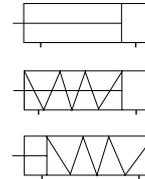


## 薄型气缸 Compact Air Cylinder Series SDA (Ø12~Ø100)



### 规格 Specifications

缸径 Bore size (mm)		12	16	20	25	32	40	50	63	80	100
接管口径 Port size Rc(PT)		M5x0.8			1/8		1/4		3/8		
使用流体 Fluid		过滤压缩空气 Filtered compressed air									
动作形式 Action	SSA, STA	单动 Single acting									-
	SDA, SDAD, SDAJ	双动 Double acting									
保证耐压力 Proof pressure (MPa)		1.5									
使用压力范围 Operating pressure range (MPa)	双动 Double acting	0.15~1.0									
	单动 Single acting	0.2~1.0									
环境及流体温度 Ambient and fluid temperature		-5~60°C (未冻结 No freezing)									
活塞速度 Piston speed	双动 Double acting	30~500 mm/s									
	单动 Single acting	50~500 mm/s									
缓冲 Cushion		橡胶缓冲 Rubber bumper									
行程公差 Stroke tolerance (mm)		+1.0 0									
* 润滑 Lubrication		不需要 Not required									

\* 如需要润滑请使用透平 1 号油 ISOVG32。Please use Turbine oil 1st Grade ISOVG32 if necessary.

### 行程 / 磁性开关 Stroke/ Auto switch

缸径 Bore size (mm)		标准行程 Standard stroke (mm)			*1) 最大行程 Maximum stroke (mm)	*2) 容许行程 Permissible stroke (mm)	磁性开关 / 轨道安装 Auto switch/ Rail mounting
		双动 Double acting	单动 Single acting	双动 Double acting	双动 Double acting		
12, 16	带磁环 Built-in magnet	5, 10, 15, 20, 25, 30, 35, 40, 45, 50	5, 10, 15, 20, 25, 30	50	70	KT-11R	
	不带磁环 W/o magnet	5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60		60	80		
20	带磁环 Built-in magnet	5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90		90	130		
	不带磁环 W/o magnet	5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 100		100	140		
25, 32, 40, 50, 63	带磁环 Built-in magnet	5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 100, 110, 120		120	150		
	不带磁环 W/o magnet	5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 100, 110, 120, 130		130	160		
80, 100	带磁环 Built-in magnet	5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 100, 110, 120		120	150		
	不带磁环 W/o magnet	5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 100, 110, 120, 130		130	160		

\*1) 中间行程 =1~(最大行程 -1)，最小间隔为 1mm，通过在比中间行程长的标准行程缸筒内安装隔板的方式实现。

Middle stroke=1~(Max. stroke-1) with minimum interval 1 mm, implemented by using spacer in barrel of standard stroke.

\*2) 行程介于最大行程和容许行程之间作非标件处理。Stroke between maximum stroke and permissible stroke is processed as nonstandard order.

### 型号表示方法 How to Order

型号 Model

SDA 20 - 30 - 20 - 10 S B

缸径 Bore size (mm)

行程 Stroke (mm)

行程 2 Stroke 2 (mm) (SDAT, SDAW)

可调行程 Adjustable stroke (SDAJ)

杆端螺纹形式 Rod end thread type

磁环 Magnet

SDA	双动 Double acting
SSA	单动 (弹簧压回) Single acting (Spring return)
STA	单动 (弹簧压出) Single acting (Spring extend)
SDAD	双活塞杆 Double rod
SDAJ	双活塞杆可调行程 Double rod with adjustable stroke
SDAT	双行程 / 单杆 Dual stroke/ Single rod
SDAW	双行程 / 双杆 Dual stroke/ Double rod

