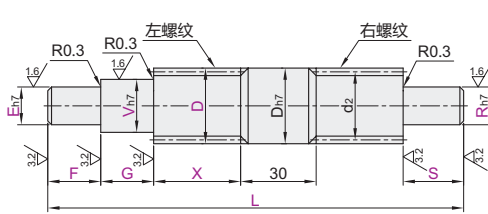


# 30度梯形丝杠

## 一端一阶一端二阶型·B型 中部公差h7型

| 代码    | 类型             | 螺纹旋向 | 材质        |        | 表面处理 |
|-------|----------------|------|-----------|--------|------|
|       |                |      | 国标        | 相当     |      |
| LJF22 | 一端一阶一端二阶<br>B型 | 一端左旋 | 45        | S45C   | 发黑   |
| LJF26 |                | 一端右旋 | Y1Cr18Ni9 | SUS303 | —    |



6.3

视角标准：第一视角

| 型号             |                      | 最小单位0.5  |   | V-R选择     |                 | 最小单位0.5      |   | 螺距 P | 有效直径 d <sub>2</sub> | 螺纹牙根直径(min) | 螺纹升角  |
|----------------|----------------------|----------|---|-----------|-----------------|--------------|---|------|---------------------|-------------|-------|
| 代码             | D                    | L        | F-G-S                                     | E         | X               | E            | X |      |                     |             |       |
| LJF22<br>LJF26 | 14                   | 70~1000  | 3 ≤ F ≤ E×8<br>3 ≤ G ≤ V×8<br>3 ≤ S ≤ R×8 | 8 9 10    | V/2 ≤ E ≤ V-1.5 | 请根据使用要求指定尺寸。 |   | 3    | 12.5                | 10.1        | 4°22' |
|                | 16                   | 80~1200  |   | 8 9 10 12 |                 |              |   | 3    | 14.5                | 12.1        | 3°46' |
|                | 20                   | 120~1200 | 9 10 12 14 15                             | 4         |                 |              |   | 18   | 15.1                | 4°03'       |       |
|                | 25                   |          | 10 12 14 15 16 17                         | 5         |                 |              |   | 22.5 | 19                  | 4°03'       |       |
|                | 28                   | 150~1200 | 12 14 15 16 17 20                         | 5         |                 |              |   | 25.5 | 22                  | 3°34'       |       |
| 32             | 12 14 15 16 17 20 25 |          | 6   | 29        | 24.5            | 3°46'        |   |      |                     |             |       |



