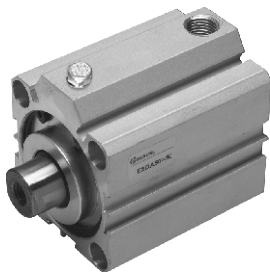


## ESSA 薄型气缸(预缩型)



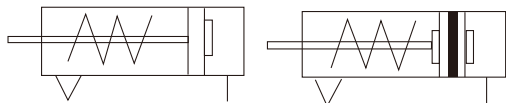
### 产品特点

- ◆在保持既有动作精度及产品使用寿命下，其全长仅为一般气缸的1/2~1/3。
- ◆使用埋入式的安装方式，不需要任何配件达到节省空间的要求。
- ◆采用简易的组装方式进行设计，方便装拆及维修。
- ◆在本体外围预留装配槽，使磁性开关在安装固定及位置调整时，均极简单。

### 型号命名



### 符号



### 举例

▲欲订购缸径为32mm，行程为20mm，带磁环，活塞杆牙型为外牙型式的单作用预缩型薄型气缸，其正确的订购码代号为：ESSAS - 32 x 20 - B

### 技术参数

| 缸径/ Inner Diameter (mm)               | 12                                       | 16 | 20 | 25 | 32   | 40 |
|---------------------------------------|------------------------------------------|----|----|----|------|----|
| 动作型式/ Action                          | 单作用预缩型/ Single Acting Pre-Retracted-Out  |    |    |    |      |    |
| 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 | 0.2~0.9                                  |    |    |    |      |    |
| 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            | 100~500                                  |    |    |    |      |    |
| 缓冲型式/ Cushion                         | 固定式缓冲/ Fixing Cushion                    |    |    |    |      |    |
| 接管螺纹 / Port Thread                    | M5×0.8                                   |    |    |    | G1/8 |    |

### 气缸行程

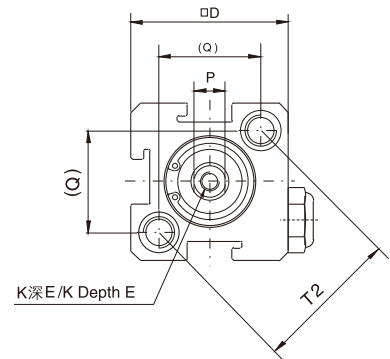
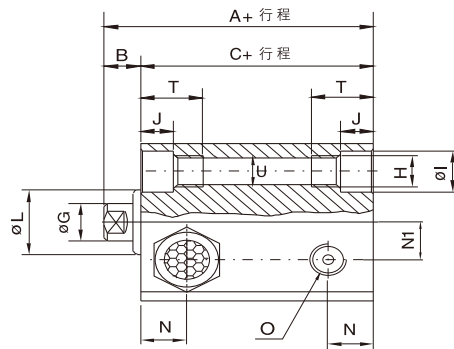
| 缸径 / Inner Diameter (mm) | 12                           | 16   | 20                                     | 25                                     | 32                                     | 40                                     |
|--------------------------|------------------------------|------|----------------------------------------|----------------------------------------|----------------------------------------|----------------------------------------|
| 单作用型<br>Single Acting    | 无磁环<br>Without magnetic ring |      | 5~30mm<br>每5mm一级<br>5mm for each grade | 5~30mm<br>每5mm一级<br>5mm for each grade | 5~30mm<br>每5mm一级<br>5mm for each grade | 5~30mm<br>每5mm一级<br>5mm for each grade |
|                          | 带磁环<br>With magnetic ring    |      | 5~30mm<br>每5mm一级<br>5mm for each grade | 5~30mm<br>每5mm一级<br>5mm for each grade | 5~30mm<br>每5mm一级<br>5mm for each grade | 5~30mm<br>每5mm一级<br>5mm for each grade |
| 最大行程/ Maximum Stroke     |                              | 30mm | 30mm                                   | 30mm                                   | 30mm                                   | 30mm                                   |

※特殊行程请与本公司联系

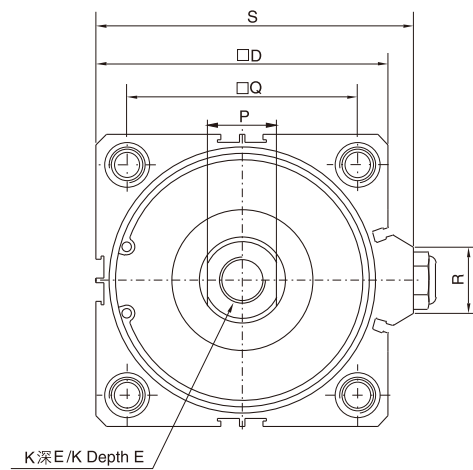
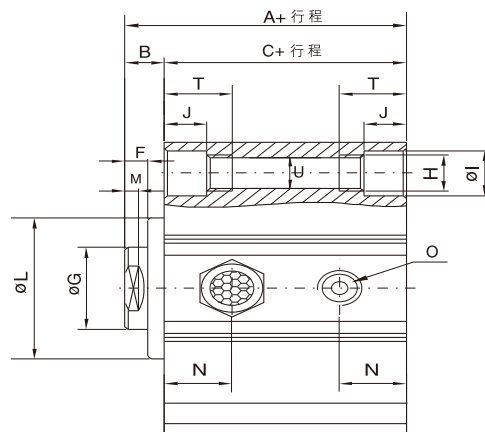
## 外形与安装尺寸

