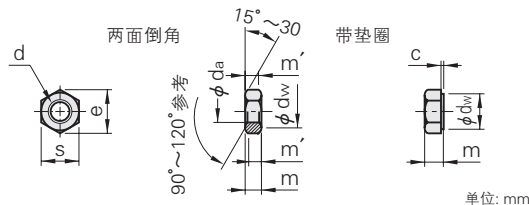


# 【技术参数】 六角螺帽 节选自JIS B 1181(1995) 开口销 节选自JIS B 1351(1987)

## 1. 六角螺帽 I 型(零件等级A) 的形状、尺寸



单位: mm

| 螺纹的公称尺寸d  | M2              | M3        | M4        | M5        | M6        | M8        | M10       | M12       | (M14)     | M16       |
|-----------|-----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 螺距P       | 0.4             | 0.5       | 0.7       | 0.8       | 1         | 1.25      | 1.5       | 1.75      | 2         | 2         |
| c         | 最大<br>0.2       | 最大<br>0.4 | 最大<br>0.4 | 最大<br>0.5 | 最大<br>0.5 | 最大<br>0.6 | 最大<br>0.6 | 最大<br>0.6 | 最大<br>0.6 | 最大<br>0.8 |
| 最小<br>0.1 | 0.15            | 0.15      | 0.15      | 0.15      | 0.15      | 0.15      | 0.15      | 0.15      | 0.15      | 0.2       |
| da        | 最小<br>2         | 3         | 4         | 5         | 6         | 8         | 10        | 12        | 14        | 16        |
| da        | 最大<br>2.3       | 3.45      | 4.6       | 5.75      | 6.75      | 8.75      | 10.8      | 13        | 15.1      | 17.3      |
| dw        | 最小<br>3.07      | 4.6       | 5.9       | 6.9       | 8.9       | 11.6      | 14.6      | 16.6      | 19.6      | 22.5      |
| e         | 最小<br>4.32      | 6.01      | 7.66      | 8.79      | 11.05     | 14.38     | 17.77     | 20.03     | 23.35     | 26.75     |
| m         | 最大(基准尺寸)<br>1.6 | 2.4       | 3.2       | 4.7       | 5.2       | 6.8       | 8.4       | 10.8      | 12.8      | 14.8      |
| m         | 最小<br>1.35      | 2.15      | 2.9       | 4.4       | 4.9       | 6.44      | 8.04      | 10.37     | 12.1      | 14.1      |
| m'        | 最小<br>1.08      | 1.72      | 2.32      | 3.52      | 3.92      | 5.15      | 6.43      | 8.3       | 9.68      | 11.28     |
| s         | 最大(基准尺寸)<br>4   | 5.5       | 7         | 8         | 10        | 13        | 16        | 18        | 21        | 24        |
| s         | 最小<br>3.82      | 5.32      | 6.78      | 7.78      | 9.78      | 12.73     | 15.73     | 17.73     | 20.67     | 23.67     |

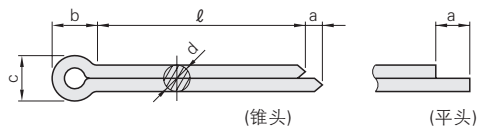
备注 1. 尽量不使用带有括号的螺纹公称尺寸。

2. 除非指定, 否则, 螺帽的形状均进行两面倒角处理, 是否带垫圈要根据订货方的指定。

另外, 带垫圈的螺纹部的倒角处理以“两面倒角处理”为准。

※现在流通的六角螺栓、六角螺帽M10、M12的对边S也有依据旧JIS标准的规格。

## 3. 开口销的形状、尺寸



单位: mm

| 公称直径        | 0.6         | 0.8       | 1         | 1.2       | 1.6       | 2         | 2.5       | 3.2       | 4         | 5         | 6.3       | 8         | 10        | 13        | 16        | 20        |
|-------------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| d           | 基准尺寸<br>0.5 | 0.7       | 0.9       | 1         | 1.4       | 1.8       | 2.3       | 2.9       | 3.7       | 4.6       | 5.9       | 7.5       | 9.5       | 12.4      | 15.4      | 19.3      |
| 容差          | 0<br>-0.1   | 0<br>-0.2 | 0<br>-0.3 | 0<br>-0.4 | 0<br>-0.6 | 0<br>-0.7 | 0<br>-0.9 | 0<br>-1.2 | 0<br>-1.5 | 0<br>-1.9 | 0<br>-2.4 | 0<br>-3.1 | 0<br>-3.8 | 0<br>-4.8 | 0<br>-5.8 | 0<br>-6.8 |
| c           | 基准尺寸<br>1   | 1.4       | 1.8       | 2         | 2.8       | 3.6       | 4.6       | 5.8       | 7.4       | 9.2       | 11.8      | 15        | 19        | 24.8      | 30.8      | 38.6      |
| 容差          | 0<br>-0.1   | 0<br>-0.2 | 0<br>-0.3 | 0<br>-0.4 | 0<br>-0.6 | 0<br>-0.7 | 0<br>-0.9 | 0<br>-1.2 | 0<br>-1.5 | 0<br>-1.9 | 0<br>-2.4 | 0<br>-3.1 | 0<br>-3.8 | 0<br>-4.8 | 0<br>-5.8 | 0<br>-6.8 |
| b           | 约<br>2      | 2.4       | 3         | 3         | 3.2       | 4         | 5         | 6.4       | 8         | 10        | 12.6      | 16        | 20        | 26        | 32        | 40        |
| a           | 约<br>1.6    | 1.6       | 1.6       | 2.5       | 2.5       | 2.5       | 2.5       | 3.2       | 4         | 4         | 4         | 4         | 6.3       | 6.3       | 6.3       | 6.3       |
| 螺<br>栓      | 大于<br>2.5   | 2.5       | 3.5       | 4.5       | 5.5       | 7         | 9         | 11        | 14        | 20        | 27        | 39        | 56        | 80        | 120       | 170       |
| U<br>夹      | 至<br>2.5    | 2.5       | 3.5       | 4.5       | 5.5       | 7         | 9         | 11        | 14        | 20        | 27        | 39        | 56        | 80        | 120       | 170       |
| 形<br>销      | 至<br>2      | 2         | 3         | 4         | 5         | 6         | 8         | 9         | 12        | 17        | 23        | 29        | 44        | 69        | 110       | 160       |
| 销<br>孔<br>径 | (备注)<br>0.6 | 0.8       | 1         | 1.2       | 1.6       | 2         | 2.5       | 3.2       | 4         | 5         | 6.3       | 8         | 10        | 13        | 16        | 20        |
| 4           |             |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 5           |             |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 6           |             |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 8           |             |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 10          |             |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 12          |             |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 14          |             |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 16          |             |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 18          |             |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 20          |             |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 22          |             |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 25          |             |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 28          |             |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 32          |             |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 36          |             |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 40          |             |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 45          |             |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 50          |             |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 56          |             |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 63          |             |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 71          |             |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 80          |             |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 90          |             |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 100         |             |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 112         |             |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 125         |             |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 140         |             |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 160         |             |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 180         |             |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 200         |             |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 224         |             |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 250         |             |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 280         |             |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |

备注 1. 公称直径取决于销孔径。

2. d表示从前端到  $l/2$  之间的值。

3. 前端形状可为锥头或平头。请根据需要进行指定。

4. 长度( $l$ )位于粗线框内, 框内的数值表示其容差。另外, 需要此表以外的 $r$ 时, 请订货方指定。

5. 头部不得明显偏离轴心。