可选加工

| 可选加工       | 增加挡圈槽   | 增加两平面             | 增加端面粗牙螺孔 | 增加外螺纹             | 增加四平面 | 增加键槽 |   |        |     |   |   |   |   |    |     |       |      |    |      |    |      |    |      |   |         |    |      |    |      |    |    |   |      |    |      |    |      |    |    |       |      |    |    |  |  |                 |     |  |  |  |       |   |   |     |         |   |   |   |   |     |     |      |     |       |         |       |           |       |              |       |                 |       |                    |       |                       |    |                             |   |     |      |   |        |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |  |            |   |      |     |       |      |       |       |       |       |       |       |       |       |       |       |  |     |       |  |  |    |    |    |    |     |   |     |  |      |      |   |     |        |       |   |     |  |       |       |   |     |        |       |   |     |  |      |       |   |     |        |       |    |     |        |       |    |     |  |       |
|------------|---|-------------------|----------|-------------------|-------|------|---|--------|-----|---|---|---|---|----|-----|-------|------|----|------|----|------|----|------|---|---------|----|------|----|------|----|----|---|------|----|------|----|------|----|----|-------|------|----|----|--|--|-----------------|-----|--|--|--|-------|---|---|-----|---------|---|---|---|---|-----|-----|------|-----|-------|---------|-------|-----------|-------|--------------|-------|-----------------|-------|--------------------|-------|-----------------------|----|-----------------------------|---|-----|------|---|--------|----|---------|----|---------|----|---------|----|---------|----|---------|----|---------|----|---------|----|---------|----|---------|----|---------|--|------------|---|------|-----|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|-----|-------|--|--|----|----|----|----|-----|---|-----|--|------|------|---|-----|--------|-------|---|-----|--|-------|-------|---|-----|--------|-------|---|-----|--|------|-------|---|-----|--------|-------|----|-----|--------|-------|----|-----|--|-------|
| 技术说明       | <p>选型方法 AR13.3</p> <p>① 最小单位0.1</p> <table border="1"> <thead> <tr> <th>RE</th> <th>e公差</th> <th>m<sup>0.14</sup></th> <th>n</th> </tr> </thead> <tbody> <tr><td>7</td><td>4</td><td rowspan="3">+0.075</td><td rowspan="3">0.7</td></tr> <tr><td>8</td><td>5</td></tr> <tr><td>9</td><td>6</td></tr> <tr><td>10</td><td>9.6</td><td rowspan="3">-0.09</td><td rowspan="3">1.15</td></tr> <tr><td>12</td><td>11.5</td></tr> <tr><td>14</td><td>13.4</td></tr> <tr><td>15</td><td>14.3</td><td rowspan="3">0</td><td rowspan="3">n ≥ 1.5</td></tr> <tr><td>16</td><td>15.2</td></tr> <tr><td>17</td><td>16.2</td></tr> <tr><td>20</td><td>19</td><td rowspan="3">0</td><td rowspan="3">1.35</td></tr> <tr><td>25</td><td>23.9</td></tr> <tr><td>30</td><td>28.6</td></tr> <tr><td>35</td><td>33</td><td rowspan="2">-0.21</td><td rowspan="2">1.65</td></tr> <tr><td>40</td><td>38</td></tr> <tr><td></td><td></td><td rowspan="2">u<sub>25</sub></td><td rowspan="2">1.9</td></tr> <tr><td></td><td></td><td></td><td>n ≥ 2</td></tr> </tbody> </table> | RE                | e公差      | m <sup>0.14</sup> | n     | 7    | 4 | +0.075 | 0.7 | 8 | 5 | 9 | 6 | 10 | 9.6 | -0.09 | 1.15 | 12 | 11.5 | 14 | 13.4 | 15 | 14.3 | 0 | n ≥ 1.5 | 16 | 15.2 | 17 | 16.2 | 20 | 19 | 0 | 1.35 | 25 | 23.9 | 30 | 28.6 | 35 | 33 | -0.21 | 1.65 | 40 | 38 |  |  | u <sub>25</sub> | 1.9 |  |  |  | n ≥ 2 | <p>选型方法 SE3-SW10-SY7</p> <p>① 最小单位0.5</p> | <p>选型方法 MR24</p> <table border="1"> <thead> <tr> <th>R-E</th> <th>ME-MR选择</th> </tr> </thead> <tbody> <tr><td>5</td><td>3</td></tr> <tr><td>6</td><td>3</td></tr> <tr><td>7-8</td><td>3-4</td></tr> <tr><td>9-10</td><td>3-4</td></tr> <tr><td>11-12</td><td>3-4-5-6</td></tr> <tr><td>13-15</td><td>3-4-5-6-8</td></tr> <tr><td>16-17</td><td>3-4-5-6-8-10</td></tr> <tr><td>18-24</td><td>3-4-5-6-8-10-12</td></tr> <tr><td>25-30</td><td>3-4-5-6-8-10-12-16</td></tr> <tr><td>31-39</td><td>3-4-5-6-8-10-12-16-20</td></tr> <tr><td>40</td><td>3-4-5-6-8-10-12-16-20-24-30</td></tr> </tbody> </table> | R-E | ME-MR选择 | 5 | 3 | 6 | 3 | 7-8 | 3-4 | 9-10 | 3-4 | 11-12 | 3-4-5-6 | 13-15 | 3-4-5-6-8 | 16-17 | 3-4-5-6-8-10 | 18-24 | 3-4-5-6-8-10-12 | 25-30 | 3-4-5-6-8-10-12-16 | 31-39 | 3-4-5-6-8-10-12-16-20 | 40 | 3-4-5-6-8-10-12-16-20-24-30 | <p>选型方法 BR20</p> <p>① BV, BR ≤ G, S-螺距×3</p> <table border="1"> <thead> <tr> <th>V-R</th> <th>M*螺距</th> </tr> </thead> <tbody> <tr><td>8</td><td>M8×1.0</td></tr> <tr><td>10</td><td>M10×1.0</td></tr> <tr><td>12</td><td>M12×1.0</td></tr> <tr><td>14</td><td>M14×1.0</td></tr> <tr><td>15</td><td>M15×1.0</td></tr> <tr><td>17</td><td>M17×1.0</td></tr> <tr><td>20</td><td>M20×1.0</td></tr> <tr><td>25</td><td>M25×1.5</td></tr> <tr><td>30</td><td>M30×1.5</td></tr> <tr><td>35</td><td>M35×1.5</td></tr> <tr><td>40</td><td>M40×1.5</td></tr> </tbody> </table> | V-R | M*螺距 | 8 | M8×1.0 | 10 | M10×1.0 | 12 | M12×1.0 | 14 | M14×1.0 | 15 | M15×1.0 | 17 | M17×1.0 | 20 | M20×1.0 | 25 | M25×1.5 | 30 | M30×1.5 | 35 | M35×1.5 | 40 | M40×1.5 | <p>选型方法 ZE12-W10-A8</p> <p>① 最小单位0.5</p> <p>② A=5-20</p> <table border="1"> <thead> <tr> <th>ZE=E, ZR=R</th> <th>W</th> </tr> </thead> <tbody> <tr><td>6-10</td><td>5-8</td></tr> <tr><td>11-14</td><td>8-10</td></tr> <tr><td>15-19</td><td>10-14</td></tr> <tr><td>20-25</td><td>14-20</td></tr> <tr><td>26-30</td><td>19-24</td></tr> <tr><td>31-35</td><td>22-28</td></tr> <tr><td>36-40</td><td>26-30</td></tr> </tbody> </table> | ZE=E, ZR=R | W | 6-10 | 5-8 | 11-14 | 8-10 | 15-19 | 10-14 | 20-25 | 14-20 | 26-30 | 19-24 | 31-35 | 22-28 | 36-40 | 26-30 | <p>选型方法 KV8-C10</p> <p>① 最小单位0.5</p> <p>② KV(KE, KR)=0时, 键槽形状如右图:</p> <table border="1"> <thead> <tr> <th rowspan="2">V/R</th> <th colspan="3">轴键槽尺寸</th> <th rowspan="2">r1</th> </tr> <tr> <th>b1</th> <th>t1</th> <th>公差</th> </tr> </thead> <tbody> <tr><td>6-7</td><td>2</td><td>1.2</td><td></td><td rowspan="2">0.08</td></tr> <tr><td>8-10</td><td>3</td><td>1.8</td><td>-0.029</td></tr> <tr><td>11-12</td><td>4</td><td>3.0</td><td></td><td rowspan="2">-0.16</td></tr> <tr><td>13-17</td><td>5</td><td>4.0</td><td>+0.030</td></tr> <tr><td>18-22</td><td>6</td><td>3.5</td><td></td><td rowspan="2">0.16</td></tr> <tr><td>23-30</td><td>8</td><td>4.0</td><td>-0.036</td></tr> <tr><td>31-38</td><td>10</td><td>5.0</td><td>+0.043</td></tr> <tr><td>39-40</td><td>12</td><td>5.0</td><td></td><td>-0.40</td></tr> </tbody> </table> | V/R | 轴键槽尺寸 |  |  | r1 | b1 | t1 | 公差 | 6-7 | 2 | 1.2 |  | 0.08 | 8-10 | 3 | 1.8 | -0.029 | 11-12 | 4 | 3.0 |  | -0.16 | 13-17 | 5 | 4.0 | +0.030 | 18-22 | 6 | 3.5 |  | 0.16 | 23-30 | 8 | 4.0 | -0.036 | 31-38 | 10 | 5.0 | +0.043 | 39-40 | 12 | 5.0 |  | -0.40 |
| RE         | e公差   | m <sup>0.14</sup> | n        |                   |       |      |   |        |     |   |   |   |   |    |     |       |      |    |      |    |      |    |      |   |         |    |      |    |      |    |    |   |      |    |      |    |      |    |    |       |      |    |    |  |  |                 |     |  |  |  |       |   |   |     |         |   |   |   |   |     |     |      |     |       |         |       |           |       |              |       |                 |       |                    |       |                       |    |                             |   |     |      |   |        |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |  |            |   |      |     |       |      |       |       |       |       |       |       |       |       |       |       |  |     |       |  |  |    |    |    |    |     |   |     |  |      |      |   |     |        |       |   |     |  |       |       |   |     |        |       |   |     |  |      |       |   |     |        |       |    |     |        |       |    |     |  |       |
| 7          | 4   | +0.075            | 0.7      |                   |       |      |   |        |     |   |   |   |   |    |     |       |      |    |      |    |      |    |      |   |         |    |      |    |      |    |    |   |      |    |      |    |      |    |    |       |      |    |    |  |  |                 |     |  |  |  |       |   |   |     |         |   |   |   |   |     |     |      |     |       |         |       |           |       |              |       |                 |       |                    |       |                       |    |                             |   |     |      |   |        |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |  |            |   |      |     |       |      |       |       |       |       |       |       |       |       |       |       |  |     |       |  |  |    |    |    |    |     |   |     |  |      |      |   |     |        |       |   |     |  |       |       |   |     |        |       |   |     |  |      |       |   |     |        |       |    |     |        |       |    |     |  |       |
| 8          | 5   |                   |          |                   |       |      |   |        |     |   |   |   |   |    |     |       |      |    |      |    |      |    |      |   |         |    |      |    |      |    |    |   |      |    |      |    |      |    |    |       |      |    |    |  |  |                 |     |  |  |  |       |   |   |     |         |   |   |   |   |     |     |      |     |       |         |       |           |       |              |       |                 |       |                    |       |                       |    |                             |   |     |      |   |        |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |  |            |   |      |     |       |      |       |       |       |       |       |       |       |       |       |       |  |     |       |  |  |    |    |    |    |     |   |     |  |      |      |   |     |        |       |   |     |  |       |       |   |     |        |       |   |     |  |      |       |   |     |        |       |    |     |        |       |    |     |  |       |
| 9          | 6   |                   |          |                   |       |      |   |        |     |   |   |   |   |    |     |       |      |    |      |    |      |    |      |   |         |    |      |    |      |    |    |   |      |    |      |    |      |    |    |       |      |    |    |  |  |                 |     |  |  |  |       |   |   |     |         |   |   |   |   |     |     |      |     |       |         |       |           |       |              |       |                 |       |                    |       |                       |    |                             |   |     |      |   |        |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |  |            |   |      |     |       |      |       |       |       |       |       |       |       |       |       |       |  |     |       |  |  |    |    |    |    |     |   |     |  |      |      |   |     |        |       |   |     |  |       |       |   |     |        |       |   |     |  |      |       |   |     |        |       |    |     |        |       |    |     |  |       |
| 10         | 9.6   | -0.09             | 1.15     |                   |       |      |   |        |     |   |   |   |   |    |     |       |      |    |      |    |      |    |      |   |         |    |      |    |      |    |    |   |      |    |      |    |      |    |    |       |      |    |    |  |  |                 |     |  |  |  |       |   |   |     |         |   |   |   |   |     |     |      |     |       |         |       |           |       |              |       |                 |       |                    |       |                       |    |                             |   |     |      |   |        |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |  |            |   |      |     |       |      |       |       |       |       |       |       |       |       |       |       |  |     |       |  |  |    |    |    |    |     |   |     |  |      |      |   |     |        |       |   |     |  |       |       |   |     |        |       |   |     |  |      |       |   |     |        |       |    |     |        |       |    |     |  |       |
