

# Compact Cylinder



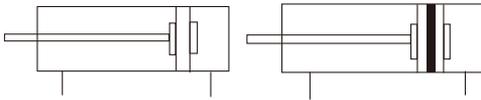
## Characteristics

- ◆ On condition of preserving the motive accuracy and product's viability, its full length is only 1/2~1/3 of the ordinary cylinders.
- ◆ It uses the embedded mounting method and fulfills the requirement of space-saving with no need for any fittings.
- ◆ It utilizes the easy assemble means for its design which is convenient for the assembles, removal, repair and maintenance.
- ◆ It leaves in advance an assembly slot in the cylindrical ex-circle in order to make it extremely simple for installing, adjusting the position of the reed switch.

## Product Code System



## Symbol



## Example

▲For order of the double acting compact cylinder which the inner diameter is 50mm , the stroke is 30mm ,the magnetic ring is attached to , the piston rod has external screw thread, the correct order code is : ESDAS - 50 x 30 - B

## Specification

缸径/ Inner Diameter (mm)	12	16	20	25	32	40	50	63	80	100
动作型式/ Action	双作用型/ Double Acting									
工作介质/ Fluid	经过滤的压缩空气/ The constrigent after filtered									
使用压力范围/ Range of Working Pressure MPa	0.05~0.9									
保证耐压力/ Proof Press MPa	1.35									
使用温度范围/ Operating Temp °C	-5~70									
使用速度范围/ Piston Speed mm/s	30~500						30~350		30~250	
缓冲型式/ Cushion	固定式缓冲/ Fixing Cushion									
接管螺纹/ Port Thread	M5 x 0.8				G1/8		G1/4		G3/8	

## Cylinder Stroke

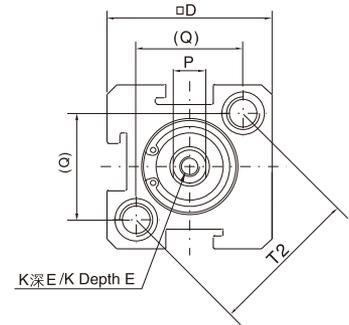
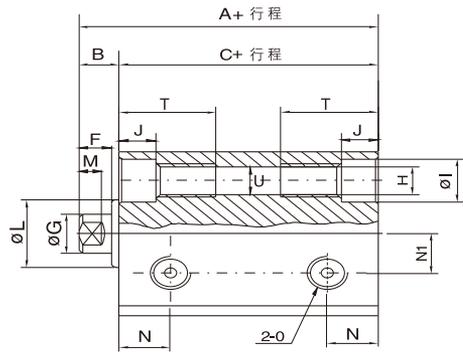
缸径/ Inner Diameter (mm)		12	16	20	25		32	40	50	63	80	100
双作用型 Double Acting	无磁环 Without magnetic ring	5~60mm 每5mm一级 5mm for each grade	5~85mm 每5mm一级 5mm for each grade	5~90mm 每5mm一级 5mm for each grade	10~110mm 每10mm一级 10mm for each grade	5~90mm 每5mm一级 5mm for each grade	100~130mm 每10mm一级 10mm for each grade					
	带磁环 With magnetic ring	5~50mm 每5mm一级 5mm for each grade	5~75mm 每5mm一级 5mm for each grade	5~90mm 每5mm一级 5mm for each grade	10~110mm 每10mm一级 10mm for each grade	5~90mm 每5mm一级 5mm for each grade	100~120mm 每10mm一级 10mm for each grade					
最大行程/ Maximum Stroke		60mm	100mm	120mm		130mm						