-	内螺纹 Female
B	外螺纹 Male

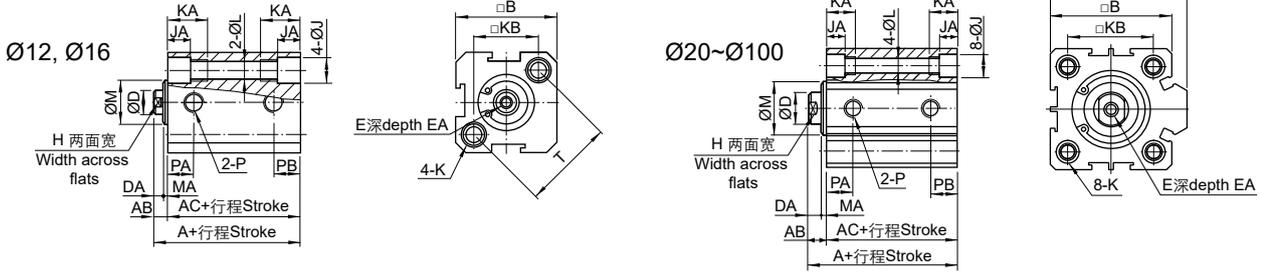
-	无 None
S	内置磁环 Built-in magnet

10	10 mm
20	20 mm
30	30 mm
40	40 mm
50	50 mm
75	75 mm
100	100 mm

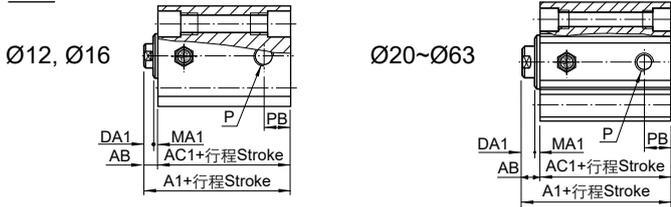
# 薄型气缸 Compact Air Cylinder Series SDA

## 外形尺寸图 Dimensions (mm)

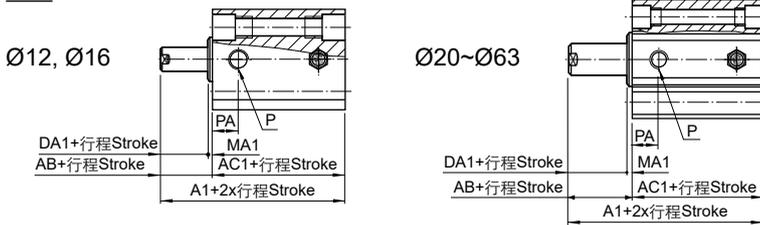
### SDA



### SSA

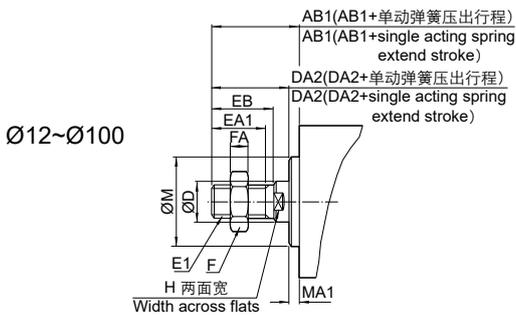


### SST



缸径 Bore size	*A1 (-)		*A1 (-S)		*AC1 (-)		*AC1 (-S)		DA1	MA1
	ST ≤ 10	ST > 10	ST ≤ 10	ST > 10	ST ≤ 10	ST > 10	ST ≤ 10	ST > 10		
12	32	42	42	52	27	37	37	47	4	1
16	34	44	44	54	28.5	38.5	38.5	48.5	4	1.5
20	35	45	45	55	29.5	39.5	39.5	49.5	4	1.5
25	37	47	47	57	31	41	41	51	4	2
32	41.5	51.5	51.5	61.5	34.5	44.5	44.5	54.5	4	2.4
40	43	53	53	63	36	46	46	56	4	3
50	47	57	57	67	38	48	48	58	5	4
63	51	61	61	71	42	52	52	62	5	4

### 杆端外螺纹 Rod End Male Thread



*	
-	不带磁环 W/o magnet ring
-S	带磁环 Built-in magnet ring

缸径 Bore size	AB1	DA2	E1	EA1	EB	F	FA	MA1	
								SDAD	其他
12	17	16	M5x0.8	10	12	8	4	1	1
16	17.5	16	M5x0.8	10	12	8	4	1.5	1.5
20	20.5	19	M6x1.0	13	15	10	5	1.5	1.5
25	23	21	M8x1.25	15	17	12	6	2	2
32	25	22	M10x1.25	15	18	17	6	3	2.5
40	35	32	M14x1.5	25	28	19	8	3	3
50	37	33	M18x1.5	25	28	27	11	4	4
63	37	33	M18x1.5	25	28	27	11	4	4
80	44	39	M22x1.5	30	33	32	13	5	5
100	50	45	M26x1.5	35	38	36	13	5	5

