



# 垫圈/轴环/垫片

## 金属轴环 普通级 尺寸自由指定型



型号 ① 代码 — ② V — ③ D — ④ L  
ECCLB — V10.5 — D19.5 — L50.5

■ 请按步骤①~④选择型号和参数后进行订购。



型号区分: 7 天发货  
代码

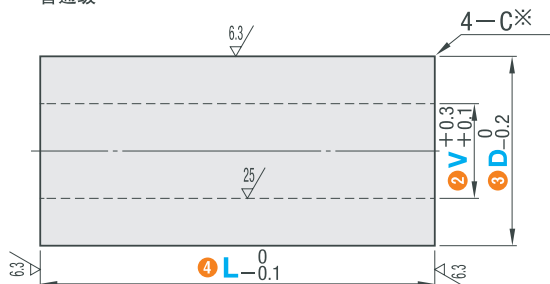


| 代码     | 材质     | 表面处理       |
|--------|--------|------------|
| ECCL   | S45C   | —          |
| ECCLC  | S45C   | —          |
| ECCLB  |        | 发黑         |
| ECCLM  |        | 无电解镍       |
| ECCLBB | 黄铜     | —          |
| ECCLA  | 铝合金    | 阳极氧化处理(本色) |
| ECCLAB |        | 阳极氧化处理(黑色) |
| ECCLSS | SUS304 | —          |

### ① 加工条件

- \*1 壁厚和全长的加工极限  
 $10.0 \leq L \leq 50.0 \rightarrow (D-V)/2 \geq 1$   
 $50.1 \leq L \leq 100.0 \rightarrow (D-V)/2 \geq 2$
- \*2 壁厚和全长的加工极限(材质A2017·黄铜)  
 $4 \leq D \leq 10 \rightarrow V \leq D-2$   
 $10.5 \leq D \leq 30 \rightarrow V \leq D-4$   
 $31 \leq D \leq 60 \rightarrow V \leq D-6$   
 $61 \leq D \leq 80 \rightarrow V \leq D-8$   
 $81 \leq D \leq 100 \rightarrow V \leq D-10$
- \*3 V和全长的加工极限  
 $L \leq V \times 8$

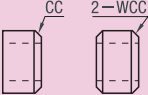
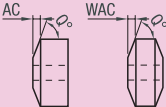
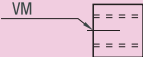
### 普通级



| ① 型号                                                                   | ② V<br>指定单位0.5mm (V尺寸3以上)                          | ③ D                                                    | ④ L                       |
|------------------------------------------------------------------------|----------------------------------------------------|--------------------------------------------------------|---------------------------|
| ECCL<br>ECCLC<br>ECCLB<br>ECCLM<br>ECCLBB<br>ECCLA<br>ECCLAB<br>ECCLSS | (选择)<br>2.0<br>2.6<br><br>3.0~90.0<br>(最小单位 0.5mm) | 4.0~20.0<br>(最小单位0.5mm)<br><br>21.0~100.0<br>(最小单位1mm) | 10.0~100.0<br>(最小单位0.1mm) |