| 12         | 11.5  |                   |          |                   |       |      |   |        |     |   |   |   |   |    |     |       |      |    |      |    |      |    |      |   |         |    |      |    |      |    |    |   |      |    |      |    |      |    |    |       |      |    |    |  |  |                 |     |  |  |  |       |   |   |     |         |   |   |   |   |     |     |      |     |       |         |       |           |       |              |       |                 |       |                    |       |                       |    |                             |   |     |      |   |        |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |  |            |   |      |     |       |      |       |       |       |       |       |       |       |       |       |       |  |     |       |  |  |    |    |    |    |     |   |     |  |      |      |   |     |        |       |   |     |  |       |       |   |     |        |       |   |     |  |      |       |   |     |        |       |    |     |        |       |    |     |  |       |
| 14         | 13.4  |                   |          |                   |       |      |   |        |     |   |   |   |   |    |     |       |      |    |      |    |      |    |      |   |         |    |      |    |      |    |    |   |      |    |      |    |      |    |    |       |      |    |    |  |  |                 |     |  |  |  |       |   |   |     |         |   |   |   |   |     |     |      |     |       |         |       |           |       |              |       |                 |       |                    |       |                       |    |                             |   |     |      |   |        |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |  |            |   |      |     |       |      |       |       |       |       |       |       |       |       |       |       |  |     |       |  |  |    |    |    |    |     |   |     |  |      |      |   |     |        |       |   |     |  |       |       |   |     |        |       |   |     |  |      |       |   |     |        |       |    |     |        |       |    |     |  |       |
| 15         | 14.3  | 0                 | n ≥ 1.5  |                   |       |      |   |        |     |   |   |   |   |    |     |       |      |    |      |    |      |    |      |   |         |    |      |    |      |    |    |   |      |    |      |    |      |    |    |       |      |    |    |  |  |                 |     |  |  |  |       |   |   |     |         |   |   |   |   |     |     |      |     |       |         |       |           |       |              |       |                 |       |                    |       |                       |    |                             |   |     |      |   |        |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |  |            |   |      |     |       |      |       |       |       |       |       |       |       |       |       |       |  |     |       |  |  |    |    |    |    |     |   |     |  |      |      |   |     |        |       |   |     |  |       |       |   |     |        |       |   |     |  |      |       |   |     |        |       |    |     |        |       |    |     |  |       |
| 16         | 15.2  |                   |          |                   |       |      |   |        |     |   |   |   |   |    |     |       |      |    |      |    |      |    |      |   |         |    |      |    |      |    |    |   |      |    |      |    |      |    |    |       |      |    |    |  |  |                 |     |  |  |  |       |   |   |     |         |   |   |   |   |     |     |      |     |       |         |       |           |       |              |       |                 |       |                    |       |                       |    |                             |   |     |      |   |        |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |  |            |   |      |     |       |      |       |       |       |       |       |       |       |       |       |       |  |     |       |  |  |    |    |    |    |     |   |     |  |      |      |   |     |        |       |   |     |  |       |       |   |     |        |       |   |     |  |      |       |   |     |        |       |    |     |        |       |    |     |  |       |
| 17         | 16.2  |                   |          |                   |       |      |   |        |     |   |   |   |   |    |     |       |      |    |      |    |      |    |      |   |         |    |      |    |      |    |    |   |      |    |      |    |      |    |    |       |      |    |    |  |  |                 |     |  |  |  |       |   |   |     |         |   |   |   |   |     |     |      |     |       |         |       |           |       |              |       |                 |       |                    |       |                       |    |                             |   |     |      |   |        |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |  |            |   |      |     |       |      |       |       |       |       |       |       |       |       |       |       |  |     |       |  |  |    |    |    |    |     |   |     |  |      |      |   |     |        |       |   |     |  |       |       |   |     |        |       |   |     |  |      |       |   |     |        |       |    |     |        |       |    |     |  |       |
| 20         | 19  | 0                 | 1.35     |                   |       |      |   |        |     |   |   |   |   |    |     |       |      |    |      |    |      |    |      |   |         |    |      |    |      |    |    |   |      |    |      |    |      |    |    |       |      |    |    |  |  |                 |     |  |  |  |       |   |   |     |         |   |   |   |   |     |     |      |     |       |         |       |           |       |              |       |                 |       |                    |       |                       |    |                             |   |     |      |   |        |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |  |            |   |      |     |       |      |       |       |       |       |       |       |       |       |       |       |  |     |       |  |  |    |    |    |    |     |   |     |  |      |      |   |     |        |       |   |     |  |       |       |   |     |        |       |   |     |  |      |       |   |     |        |       |    |     |        |       |    |     |  |       |
| 25         | 23.9  |                   |          |                   |       |      |   |        |     |   |   |   |   |    |     |       |      |    |      |    |      |    |      |   |         |    |      |    |      |    |    |   |      |    |      |    |      |    |    |       |      |    |    |  |  |                 |     |  |  |  |       |   |   |     |         |   |   |   |   |     |     |      |     |       |         |       |           |       |              |       |                 |       |                    |       |                       |    |                             |   |     |      |   |        |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |  |            |   |      |     |       |      |       |       |       |       |       |       |       |       |       |       |  |     |       |  |  |    |    |    |    |     |   |     |  |      |      |   |     |        |       |   |     |  |       |       |   |     |        |       |   |     |  |      |       |   |     |        |       |    |     |        |       |    |     |  |       |
| 30         | 28.6  |                   |          |                   |       |      |   |        |     |   |   |   |   |    |     |       |      |    |      |    |      |    |      |   |         |    |      |    |      |    |    |   |      |    |      |    |      |    |    |       |      |    |    |  |  |                 |     |  |  |  |       |   |   |     |         |   |   |   |   |     |     |      |     |       |         |       |           |       |              |       |                 |       |                    |       |                       |    |                             |   |     |      |   |        |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |  |            |   |      |     |       |      |       |       |       |       |       |       |       |       |       |       |  |     |       |  |  |    |    |    |    |     |   |     |  |      |      |   |     |        |       |   |     |  |       |       |   |     |        |       |   |     |  |      |       |   |     |        |       |    |     |        |       |    |     |  |       |
| 35         | 33  | -0.21             | 1.65     |                   |       |      |   |        |     |   |   |   |   |    |     |       |      |    |      |    |      |    |      |   |         |    |      |    |      |    |    |   |      |    |      |    |      |    |    |       |      |    |    |  |  |                 |     |  |  |  |       |   |   |     |         |   |   |   |   |     |     |      |     |       |         |       |           |       |              |       |                 |       |                    |       |                       |    |                             |   |     |      |   |        |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |  |            |   |      |     |       |      |       |       |       |       |       |       |       |       |       |       |  |     |       |  |  |    |    |    |    |     |   |     |  |      |      |   |     |        |       |   |     |  |       |       |   |     |        |       |   |     |  |      |       |   |     |        |       |    |     |        |       |    |     |  |       |
| 40         | 38  |                   |          |                   |       |      |   |        |     |   |   |   |   |    |     |       |      |    |      |    |      |    |      |   |         |    |      |    |      |    |    |   |      |    |      |    |      |    |    |       |      |    |    |  |  |                 |     |  |  |  |       |   |   |     |         |   |   |   |   |     |     |      |     |       |         |       |           |       |              |       |                 |       |                    |       |                       |    |                             |   |     |      |   |        |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |  |            |   |      |     |       |      |       |       |       |       |       |       |       |       |       |       |  |     |       |  |  |    |    |    |    |     |   |     |  |      |      |   |     |        |       |   |     |  |       |       |   |     |        |       |   |     |  |      |       |   |     |        |       |    |     |        |       |    |     |  |       |
