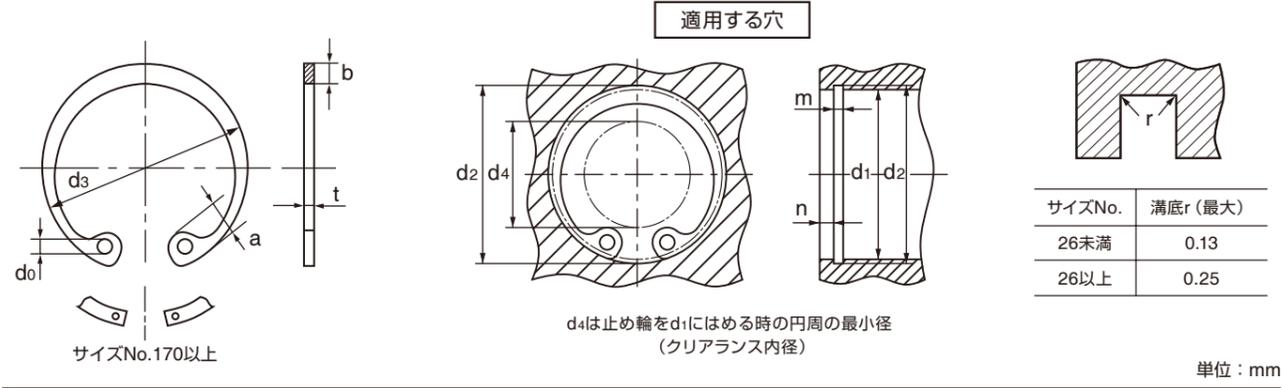


# 穴用C形止め輪 [RTW-6~65]



| サイズ No. | 止め輪            |       |      |       |     |     | 適用する穴          |                     |                |                |       |      |       |     |
|---------|----------------|-------|------|-------|-----|-----|----------------|---------------------|----------------|----------------|-------|------|-------|-----|
|         | d <sub>3</sub> |       | t    |       | b   | a   | d <sub>0</sub> | d <sub>4</sub> (参考) | d <sub>1</sub> | d <sub>2</sub> |       | m    |       | 参考n |
|         | 基本寸法           | 公差    | 基本寸法 | 公差    |     |     |                |                     |                | 基本寸法           | 公差    | 基本寸法 | 公差    |     |
| RTW- 6  | 6.7            |       | 0.4  |       | 0.7 | 1.6 | 0.8            | 2.5                 | 6              | 6.25           | +0.04 | 0.5  |       | 0.5 |
| 7       | 7.7            |       | 0.4  | ±0.03 | 0.8 | 1.7 | 0.8            | 3                   | 7              | 7.3            |       | 0.5  |       | 0.5 |
| 8       | 8.8            |       | 0.4  |       | 0.9 | 1.7 | 0.8            | 3.5                 | 8              | 8.4            | +0.06 | 0.5  |       | 0.6 |
| 9       | 9.8            |       | 0.6  | ±0.04 | 1.1 | 2.2 | 0.8            | 4                   | 9              | 9.4            | 0     | 0.7  |       | 0.6 |
| 10      | 10.7           |       | 1    |       | 1.5 | 2.8 | 1.2            | 4                   | 10             | 10.4           |       | 1.15 |       | 0.6 |
| 11      | 11.8           | ±0.18 | 1    |       | 1.5 | 3   | 1.2            | 4                   | 11             | 11.4           |       | 1.15 |       | 0.6 |
| 12      | 13             |       | 1    |       | 1.7 | 3.1 | 1.5            | 5                   | 12             | 12.5           |       | 1.15 |       | 0.8 |
| 13      | 14.1           |       | 1    |       | 1.7 | 3.1 | 1.5            | 6                   | 13             | 13.6           | +0.11 | 1.15 |       | 0.9 |
| 14      | 15.1           |       | 1    |       | 1.9 | 3.6 | 1.7            | 6.4                 | 14             | 14.6           | 0     | 1.15 |       | 0.9 |
| 15      | 16.2           |       | 1    |       | 1.9 | 3.6 | 1.7            | 7.4                 | 15             | 15.7           |       | 1.15 |       | 1.1 |
| 16      | 17.3           |       | 1    | ±0.05 | 1.9 | 3.7 | 1.7            | 8                   | 16             | 16.8           |       | 1.15 |       | 1.2 |
| 17      | 18.3           |       | 1    |       | 1.9 | 3.8 | 1.7            | 9                   | 17             | 17.8           |       | 1.15 |       | 1.2 |
| 18      | 19.5           |       | 1    |       | 2.4 | 4   | 1.7            | 10                  | 18             | 19             |       | 1.15 |       | 1.5 |
| 19      | 20.5           |       | 1    |       | 2.5 | 4   | 2              | 11                  | 19             | 20             |       | 1.15 |       | 1.5 |
| 20      | 21.5           |       | 1    |       | 2.5 | 4   | 2              | 12                  | 20             | 21             |       | 1.15 |       | 1.5 |
| 21      | 22.5           | ±0.2  | 1    |       | 2.5 | 4.1 | 2              | 12                  | 21             | 22             | +0.21 | 1.15 |       | 1.5 |
| 22      | 23.5           |       | 1    |       | 2.5 | 4.1 | 2              | 13                  | 22             | 23             | 0     | 1.15 |       | 1.5 |
| 24      | 25.9           |       | 1.2  |       | 2.5 | 4.3 | 2              | 15                  | 24             | 25.2           |       | 1.35 |       | 1.8 |
| 25      | 26.9           |       | 1.2  |       | 3   | 4.4 | 2              | 16                  | 25             | 26.2           |       | 1.35 |       | 1.8 |
| 26      | 27.9           |       | 1.2  |       | 3   | 4.6 | 2              | 16                  | 26             | 27.2           |       | 1.35 |       | 1.8 |