缸径 Bore size	*A		*AC		B	BA	D	DA	E	EA	H	J	JA	K	KA	KB	L	M	MA	P	PA		PB		T	
	-	-S	-	-S																	ST =5	ST >5	ST =5	ST >5		
12	22	32	5	17	27	25	-	6	4	M3x0.5	6	5	6.5	4.5	M5x0.8	12	16.2	4.2	10.2	1	M5x0.8	7.5	7.5	5	5	23
16	24	34	5.5	18.5	28.5	29	-	6	4	M3x0.5	6	5	6.5	4.5	M5x0.8	12	19.8	4.2	11	1.5	M5x0.8	8	8	5.5	5.5	28
20	25	35	5.5	19.5	29.5	34	36	8	4	M4x0.7	8	6	6.5	4.5	M5x0.8	14	24	4.2	13	1.5	M5x0.8	9	9	5.5	5.5	-
25	27	37	6	21	31	40	42	10	4	M5x0.8	10	8	8.2	5.5	M6x1.0	15	28	4.6	17	2	M5x0.8	9	9	5.5	5.5	-
32	31.5	41.5	7	24.5	34.5	44	50	12	4.5	M6x1.0	12	10	8.2	5.5	M6x1.0	16	34	4.6	22	2.5	1/8	9	9	6.5	9	-
40	33	43	7	26	36	52	58.5	16	4	M8x1.25	12	14	10	7.5	M8x1.25	20	40	6.5	28	3	1/8	9.5	9.5	7.5	7.5	-
50	37	47	9	28	38	62	71.5	20	5	M10x1.5	15	17	11	8.5	M8x1.25	25	48	6.5	38	4	1/4	8	10.5	8	10.5	-
63	41	51	9	32	42	75	84.5	20	5	M10x1.5	15	17	11	8.5	M8x1.25	25	60	6.5	40	4	1/4	9.5	12	9.5	11	-
80	52	62	11	41	51	94	104	25	6	M14x1.5	20	22	14	10.5	M12x1.75	25	74	9.2	45	5	3/8	11.5	14.5	11.5	14.5	-
100	63	73	12	51	61	114	124	32	7	M18x1.5	20	27	17.5	13	M14x2.0	30	90	11.3	55	5	3/8	16	20.5	16	20.5	-

# 薄型气缸

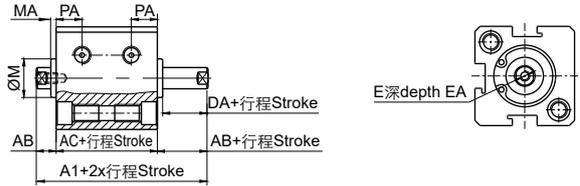
## Compact Air Cylinder

### Series SDA

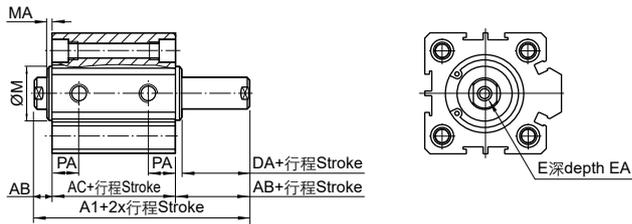
#### 外形尺寸图 Dimensions (mm)