|            |   | u <sub>25</sub>   | 1.9      |                   |       |      |   |        |     |   |   |   |   |    |     |       |      |    |      |    |      |    |      |   |         |    |      |    |      |    |    |   |      |    |      |    |      |    |    |       |      |    |    |  |  |                 |     |  |  |  |       |   |   |     |         |   |   |   |   |     |     |      |     |       |         |       |           |       |              |       |                 |       |                    |       |                       |    |                             |   |     |      |   |        |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |  |            |   |      |     |       |      |       |       |       |       |       |       |       |       |       |       |  |     |       |  |  |    |    |    |    |     |   |     |  |      |      |   |     |        |       |   |     |  |       |       |   |     |        |       |   |     |  |      |       |   |     |        |       |    |     |        |       |    |     |  |       |
|            |   |                   |          |                   | n ≥ 2 |      |   |        |     |   |   |   |   |    |     |       |      |    |      |    |      |    |      |   |         |    |      |    |      |    |    |   |      |    |      |    |      |    |    |       |      |    |    |  |  |                 |     |  |  |  |       |   |   |     |         |   |   |   |   |     |     |      |     |       |         |       |           |       |              |       |                 |       |                    |       |                       |    |                             |   |     |      |   |        |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |  |            |   |      |     |       |      |       |       |       |       |       |       |       |       |       |       |  |     |       |  |  |    |    |    |    |     |   |     |  |      |      |   |     |        |       |   |     |  |       |       |   |     |        |       |   |     |  |      |       |   |     |        |       |    |     |        |       |    |     |  |       |
| R-E        | ME-MR选择   |                   |          |                   |       |      |   |        |     |   |   |   |   |    |     |       |      |    |      |    |      |    |      |   |         |    |      |    |      |    |    |   |      |    |      |    |      |    |    |       |      |    |    |  |  |                 |     |  |  |  |       |   |   |     |         |   |   |   |   |     |     |      |     |       |         |       |           |       |              |       |                 |       |                    |       |                       |    |                             |   |     |      |   |        |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |  |            |   |      |     |       |      |       |       |       |       |       |       |       |       |       |       |  |     |       |  |  |    |    |    |    |     |   |     |  |      |      |   |     |        |       |   |     |  |       |       |   |     |        |       |   |     |  |      |       |   |     |        |       |    |     |        |       |    |     |  |       |
| 5          | 3   |                   |          |                   |       |      |   |        |     |   |   |   |   |    |     |       |      |    |      |    |      |    |      |   |         |    |      |    |      |    |    |   |      |    |      |    |      |    |    |       |      |    |    |  |  |                 |     |  |  |  |       |   |   |     |         |   |   |   |   |     |     |      |     |       |         |       |           |       |              |       |                 |       |                    |       |                       |    |                             |   |     |      |   |        |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |  |            |   |      |     |       |      |       |       |       |       |       |       |       |       |       |       |  |     |       |  |  |    |    |    |    |     |   |     |  |      |      |   |     |        |       |   |     |  |       |       |   |     |        |       |   |     |  |      |       |   |     |        |       |    |     |        |       |    |     |  |       |
| 6          | 3   |                   |          |                   |       |      |   |        |     |   |   |   |   |    |     |       |      |    |      |    |      |    |      |   |         |    |      |    |      |    |    |   |      |    |      |    |      |    |    |       |      |    |    |  |  |                 |     |  |  |  |       |   |   |     |         |   |   |   |   |     |     |      |     |       |         |       |           |       |              |       |                 |       |                    |       |                       |    |                             |   |     |      |   |        |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |  |            |   |      |     |       |      |       |       |       |       |       |       |       |       |       |       |  |     |       |  |  |    |    |    |    |     |   |     |  |      |      |   |     |        |       |   |     |  |       |       |   |     |        |       |   |     |  |      |       |   |     |        |       |    |     |        |       |    |     |  |       |
| 7-8        | 3-4   |                   |          |                   |       |      |   |        |     |   |   |   |   |    |     |       |      |    |      |    |      |    |      |   |         |    |      |    |      |    |    |   |      |    |      |    |      |    |    |       |      |    |    |  |  |                 |     |  |  |  |       |   |   |     |         |   |   |   |   |     |     |      |     |       |         |       |           |       |              |       |                 |       |                    |       |                       |    |                             |   |     |      |   |        |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |  |            |   |      |     |       |      |       |       |       |       |       |       |       |       |       |       |  |     |       |  |  |    |    |    |    |     |   |     |  |      |      |   |     |        |       |   |     |  |       |       |   |     |        |       |   |     |  |      |       |   |     |        |       |    |     |        |       |    |     |  |       |
| 9-10       | 3-4   |                   |          |                   |       |      |   |        |     |   |   |   |   |    |     |       |      |    |      |    |      |    |      |   |         |    |      |    |      |    |    |   |      |    |      |    |      |    |    |       |      |    |    |  |  |                 |     |  |  |  |       |   |   |     |         |   |   |   |   |     |     |      |     |       |         |       |           |       |              |       |                 |       |                    |       |                       |    |                             |   |     |      |   |        |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |  |            |   |      |     |       |      |       |       |       |       |       |       |       |       |       |       |  |     |       |  |  |    |    |    |    |     |   |     |  |      |      |   |     |        |       |   |     |  |       |       |   |     |        |       |   |     |  |      |       |   |     |        |       |    |     |        |       |    |     |  |       |
| 11-12      | 3-4-5-6   |                   |          |                   |       |      |   |        |     |   |   |   |   |    |     |       |      |    |      |    |      |    |      |   |         |    |      |    |      |    |    |   |      |    |      |    |      |    |    |       |      |    |    |  |  |                 |     |  |  |  |       |   |   |     |         |   |   |   |   |     |     |      |     |       |         |       |           |       |              |       |                 |       |                    |       |                       |    |                             |   |     |      |   |        |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |  |            |   |      |     |       |      |       |       |       |       |       |       |       |       |       |       |  |     |       |  |  |    |    |    |    |     |   |     |  |      |      |   |     |        |       |   |     |  |       |       |   |     |        |       |   |     |  |      |       |   |     |        |       |    |     |        |       |    |     |  |       |
| 13-15      | 3-4-5-6-8   |                   |          |                   |       |      |   |        |     |   |   |   |   |    |     |       |      |    |      |    |      |    |      |   |         |    |      |    |      |    |    |   |      |    |      |    |      |    |    |       |      |    |    |  |  |                 |     |  |  |  |       |   |   |     |         |   |   |   |   |     |     |      |     |       |         |       |           |       |              |       |                 |       |                    |       |                       |    |                             |   |     |      |   |        |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |  |            |   |      |     |       |      |       |       |       |       |       |       |       |       |       |       |  |     |       |  |  |    |    |    |    |     |   |     |  |      |      |   |     |        |       |   |     |  |       |       |   |     |        |       |   |     |  |      |       |   |     |        |       |    |     |        |       |    |     |  |       |
| 16-17      | 3-4-5-6-8-10  |                   |          |                   |       |      |   |        |     |   |   |   |   |    |     |       |      |    |      |    |      |    |      |   |         |    |      |    |      |    |    |   |      |    |      |    |      |    |    |       |      |    |    |  |  |                 |     |  |  |  |       |   |   |     |         |   |   |   |   |     |     |      |     |       |         |       |           |       |              |       |                 |       |                    |       |                       |    |                             |   |     |      |   |        |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |  |            |   |      |     |       |      |       |       |       |       |       |       |       |       |       |       |  |     |       |  |  |    |    |    |    |     |   |     |  |      |      |   |     |        |       |   |     |  |       |       |   |     |        |       |   |     |  |      |       |   |     |        |       |    |     |        |       |    |     |  |       |
| 18-24      | 3-4-5-6-8-10-12   |                   |          |                   |       |      |   |        |     |   |   |   |   |    |     |       |      |    |      |    |      |    |      |   |         |    |      |    |      |    |    |   |      |    |      |    |      |    |    |       |      |    |    |  |  |                 |     |  |  |  |       |   |   |     |         |   |   |   |   |     |     |      |     |       |         |       |           |       |              |       |                 |       |                    |       |                       |    |                             |   |     |      |   |        |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |  |            |   |      |     |       |      |       |       |       |       |       |       |       |       |       |       |  |     |       |  |  |    |    |    |    |     |   |     |  |      |      |   |     |        |       |   |     |  |       |       |   |     |        |       |   |     |  |      |       |   |     |        |       |    |     |        |       |    |     |  |       |