① 型号 — ② V — ③ D — ④ L — (CC · WCC · AC · WAC · VM)  
ECCLB — V10.5 — D45.0 — L70.5 — CC1.5

|                  | 倒角C 加工<br>(单侧1处 两侧)                                                                                                                                           | 锥度 加工<br>(单侧1处 两侧)                                                                                                                                       | 螺孔孔加工                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                  |              |       |   |     |    |   |     |    |   |     |    |   |      |    |    |     |    |    |      |    |    |     |    |    |   |   |    |     |     |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------|-------|---|-----|----|---|-----|----|---|-----|----|---|------|----|----|-----|----|----|------|----|----|-----|----|----|---|---|----|-----|-----|
| 可选加工             |                                                                            |                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                  |              |       |   |     |    |   |     |    |   |     |    |   |      |    |    |     |    |    |      |    |    |     |    |    |   |   |    |     |     |
| 代码               | CC · WCC                                                                                                                                                      | AC · WAC                                                                                                                                                 | VM (粗牙)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                  |              |       |   |     |    |   |     |    |   |     |    |   |      |    |    |     |    |    |      |    |    |     |    |    |   |   |    |     |     |
| 技术说明             | <p>C倒角加工。</p> <p>指定方法 CC1.5<br/>WCC2.5</p> <p>① CC · WCC= 最小单位0.5mm<br/>① CC · WCC ≤ 10<br/>① CC · WCC &lt; (D-V)/2</p> <p>① L-CC ≤ 5<br/>① L-(WCC×2) ≤ 5</p> | <p>锥度加工。</p> <p>指定方法 AC3.5-Q60<br/>WAC5.0-Q30</p> <p>① AC · WAC= 最小单位0.5mm<br/>① Q=选择 15 20 30 60</p> <p>① AC ≤ L-5<br/>① (D-V)/2 ≥ tanQ×AC(WAC)+0.5</p> | <p>螺孔(贯通)加工。</p> <p>指定方法 将VM4 V变更为VM后指定<br/>例: ECCL-VM4-D10-L18</p> <p>① 螺孔直径和全长L的加工极限如下表所示。<br/>螺孔直径 ≤ D/2</p> <table><tr><th>螺孔直径<br/>VM - VMA</th><th>VM<br/>螺距(粗牙)</th><th>L max</th></tr><tr><td>4</td><td>0.7</td><td>20</td></tr><tr><td>5</td><td>0.8</td><td>30</td></tr><tr><td>6</td><td>1.0</td><td>35</td></tr><tr><td>8</td><td>1.25</td><td>40</td></tr><tr><td>10</td><td>1.5</td><td>50</td></tr><tr><td>12</td><td>1.75</td><td>55</td></tr><tr><td>16</td><td>2.0</td><td>90</td></tr><tr><td>18</td><td>—</td><td>—</td></tr><tr><td>20</td><td>2.5</td><td>100</td></tr></table> | 螺孔直径<br>VM - VMA | VM<br>螺距(粗牙) | L max | 4 | 0.7 | 20 | 5 | 0.8 | 30 | 6 | 1.0 | 35 | 8 | 1.25 | 40 | 10 | 1.5 | 50 | 12 | 1.75 | 55 | 16 | 2.0 | 90 | 18 | — | — | 20 | 2.5 | 100 |
| 螺孔直径<br>VM - VMA | VM<br>螺距(粗牙)                                                                                                                                                  | L max                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |              |       |   |     |    |   |     |    |   |     |    |   |      |    |    |     |    |    |      |    |    |     |    |    |   |   |    |     |     |
| 4                | 0.7                                                                                                                                                           | 20                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |              |       |   |     |    |   |     |    |   |     |    |   |      |    |    |     |    |    |      |    |    |     |    |    |   |   |    |     |     |
| 5                | 0.8                                                                                                                                                           | 30                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |              |       |   |     |    |   |     |    |   |     |    |   |      |    |    |     |    |    |      |    |    |     |    |    |   |   |    |     |     |
| 6                | 1.0                                                                                                                                                           | 35                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |              |       |   |     |    |   |     |    |   |     |    |   |      |    |    |     |    |    |      |    |    |     |    |    |   |   |    |     |     |
| 8                | 1.25                                                                                                                                                          | 40                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |              |       |   |     |    |   |     |    |   |     |    |   |      |    |    |     |    |    |      |    |    |     |    |    |   |   |    |     |     |
| 10               | 1.5                                                                                                                                                           | 50                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |              |       |   |     |    |   |     |    |   |     |    |   |      |    |    |     |    |    |      |    |    |     |    |    |   |   |    |     |     |
| 12               | 1.75                                                                                                                                                          | 55                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |              |       |   |     |    |   |     |    |   |     |    |   |      |    |    |     |    |    |      |    |    |     |    |    |   |   |    |     |     |
| 16               | 2.0                                                                                                                                                           | 90                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |              |       |   |     |    |   |     |    |   |     |    |   |      |    |    |     |    |    |      |    |    |     |    |    |   |   |    |     |     |
| 18               | —                                                                                                                                                             | —                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |              |       |   |     |    |   |     |    |   |     |    |   |      |    |    |     |    |    |      |    |    |     |    |    |   |   |    |     |     |
| 20               | 2.5                                                                                                                                                           | 100                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |              |       |   |     |    |   |     |    |   |     |    |   |      |    |    |     |    |    |      |    |    |     |    |    |   |   |    |     |     |

