/4"
63	41	9	32	51	9	42	84.5	15	—	5	4	M10 × 1.5	40	2.8	11.8	—	G1/4"
80	52	11	41	62	11	51	104	15	20	6	5	M14 × 1.5	45	4	14.5	—	G3/8"
100	63	12	51	73	12	61	124	18	20	7	5	M18 × 1.5	55	4	20.5	—	G3/8"

内径 Bore	P1						P3	P4	R	S	T1	T2	U	V	W	X	Y
12	双边(Double Sides): Φ6.5 牙(Thread): M5 × 0.8 通孔(Through Ports): Φ4.2						12	4.5	—	25	16.2	23	1.6	6	5	—	—
16	双边(Double Sides): Φ6.5 牙(Thread): M5 × 0.8 通孔(Through Ports): Φ4.2						12	4.5	—	29	19.8	28	1.6	6	5	—	—
20	双边(Double Sides): Φ6.5 牙(Thread): M5 × 0.8 通孔(Through Ports): Φ4.2						14	4.5	2	34	24	—	2.1	8	6	11.3	10
25	双边(Double Sides): Φ6.5 牙(Thread): M6 × 1.0 通孔(Through Ports): Φ4.6						15	5.5	2	40	28	—	3.1	10	8	12	10
32	双边(Double Sides): Φ6.5 牙(Thread): M6 × 1.0 通孔(Through Ports): Φ4.6						16	5.5	6	44	34	—	2.15	12	10	18.3	15
40	双边(Double Sides): Φ6.5 牙(Thread): M8 × 1.25 通孔(Through Ports): Φ6.5						20	7.5	6.5	52	40	—	2.25	16	14	21.3	16
50	双边(Double Sides): Φ6.5 牙(Thread): M8 × 1.25 通孔(Through Ports): Φ6.5						25	8.5	9.5	62	48	—	4.15	20	17	30	20
63	双边(Double Sides): Φ6.5 牙(Thread): M8 × 1.25 通孔(Through Ports): Φ6.5						25	8.5	9.5	75	60	—	3.15	20	17	28.7	20
80	双边(Double Sides): Φ6.5 牙(Thread): M12 × 1.75 通孔(Through Ports): Φ9.2						25	10.5	10	94	74	—	3.65	25	22	36	26
100	双边(Double Sides): Φ6.5 牙(Thread): M12 × 1.75 通孔(Through Ports): Φ11.3						30	13	10	114	90	—	3.65	32	27	35	26