| 25-30      | 3-4-5-6-8-10-12-16  |                   |          |                   |       |      |   |        |     |   |   |   |   |    |     |       |      |    |      |    |      |    |      |   |         |    |      |    |      |    |    |   |      |    |      |    |      |    |    |       |      |    |    |  |  |                 |     |  |  |  |       |   |   |     |         |   |   |   |   |     |     |      |     |       |         |       |           |       |              |       |                 |       |                    |       |                       |    |                             |   |     |      |   |        |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |  |            |   |      |     |       |      |       |       |       |       |       |       |       |       |       |       |  |     |       |  |  |    |    |    |    |     |   |     |  |      |      |   |     |        |       |   |     |  |       |       |   |     |        |       |   |     |  |      |       |   |     |        |       |    |     |        |       |    |     |  |       |
| 31-39      | 3-4-5-6-8-10-12-16-20   |                   |          |                   |       |      |   |        |     |   |   |   |   |    |     |       |      |    |      |    |      |    |      |   |         |    |      |    |      |    |    |   |      |    |      |    |      |    |    |       |      |    |    |  |  |                 |     |  |  |  |       |   |   |     |         |   |   |   |   |     |     |      |     |       |         |       |           |       |              |       |                 |       |                    |       |                       |    |                             |   |     |      |   |        |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |  |            |   |      |     |       |      |       |       |       |       |       |       |       |       |       |       |  |     |       |  |  |    |    |    |    |     |   |     |  |      |      |   |     |        |       |   |     |  |       |       |   |     |        |       |   |     |  |      |       |   |     |        |       |    |     |        |       |    |     |  |       |
| 40         | 3-4-5-6-8-10-12-16-20-24-30   |                   |          |                   |       |      |   |        |     |   |   |   |   |    |     |       |      |    |      |    |      |    |      |   |         |    |      |    |      |    |    |   |      |    |      |    |      |    |    |       |      |    |    |  |  |                 |     |  |  |  |       |   |   |     |         |   |   |   |   |     |     |      |     |       |         |       |           |       |              |       |                 |       |                    |       |                       |    |                             |   |     |      |   |        |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |  |            |   |      |     |       |      |       |       |       |       |       |       |       |       |       |       |  |     |       |  |  |    |    |    |    |     |   |     |  |      |      |   |     |        |       |   |     |  |       |       |   |     |        |       |   |     |  |      |       |   |     |        |       |    |     |        |       |    |     |  |       |
| V-R        | M*螺距  |                   |          |                   |       |      |   |        |     |   |   |   |   |    |     |       |      |    |      |    |      |    |      |   |         |    |      |    |      |    |    |   |      |    |      |    |      |    |    |       |      |    |    |  |  |                 |     |  |  |  |       |   |   |     |         |   |   |   |   |     |     |      |     |       |         |       |           |       |              |       |                 |       |                    |       |                       |    |                             |   |     |      |   |        |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |  |            |   |      |     |       |      |       |       |       |       |       |       |       |       |       |       |  |     |       |  |  |    |    |    |    |     |   |     |  |      |      |   |     |        |       |   |     |  |       |       |   |     |        |       |   |     |  |      |       |   |     |        |       |    |     |        |       |    |     |  |       |
| 8          | M8×1.0  |                   |          |                   |       |      |   |        |     |   |   |   |   |    |     |       |      |    |      |    |      |    |      |   |         |    |      |    |      |    |    |   |      |    |      |    |      |    |    |       |      |    |    |  |  |                 |     |  |  |  |       |   |   |     |         |   |   |   |   |     |     |      |     |       |         |       |           |       |              |       |                 |       |                    |       |                       |    |                             |   |     |      |   |        |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |  |            |   |      |     |       |      |       |       |       |       |       |       |       |       |       |       |  |     |       |  |  |    |    |    |    |     |   |     |  |      |      |   |     |        |       |   |     |  |       |       |   |     |        |       |   |     |  |      |       |   |     |        |       |    |     |        |       |    |     |  |       |
| 10         | M10×1.0   |                   |          |                   |       |      |   |        |     |   |   |   |   |    |     |       |      |    |      |    |      |    |      |   |         |    |      |    |      |    |    |   |      |    |      |    |      |    |    |       |      |    |    |  |  |                 |     |  |  |  |       |   |   |     |         |   |   |   |   |     |     |      |     |       |         |       |           |       |              |       |                 |       |                    |       |                       |    |                             |   |     |      |   |        |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |  |            |   |      |     |       |      |       |       |       |       |       |       |       |       |       |       |  |     |       |  |  |    |    |    |    |     |   |     |  |      |      |   |     |        |       |   |     |  |       |       |   |     |        |       |   |     |  |      |       |   |     |        |       |    |     |        |       |    |     |  |       |
| 12         | M12×1.0   |                   |          |                   |       |      |   |        |     |   |   |   |   |    |     |       |      |    |      |    |      |    |      |   |         |    |      |    |      |    |    |   |      |    |      |    |      |    |    |       |      |    |    |  |  |                 |     |  |  |  |       |   |   |     |         |   |   |   |   |     |     |      |     |       |         |       |           |       |              |       |                 |       |                    |       |                       |    |                             |   |     |      |   |        |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |  |            |   |      |     |       |      |       |       |       |       |       |       |       |       |       |       |  |     |       |  |  |    |    |    |    |     |   |     |  |      |      |   |     |        |       |   |     |  |       |       |   |     |        |       |   |     |  |      |       |   |     |        |       |    |     |        |       |    |     |  |       |
| 14         | M14×1.0   |                   |          |                   |       |      |   |        |     |   |   |   |   |    |     |       |      |    |      |    |      |    |      |   |         |    |      |    |      |    |    |   |      |    |      |    |      |    |    |       |      |    |    |  |  |                 |     |  |  |  |       |   |   |     |         |   |   |   |   |     |     |      |     |       |         |       |           |       |              |       |                 |       |                    |       |                       |    |                             |   |     |      |   |        |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |  |            |   |      |     |       |      |       |       |       |       |       |       |       |       |       |       |  |     |       |  |  |    |    |    |    |     |   |     |  |      |      |   |     |        |       |   |     |  |       |       |   |     |        |       |   |     |  |      |       |   |     |        |       |    |     |        |       |    |     |  |       |
| 15         | M15×1.0   |                   |          |                   |       |      |   |        |     |   |   |   |   |    |     |       |      |    |      |    |      |    |      |   |         |    |      |    |      |    |    |   |      |    |      |    |      |    |    |       |      |    |    |  |  |                 |     |  |  |  |       |   |   |     |         |   |   |   |   |     |     |      |     |       |         |       |           |       |              |       |                 |       |                    |       |                       |    |                             |   |     |      |   |        |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |  |            |   |      |     |       |      |       |       |       |       |       |       |       |       |       |       |  |     |       |  |  |    |    |    |    |     |   |     |  |      |      |   |     |        |       |   |     |  |       |       |   |     |        |       |   |     |  |      |       |   |     |        |       |    |     |        |       |    |     |  |       |
| 17         | M17×1.0   |                   |          |                   |       |      |   |        |     |   |   |   |   |    |     |       |      |    |      |    |      |    |      |   |         |    |      |    |      |    |    |   |      |    |      |    |      |    |    |       |      |    |    |  |  |                 |     |  |  |  |       |   |   |     |         |   |   |   |   |     |     |      |     |       |         |       |           |       |              |       |                 |       |                    |       |                       |    |                             |   |     |      |   |        |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |  |            |   |      |     |       |      |       |       |       |       |       |       |       |       |       |       |  |     |       |  |  |    |    |    |    |     |   |     |  |      |      |   |     |        |       |   |     |  |       |       |   |     |        |       |   |     |  |      |       |   |     |        |       |    |     |        |       |    |     |  |       |
| 20         | M20×1.0   |                   |          |                   |       |      |   |        |     |   |   |   |   |    |     |       |      |    |      |    |      |    |      |   |         |    |      |    |      |    |    |   |      |    |      |    |      |    |    |       |      |    |    |  |  |                 |     |  |  |  |       |   |   |     |         |   |   |   |   |     |     |      |     |       |         |       |           |       |              |       |                 |       |                    |       |                       |    |                             |   |     |      |   |        |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |  |            |   |      |     |       |      |       |       |       |       |       |       |       |       |       |       |  |     |       |  |  |    |    |    |    |     |   |     |  |      |      |   |     |        |       |   |     |  |       |       |   |     |        |       |   |     |  |      |       |   |     |        |       |    |     |        |       |    |     |  |       |