##### SDAD

Ø12, Ø16

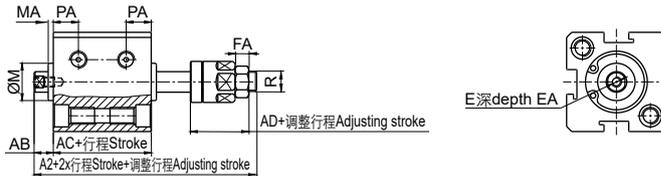


Ø20~Ø100

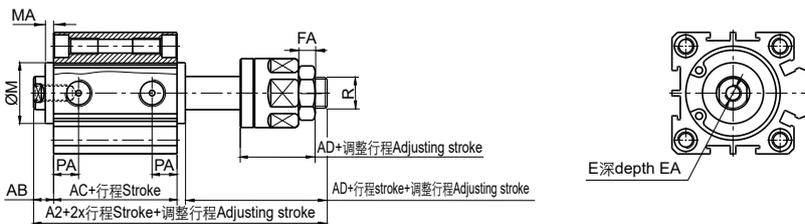


##### SDAJ

Ø12, Ø16



Ø20~Ø100



缸径 Bore size	*A1		*A2		AB	*AC		AD	DA	E	EA		FA	M	MA	PA		R
	-	-S	-	-S		-	-S				ST ≤ 10	ST > 10				ST =5	ST >5	
12	27	37	40	50	5	17	27	17	4	M3x0.5	6		4	10.2	1	5.5	6.3	M5x0.8
16	29.5	39.5	42.5	52.5	5.5	18.5	28.5	17	4	M3x0.5	6		4	11	1.5	6.5	7.3	M5x0.8
20	30.5	40.5	47.5	57.5	5.5	19.5	29.5	21	4	M4x0.7	8 (6.5 (ST=5))		5	13	1.5	7.5	7.5	M6x1.0
25	33	43	54	64	6	21	31	25	4	M5x0.8	10 (7 (ST=5))		6	17	2	8	8	M8x1.25
32	38.5	48.5	61.5	71.5	7	24.5	34.5	27	4	M6x1.0	8	12	6	22	3	8	9	M10x1.25
40	40	50	64	74	7	26	36	28	4	M8x1.25	8	12	7	28	3	8	10	M12x1.25
50	46	56	70	80	9	28	38	29	5	M10x1.5	8	15	8	38	4	8	10.5	M16x1.5
63	50	60	74	84	9	32	42	29	5	M10x1.5	10	15	8	40	4	9.5	11.8	M16x1.5
80	63	73	92.5	102.5	11	41	51	35.5	6	M14x1.5	13	20	10	45	5	11.5	14.5	M20x1.5
100	75	85	110.5	120.5	12	51	61	42.5	7	M18x1.5	18	20	13.5	55	5	16	20.5	M27x2.0

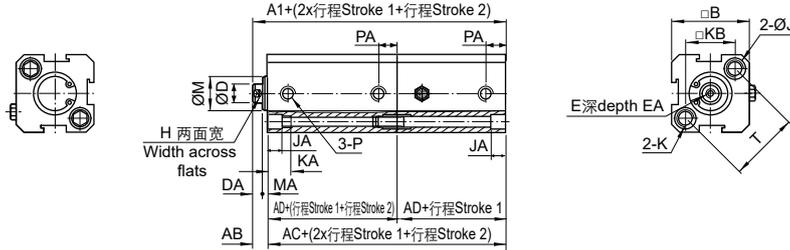
\*  
- 不带磁环 W/o magnet ring  
-S 带磁环 Built-in magnet ring

# 薄型气缸 Compact Air Cylinder Series SDA

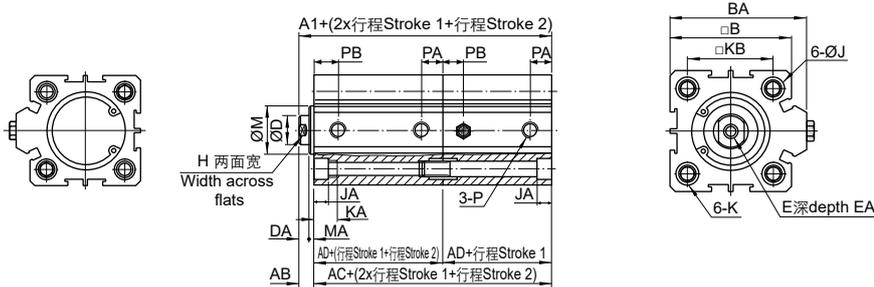
## 外形尺寸图 Dimensions (mm)