### ESSA

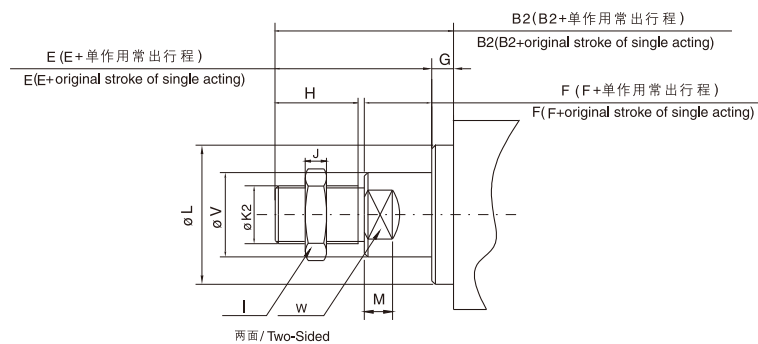
ø12~ø16



ø20~ø40



### 外螺纹



■ **ESSA**

| 型式/ Type         |            | 不带磁环/ Without Magnetic Ring |      |      |      |      | 带磁环/ With Magnetic Ring |      |      |      |      | O    | H      | D       | U  |      |
|------------------|------------|-----------------------------|------|------|------|------|-------------------------|------|------|------|------|------|--------|---------|----|------|
| 缸径<br>Inner Dia. | 符号<br>Code | A                           |      | B    | C    |      | A                       |      | B    | C    |      |      |        |         |    |      |
|                  |            | 行程/ Stroke                  | ≤10  |      | > 10 | ≤10  | > 10                    | ≤10  |      | > 10 | ≤10  |      |        |         |    | > 10 |
|                  |            | 12                          | 32   | 42   | 5    | 27   | 37                      | 42   | 52   | 5    | 37   | 47   | M5×0.8 | M5×0.8  | 25 | 4.2  |
|                  |            | 16                          | 34   | 44   | 5.5  | 28.5 | 38.5                    | 44   | 54   | 5.5  | 38.5 | 48.5 | M5×0.8 | M5×0.8  | 29 | 4.2  |
|                  |            | 20                          | 35   | 45   | 5.5  | 29.5 | 39.5                    | 45   | 55   | 5.5  | 39.5 | 49.5 | M5×0.8 | M5×0.8  | 34 | 4.2  |
|                  |            | 25                          | 37   | 47   | 6    | 31   | 41                      | 47   | 57   | 6    | 41   | 51   | M5×0.8 | M6×1    | 40 | 4.6  |
|                  |            | 32                          | 41.5 | 51.5 | 7    | 34.5 | 44.5                    | 51.5 | 61.5 | 7    | 44.5 | 54.5 | G1/8   | M6×1    | 44 | 4.6  |
|                  |            | 40                          | 43   | 53   | 7    | 36   | 46                      | 53   | 63   | 7    | 46   | 56   | G1/8   | M8×1.25 | 52 | 6.5  |

| 缸径<br>Inner Dia. | 符号<br>Code | E  | K       | F | G  | I   | J   | L    | M   | N   | P  | Q    | R  | S    | T2 | N1  | T  |
|------------------|------------|----|---------|---|----|-----|-----|------|-----|-----|----|------|----|------|----|-----|----|
| 12               |            | 6  | M3×0.5  | 4 | 6  | 6.5 | 4.5 | 10.2 | 2.8 | 6.3 | 5  | 16.2 | —  | —    | 23 | 6   | 12 |
| 16               |            | 6  | M3×0.5  | 4 | 6  | 6.5 | 4.5 | 11   | 2.8 | 7.3 | 5  | 19.8 | —  | —    | 28 | 6.5 | 12 |
| 20               |            | 8  | M4×0.7  | 4 | 8  | 6.5 | 4.5 | 15   | 2.8 | 7.5 | 6  | 24   | 10 | 36   | —  | —   | 14 |
| 25               |            | 10 | M5×0.8  | 4 | 10 | 8.2 | 5.5 | 17   | 2.8 | 8   | 8  | 28   | 10 | 42   | —  | —   | 15 |
| 32               |            | 12 | M6×1    | 4 | 12 | 8.2 | 5.5 | 22   | 2.8 | 9   | 10 | 34   | 15 | 50   | —  | —   | 16 |
| 40               |            | 12 | M8×1.25 | 4 | 16 | 10  | 7.5 | 28   | 2.8 | 10  | 14 | 40   | 16 | 58.5 | —  | —   | 20 |

■ **外螺纹**

| 缸径<br>Inner Dia. | 符号<br>Code | B2   | E  | F | G   | H  | I  | J | K2       | L    | M   | V  | W  | EE |
|------------------|------------|------|----|---|-----|----|----|---|----------|------|-----|----|----|----|
| 12               |            | 17   | 16 | 4 | 1   | 10 | 8  | 4 | M5×0.8   | 10.2 | 2.8 | 6  | 5  | 16 |
| 16               |            | 17.5 | 16 | 4 | 1.5 | 10 | 8  | 4 | M5×0.8   | 11   | 2.8 | 6  | 5  | 16 |
| 20               |            | 20.5 | 19 | 4 | 1.5 | 13 | 10 | 5 | M6×1.0   | 15   | 2.8 | 8  | 6  | 19 |
| 25               |            | 23   | 21 | 4 | 2   | 15 | 12 | 6 | M8×1.25  | 17   | 2.8 | 10 | 8  | 21 |
| 32               |            | 25   | 22 | 4 | 3   | 15 | 17 | 6 | M10×1.25 | 22   | 2.8 | 12 | 10 | 22 |
| 40               |            | 35   | 32 | 4 | 3   | 25 | 19 | 8 | M14×1.5  | 28   | 2.8 | 16 | 14 | 32 |