| 25         | M25×1.5   |                   |          |                   |       |      |   |        |     |   |   |   |   |    |     |       |      |    |      |    |      |    |      |   |         |    |      |    |      |    |    |   |      |    |      |    |      |    |    |       |      |    |    |  |  |                 |     |  |  |  |       |   |   |     |         |   |   |   |   |     |     |      |     |       |         |       |           |       |              |       |                 |       |                    |       |                       |    |                             |   |     |      |   |        |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |  |            |   |      |     |       |      |       |       |       |       |       |       |       |       |       |       |  |     |       |  |  |    |    |    |    |     |   |     |  |      |      |   |     |        |       |   |     |  |       |       |   |     |        |       |   |     |  |      |       |   |     |        |       |    |     |        |       |    |     |  |       |
| 30         | M30×1.5   |                   |          |                   |       |      |   |        |     |   |   |   |   |    |     |       |      |    |      |    |      |    |      |   |         |    |      |    |      |    |    |   |      |    |      |    |      |    |    |       |      |    |    |  |  |                 |     |  |  |  |       |   |   |     |         |   |   |   |   |     |     |      |     |       |         |       |           |       |              |       |                 |       |                    |       |                       |    |                             |   |     |      |   |        |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |  |            |   |      |     |       |      |       |       |       |       |       |       |       |       |       |       |  |     |       |  |  |    |    |    |    |     |   |     |  |      |      |   |     |        |       |   |     |  |       |       |   |     |        |       |   |     |  |      |       |   |     |        |       |    |     |        |       |    |     |  |       |
| 35         | M35×1.5   |                   |          |                   |       |      |   |        |     |   |   |   |   |    |     |       |      |    |      |    |      |    |      |   |         |    |      |    |      |    |    |   |      |    |      |    |      |    |    |       |      |    |    |  |  |                 |     |  |  |  |       |   |   |     |         |   |   |   |   |     |     |      |     |       |         |       |           |       |              |       |                 |       |                    |       |                       |    |                             |   |     |      |   |        |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |  |            |   |      |     |       |      |       |       |       |       |       |       |       |       |       |       |  |     |       |  |  |    |    |    |    |     |   |     |  |      |      |   |     |        |       |   |     |  |       |       |   |     |        |       |   |     |  |      |       |   |     |        |       |    |     |        |       |    |     |  |       |
| 40         | M40×1.5   |                   |          |                   |       |      |   |        |     |   |   |   |   |    |     |       |      |    |      |    |      |    |      |   |         |    |      |    |      |    |    |   |      |    |      |    |      |    |    |       |      |    |    |  |  |                 |     |  |  |  |       |   |   |     |         |   |   |   |   |     |     |      |     |       |         |       |           |       |              |       |                 |       |                    |       |                       |    |                             |   |     |      |   |        |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |  |            |   |      |     |       |      |       |       |       |       |       |       |       |       |       |       |  |     |       |  |  |    |    |    |    |     |   |     |  |      |      |   |     |        |       |   |     |  |       |       |   |     |        |       |   |     |  |      |       |   |     |        |       |    |     |        |       |    |     |  |       |
| ZE=E, ZR=R | W   |                   |          |                   |       |      |   |        |     |   |   |   |   |    |     |       |      |    |      |    |      |    |      |   |         |    |      |    |      |    |    |   |      |    |      |    |      |    |    |       |      |    |    |  |  |                 |     |  |  |  |       |   |   |     |         |   |   |   |   |     |     |      |     |       |         |       |           |       |              |       |                 |       |                    |       |                       |    |                             |   |     |      |   |        |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |  |            |   |      |     |       |      |       |       |       |       |       |       |       |       |       |       |  |     |       |  |  |    |    |    |    |     |   |     |  |      |      |   |     |        |       |   |     |  |       |       |   |     |        |       |   |     |  |      |       |   |     |        |       |    |     |        |       |    |     |  |       |
| 6-10       | 5-8   |                   |          |                   |       |      |   |        |     |   |   |   |   |    |     |       |      |    |      |    |      |    |      |   |         |    |      |    |      |    |    |   |      |    |      |    |      |    |    |       |      |    |    |  |  |                 |     |  |  |  |       |   |   |     |         |   |   |   |   |     |     |      |     |       |         |       |           |       |              |       |                 |       |                    |       |                       |    |                             |   |     |      |   |        |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |  |            |   |      |     |       |      |       |       |       |       |       |       |       |       |       |       |  |     |       |  |  |    |    |    |    |     |   |     |  |      |      |   |     |        |       |   |     |  |       |       |   |     |        |       |   |     |  |      |       |   |     |        |       |    |     |        |       |    |     |  |       |
| 11-14      | 8-10  |                   |          |                   |       |      |   |        |     |   |   |   |   |    |     |       |      |    |      |    |      |    |      |   |         |    |      |    |      |    |    |   |      |    |      |    |      |    |    |       |      |    |    |  |  |                 |     |  |  |  |       |   |   |     |         |   |   |   |   |     |     |      |     |       |         |       |           |       |              |       |                 |       |                    |       |                       |    |                             |   |     |      |   |        |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |  |            |   |      |     |       |      |       |       |       |       |       |       |       |       |       |       |  |     |       |  |  |    |    |    |    |     |   |     |  |      |      |   |     |        |       |   |     |  |       |       |   |     |        |       |   |     |  |      |       |   |     |        |       |    |     |        |       |    |     |  |       |
| 15-19      | 10-14   |                   |          |                   |       |      |   |        |     |   |   |   |   |    |     |       |      |    |      |    |      |    |      |   |         |    |      |    |      |    |    |   |      |    |      |    |      |    |    |       |      |    |    |  |  |                 |     |  |  |  |       |   |   |     |         |   |   |   |   |     |     |      |     |       |         |       |           |       |              |       |                 |       |                    |       |                       |    |                             |   |     |      |   |        |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |  |            |   |      |     |       |      |       |       |       |       |       |       |       |       |       |       |  |     |       |  |  |    |    |    |    |     |   |     |  |      |      |   |     |        |       |   |     |  |       |       |   |     |        |       |   |     |  |      |       |   |     |        |       |    |     |        |       |    |     |  |       |
| 20-25      | 14-20   |                   |          |                   |       |      |   |        |     |   |   |   |   |    |     |       |      |    |      |    |      |    |      |   |         |    |      |    |      |    |    |   |      |    |      |    |      |    |    |       |      |    |    |  |  |                 |     |  |  |  |       |   |   |     |         |   |   |   |   |     |     |      |     |       |         |       |           |       |              |       |                 |       |                    |       |                       |    |                             |   |     |      |   |        |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |  |            |   |      |     |       |      |       |       |       |       |       |       |       |       |       |       |  |     |       |  |  |    |    |    |    |     |   |     |  |      |      |   |     |        |       |   |     |  |       |       |   |     |        |       |   |     |  |      |       |   |     |        |       |    |     |        |       |    |     |  |       |
| 26-30      | 19-24   |                   |          |                   |       |      |   |        |     |   |   |   |   |    |     |       |      |    |      |    |      |    |      |   |         |    |      |    |      |    |    |   |      |    |      |    |      |    |    |       |      |    |    |  |  |                 |     |  |  |  |       |   |   |     |         |   |   |   |   |     |     |      |     |       |         |       |           |       |              |       |                 |       |                    |       |                       |    |                             |   |     |      |   |        |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |  |            |   |      |     |       |      |       |       |       |       |       |       |       |       |       |       |  |     |       |  |  |    |    |    |    |     |   |     |  |      |      |   |     |        |       |   |     |  |       |       |   |     |        |       |   |     |  |      |       |   |     |        |       |    |     |        |       |    |     |  |       |
| 31-35      | 22-28   |                   |          |                   |       |      |   |        |     |   |   |   |   |    |     |       |      |    |      |    |      |    |      |   |         |    |      |    |      |    |    |   |      |    |      |    |      |    |    |       |      |    |    |  |  |                 |     |  |  |  |       |   |   |     |         |   |   |   |   |     |     |      |     |       |         |       |           |       |              |       |                 |       |                    |       |                       |    |                             |   |     |      |   |        |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |  |            |   |      |     |       |      |       |       |       |       |       |       |       |       |       |       |  |     |       |  |  |    |    |    |    |     |   |     |  |      |      |   |     |        |       |   |     |  |       |       |   |     |        |       |   |     |  |      |       |   |     |        |       |    |     |        |       |    |     |  |       |