### SDAT

Ø12, Ø16

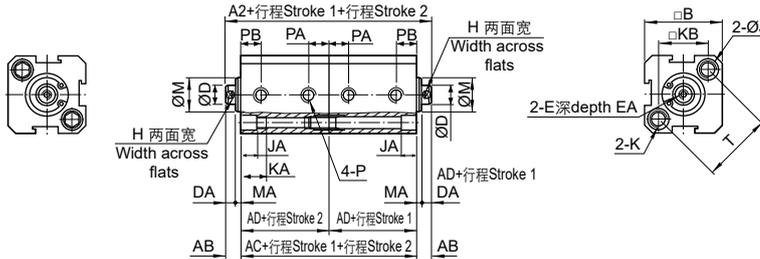


Ø20~Ø100

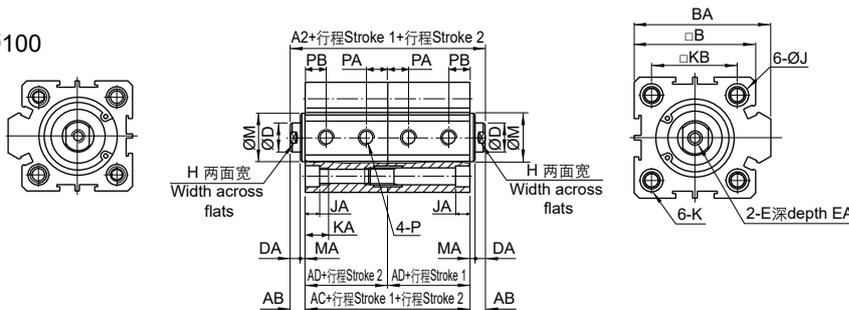


### SDAW

Ø12, Ø16



Ø20~Ø100



缸径 Bore size	P	PA		PB	
		ST =5	ST >5	ST =5	ST >5
12	M5x0.8	5	5	7.5	7.5
16	M5x0.8	5.5	5.5	8	8
20	M5x0.8	5.5	5.5	9	9
25	M5x0.8	5.5	5.5	9	9
32	1/8	6.5	9	9	9
40	1/8	7.5	7.5	9.5	9.5
50	1/4	8	10.5	8	10.5
63	1/4	9.5	11	9.5	12
80	3/8	11.5	14.5	11.5	14.5
100	3/8	16	20.5	16	20.5

\*

- 不带磁环 W/o magnet ring
- S 带磁环 Built-in magnet ring

缸径 Bore size	*A1		*A2		AB	*AC		*AD		B	BA	D	DA	E	EA	H	J	JA	K				KA	KB	M	MA
	-	-S	-	-S		-	-S	-	-S																	
12	39	59	44	64	5	34	54	17	27	25	-	6	4	M3x0.5	6	5	6.5	4.5	M5x0.8, Ø4.2 通孔 through				12	16.2	10.2	1
16	42.5	62.5	48	68	5.5	37	57	18.5	28.5	29	-	6	4	M3x0.5	6	5	6.5	4.5	M5x0.8, Ø4.2 通孔 through				12	19.8	11	1.5
20	44.5	64.5	50	70	5.5	39	59	19.5	29.5	34	36	8	4	M4x0.7	8	6	6.5	4.5	M5x0.8, Ø4.2 通孔 through				14	24	13	1.5
25	48	68	54	74	6	42	62	21	31	40	42	10	4	M5x0.8	10	8	8.2	5.5	M6x1.0, Ø4.6 通孔 through				15	28	17	2
32	56	76	63	83	7	49	69	24.5	34.5	44	50	12	4	M6x1.0	12	10	8.2	5.5	M6x1.0, Ø4.6 通孔 through				16	34	22	2.5
40	59	79	66	86	7	52	72	26	36	52	58.5	16	4	M8x1.25	12	14	10	7.5	M8x1.25, Ø6.5 通孔 through				20	40	28	3
50	65	85	74	94	9	56	76	28	38	62	71.5	20	5	M10x1.5	15	17	11	8.5	M8x1.25, Ø6.5 通孔 through				25	48	38	4
63	73	93	82	102	9	64	84	32	42	75	84.5	20	5	M10x1.5	15	17	11	8.5	M8x1.25, Ø6.5 通孔 through				25	60	40	4
80	93	113	104	124	11	82	102	41	51	94	104	25	6	M14x1.5	20	22	14	10.5	M12x1.75, Ø9.2 通孔 through				25	74	45	5
100	114	134	126	146	12	102	122	51	61	114	124	32	7	M18x1.5	20	27	17.5	13	M14x2.0, Ø11.3 通孔 through				30	90	55	5