※Please contact us if you want special stroke cylinder

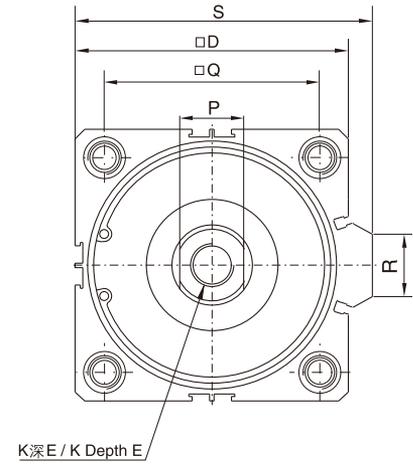
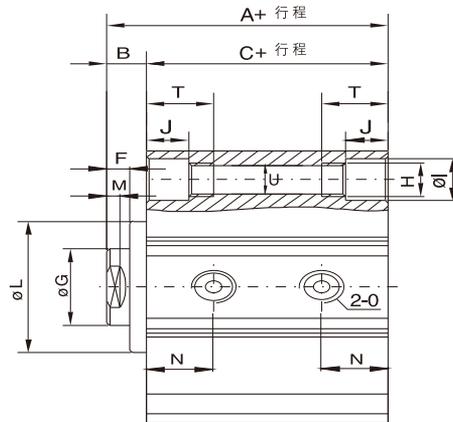
## Dimensions

### ESDA

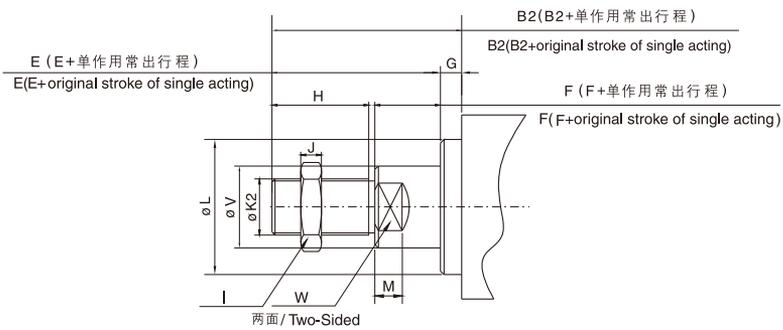
ø12~ø16



ø20~ø100



### External Thread



## ESDA

型式/ Type 缸径 Inner Dia.	不带磁环/ Without Magnetic Ring			带磁环/ With Magnetic Ring			D	E		F	O	H	U	
	符号 Code	A	B	C	A	B		C	行程<10 Store<10					行程>10 Store>10
12		22	5	17	32	5	27	25	6	6	4	M5×0.8	M5×0.8	4.2
16		24	5.5	18.5	34	5.5	28.5	29	6	6	4	M5×0.8	M5×0.8	4.2
20		25	5.5	19.5	35	5.5	29.5	34	7	8	4	M5×0.8	M5×0.8	4.2
25		27	6	21	37	6	31	40	7	10	4	M5×0.8	M6×1	4.6
32		31.5	7	24.5	41.5	7	34.5	44	9	12	4	G1/8	M6×1	4.6
40		33	7	26	43	7	36	52	8	12	4	G1/8	M8×1.25	6.5
50		37	9	28	47	9	38	62	11	15	5	G1/4	M8×1.25	6.5
63		41	9	32	51	9	42	75	9.5	15	5	G1/4	M8×1.25	6.5
80		52	11	41	62	11	51	94	14	23	6	G3/8	M12×1.75	9.2
100		63	12	51	73	12	61	114	19	23	7	G3/8	M14×2	11.3

缸径 Inner Dia.	符号 Code	I	J	K	L	M	N	G	P	Q	R	S	T	T2	N1
12		6.5	4.5	M3×0.5	10.2	2.8	6.3	6	5	16.2	-	-	12	23	6
16		6.5	4.5	M3×0.5	11	2.8	7.3	6	5	19.8	-	-	12	28	6.5
20		6.5	4.5	M4×0.7	15	2.8	7.5	8	6	24	10	36	14	-	-
25		8.2	5.5	M5×0.8	17	2.8	8	10	8	28	10	42	15	-	-
32		8.2	5.5	M6×1	22	2.8	9	12	10	34	15	50	16	-	-
40		10	7.5	M8×1.25	28	2.8	10	16	14	40	16	58.5	20	-	-
50		11	8.5	M10×1.5	38	2.8	10.5	20	17	48	20	71.5	25	-	-
63		11	8.5	M10×1.5	40	2.8	11.8	20	17	60	20	84.5	25	-	-
80		14	10.5	M14×1.5	45	4	14.5	25	22	74	26	104	25	-	-
100		17.5	13	M18×1.5	55	4	18	25	22	90	26	124	30	-	-

## External Thread

缸径 Inner Dia.	符号 Code	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	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	22