| 36-40      | 26-30   |                   |          |                   |       |      |   |        |     |   |   |   |   |    |     |       |      |    |      |    |      |    |      |   |         |    |      |    |      |    |    |   |      |    |      |    |      |    |    |       |      |    |    |  |  |                 |     |  |  |  |       |   |   |     |         |   |   |   |   |     |     |      |     |       |         |       |           |       |              |       |                 |       |                    |       |                       |    |                             |   |     |      |   |        |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |  |            |   |      |     |       |      |       |       |       |       |       |       |       |       |       |       |  |     |       |  |  |    |    |    |    |     |   |     |  |      |      |   |     |        |       |   |     |  |       |       |   |     |        |       |   |     |  |      |       |   |     |        |       |    |     |        |       |    |     |  |       |
| V/R        | 轴键槽尺寸   |                   |          | r1                |       |      |   |        |     |   |   |   |   |    |     |       |      |    |      |    |      |    |      |   |         |    |      |    |      |    |    |   |      |    |      |    |      |    |    |       |      |    |    |  |  |                 |     |  |  |  |       |   |   |     |         |   |   |   |   |     |     |      |     |       |         |       |           |       |              |       |                 |       |                    |       |                       |    |                             |   |     |      |   |        |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |  |            |   |      |     |       |      |       |       |       |       |       |       |       |       |       |       |  |     |       |  |  |    |    |    |    |     |   |     |  |      |      |   |     |        |       |   |     |  |       |       |   |     |        |       |   |     |  |      |       |   |     |        |       |    |     |        |       |    |     |  |       |
|            | b1  | t1                | 公差       |                   |       |      |   |        |     |   |   |   |   |    |     |       |      |    |      |    |      |    |      |   |         |    |      |    |      |    |    |   |      |    |      |    |      |    |    |       |      |    |    |  |  |                 |     |  |  |  |       |   |   |     |         |   |   |   |   |     |     |      |     |       |         |       |           |       |              |       |                 |       |                    |       |                       |    |                             |   |     |      |   |        |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |  |            |   |      |     |       |      |       |       |       |       |       |       |       |       |       |       |  |     |       |  |  |    |    |    |    |     |   |     |  |      |      |   |     |        |       |   |     |  |       |       |   |     |        |       |   |     |  |      |       |   |     |        |       |    |     |        |       |    |     |  |       |
| 6-7        | 2   | 1.2               |          | 0.08              |       |      |   |        |     |   |   |   |   |    |     |       |      |    |      |    |      |    |      |   |         |    |      |    |      |    |    |   |      |    |      |    |      |    |    |       |      |    |    |  |  |                 |     |  |  |  |       |   |   |     |         |   |   |   |   |     |     |      |     |       |         |       |           |       |              |       |                 |       |                    |       |                       |    |                             |   |     |      |   |        |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |  |            |   |      |     |       |      |       |       |       |       |       |       |       |       |       |       |  |     |       |  |  |    |    |    |    |     |   |     |  |      |      |   |     |        |       |   |     |  |       |       |   |     |        |       |   |     |  |      |       |   |     |        |       |    |     |        |       |    |     |  |       |
| 8-10       | 3   | 1.8               | -0.029   |                   |       |      |   |        |     |   |   |   |   |    |     |       |      |    |      |    |      |    |      |   |         |    |      |    |      |    |    |   |      |    |      |    |      |    |    |       |      |    |    |  |  |                 |     |  |  |  |       |   |   |     |         |   |   |   |   |     |     |      |     |       |         |       |           |       |              |       |                 |       |                    |       |                       |    |                             |   |     |      |   |        |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |  |            |   |      |     |       |      |       |       |       |       |       |       |       |       |       |       |  |     |       |  |  |    |    |    |    |     |   |     |  |      |      |   |     |        |       |   |     |  |       |       |   |     |        |       |   |     |  |      |       |   |     |        |       |    |     |        |       |    |     |  |       |
| 11-12      | 4   | 3.0               |          | -0.16             |       |      |   |        |     |   |   |   |   |    |     |       |      |    |      |    |      |    |      |   |         |    |      |    |      |    |    |   |      |    |      |    |      |    |    |       |      |    |    |  |  |                 |     |  |  |  |       |   |   |     |         |   |   |   |   |     |     |      |     |       |         |       |           |       |              |       |                 |       |                    |       |                       |    |                             |   |     |      |   |        |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |  |            |   |      |     |       |      |       |       |       |       |       |       |       |       |       |       |  |     |       |  |  |    |    |    |    |     |   |     |  |      |      |   |     |        |       |   |     |  |       |       |   |     |        |       |   |     |  |      |       |   |     |        |       |    |     |        |       |    |     |  |       |
| 13-17      | 5   | 4.0               | +0.030   |                   |       |      |   |        |     |   |   |   |   |    |     |       |      |    |      |    |      |    |      |   |         |    |      |    |      |    |    |   |      |    |      |    |      |    |    |       |      |    |    |  |  |                 |     |  |  |  |       |   |   |     |         |   |   |   |   |     |     |      |     |       |         |       |           |       |              |       |                 |       |                    |       |                       |    |                             |   |     |      |   |        |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |  |            |   |      |     |       |      |       |       |       |       |       |       |       |       |       |       |  |     |       |  |  |    |    |    |    |     |   |     |  |      |      |   |     |        |       |   |     |  |       |       |   |     |        |       |   |     |  |      |       |   |     |        |       |    |     |        |       |    |     |  |       |
| 18-22      | 6   | 3.5               |          | 0.16              |       |      |   |        |     |   |   |   |   |    |     |       |      |    |      |    |      |    |      |   |         |    |      |    |      |    |    |   |      |    |      |    |      |    |    |       |      |    |    |  |  |                 |     |  |  |  |       |   |   |     |         |   |   |   |   |     |     |      |     |       |         |       |           |       |              |       |                 |       |                    |       |                       |    |                             |   |     |      |   |        |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |  |            |   |      |     |       |      |       |       |       |       |       |       |       |       |       |       |  |     |       |  |  |    |    |    |    |     |   |     |  |      |      |   |     |        |       |   |     |  |       |       |   |     |        |       |   |     |  |      |       |   |     |        |       |    |     |        |       |    |     |  |       |
| 23-30      | 8   | 4.0               | -0.036   |                   |       |      |   |        |     |   |   |   |   |    |     |       |      |    |      |    |      |    |      |   |         |    |      |    |      |    |    |   |      |    |      |    |      |    |    |       |      |    |    |  |  |                 |     |  |  |  |       |   |   |     |         |   |   |   |   |     |     |      |     |       |         |       |           |       |              |       |                 |       |                    |       |                       |    |                             |   |     |      |   |        |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |  |            |   |      |     |       |      |       |       |       |       |       |       |       |       |       |       |  |     |       |  |  |    |    |    |    |     |   |     |  |      |      |   |     |        |       |   |     |  |       |       |   |     |        |       |   |     |  |      |       |   |     |        |       |    |     |        |       |    |     |  |       |
| 31-38      | 10  | 5.0               | +0.043   |                   |       |      |   |        |     |   |   |   |   |    |     |       |      |    |      |    |      |    |      |   |         |    |      |    |      |    |    |   |      |    |      |    |      |    |    |       |      |    |    |  |  |                 |     |  |  |  |       |   |   |     |         |   |   |   |   |     |     |      |     |       |         |       |           |       |              |       |                 |       |                    |       |                       |    |                             |   |     |      |   |        |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |  |            |   |      |     |       |      |       |       |       |       |       |       |       |       |       |       |  |     |       |  |  |    |    |    |    |     |   |     |  |      |      |   |     |        |       |   |     |  |       |       |   |     |        |       |   |     |  |      |       |   |     |        |       |    |     |        |       |    |     |  |       |
| 39-40      | 12  | 5.0               |          | -0.40             |       |      |   |        |     |   |   |   |   |    |     |       |      |    |      |    |      |    |      |   |         |    |      |    |      |    |    |   |      |    |      |    |      |    |    |       |      |    |    |  |  |                 |     |  |  |  |       |   |   |     |         |   |   |   |   |     |     |      |     |       |         |       |           |       |              |       |                 |       |                    |       |                       |    |                             |   |     |      |   |        |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |    |         |  |            |   |      |     |       |      |       |       |       |       |       |       |       |       |       |       |  |     |       |  |  |    |    |    |    |     |   |     |  |      |      |   |     |        |       |   |     |  |       |       |   |     |        |       |   |     |  |      |       |   |     |        |       |    |     |        |       |    |     |  |       |

丝杠相关零件  
E5

请按图示订货

| 型号    | D  | L        | F-G-S                                     | V-R选择         | E               | X            |
|-------|----|----------|---|---------------|-----------------|--------------|
| LJF22 | 14 | 70~1000  | 3 ≤ F ≤ E×8<br>3 ≤ G ≤ V×8<br>3 ≤ S ≤ R×8 | 8 9 10        | V/2 ≤ E ≤ V-1.5 | 请根据使用要求指定尺寸。 |
| LJF26 | 16 | 80~1200  | 3 ≤ F ≤ E×8<br>3 ≤ G ≤ V×8<br>3 ≤ S ≤ R×8 | 8 9 10 12     | V/2 ≤ E ≤ V-1.5 | 请根据使用要求指定尺寸。 |
| LJF26 | 20 | 120~1200 | 3 ≤ F ≤ E×8<br>3 ≤ G ≤ V×8<br>3 ≤ S ≤ R×8 | 9 10 12 14 15 | V/2 ≤ E ≤ V-1.5 | 请根据使用要求指定尺寸。 |

LJF22-D14-L150-F15-G10-S20-V10-R10-E12-X50

可选加工

| 型号    | D  | L        | F-G-S                                     | V-R选择         | E               | X            | 可选加工代码     |
|-------|----|----------|---|---------------|-----------------|--------------|------------|
| LJF22 | 14 | 70~1000  | 3 ≤ F ≤ E×8<br>3 ≤ G ≤ V×8<br>3 ≤ S ≤ R×8 | 8 9 10        | V/2 ≤ E ≤ V-1.5 | 请根据使用要求指定尺寸。 | BV AR(...) |
| LJF26 | 16 | 80~1200  | 3 ≤ F ≤ E×8<br>3 ≤ G ≤ V×8<br>3 ≤ S ≤ R×8 | 8 9 10 12     | V/2 ≤ E ≤ V-1.5 | 请根据使用要求指定尺寸。 | BV AR(...) |
| LJF26 | 20 | 120~1200 | 3 ≤ F ≤ E×8<br>3 ≤ G ≤ V×8<br>3 ≤ S ≤ R×8 | 9 10 12 14 15 | V/2 ≤ E ≤ V-1.5 | 请根据使用要求指定尺寸。 | BV AR(...) |

LJF22-D14-L150-F15-G10-S20-V10-R10-E12-X50-BV10



● 优惠价  
数量 1~4 5~  
价格 100% 另行报价  
未税价(元)



交货期  
10