| 27      | 29.1           |       | 1.2  |       | 3   | 4.6 | 2              | 17                  | 27             | 28.4           |       | 1.35 |       | 2.1 |
| 28      | 30.1           |       | 1.2  |       | 3   | 4.6 | 2              | 18                  | 28             | 29.4           |       | 1.35 |       | 2.1 |
| 30      | 32.1           |       | 1.2  |       | 3   | 4.7 | 2              | 20                  | 30             | 31.4           |       | 1.35 |       | 2.1 |
| 32      | 34.4           | ±0.25 | 1.2  | ±0.06 | 3.5 | 5.2 | 2.5            | 21                  | 32             | 33.7           |       | 1.35 | +0.14 | 2.6 |
| 34      | 36.5           |       | 1.5  |       | 3.5 | 5.2 | 2.5            | 23                  | 34             | 35.7           |       | 1.65 | 0     | 2.6 |
| 35      | 37.8           |       | 1.5  |       | 3.5 | 5.2 | 2.5            | 24                  | 35             | 37             |       | 1.65 |       | 3.0 |
| 36      | 38.8           |       | 1.5  |       | 3.5 | 5.2 | 2.5            | 25                  | 36             | 38             |       | 1.65 |       | 3.0 |
| 37      | 39.8           |       | 1.5  |       | 3.5 | 5.2 | 2.5            | 26                  | 37             | 39             | +0.25 | 1.65 |       | 3.0 |
| 38      | 40.8           |       | 1.5  |       | 4   | 5.3 | 2.5            | 27                  | 38             | 40             | 0     | 1.65 |       | 3.3 |
| 40      | 43.5           | ±0.4  | 1.75 |       | 4   | 5.7 | 2.5            | 28                  | 40             | 42.5           |       | 1.9  |       | 3.8 |
| 42      | 45.5           |       | 1.75 |       | 4   | 5.8 | 2.5            | 30                  | 42             | 44.5           |       | 1.9  |       | 3.8 |
| 45      | 48.5           |       | 1.75 |       | 4.5 | 5.9 | 2.5            | 33                  | 45             | 47.5           |       | 1.9  |       | 3.8 |
| 46      | 49.7           |       | 1.75 |       | 5   | 6.1 | 2.5            | 33                  | 46             | 48.5           |       | 1.9  |       | 3.8 |
| 47      | 50.5           |       | 1.75 |       | 4.5 | 6.1 | 2.5            | 34                  | 47             | 49.5           |       | 1.9  |       | 3.8 |
| 48      | 51.5           |       | 1.75 |       | 4.5 | 6.2 | 2.5            | 35                  | 48             | 50.5           |       | 1.9  |       | 4.5 |
| 50      | 54.2           |       | 2    | ±0.07 | 4.5 | 6.5 | 2.5            | 37                  | 50             | 53             |       | 2.2  |       | 4.5 |
| 52      | 56.2           |       | 2    |       | 5.1 | 6.5 | 2.5            | 39                  | 52             | 55             |       | 2.2  |       | 4.5 |
| 55      | 59.2           |       | 2    |       | 5.1 | 6.5 | 2.5            | 41                  | 55             | 58             |       | 2.2  |       | 4.5 |
| 56      | 60.2           | ±0.45 | 2    |       | 5.1 | 6.6 | 2.5            | 42                  | 56             | 59             | +0.3  | 2.2  |       | 4.5 |
| 58      | 62.2           |       | 2    |       | 5.1 | 6.8 | 2.5            | 44                  | 58             | 61             | 0     | 2.2  |       | 4.5 |
| 60      | 64.2           |       | 2    |       | 5.5 | 6.8 | 2.5            | 46                  | 60             | 63             |       | 2.2  |       | 4.5 |
| 62      | 66.2           |       | 2    |       | 5.5 | 6.9 | 2.5            | 48                  | 62             | 65             |       | 2.2  |       | 4.5 |
| 63      | 67.2           |       | 2    |       | 5.5 | 6.9 | 2.5            | 49                  | 63             | 66             |       | 2.2  |       | 4.5 |
| 65      | 69.2           |       | 2.5  | ±0.08 | 5.5 | 7   | 2.5            | 50                  | 65             | 68             |       | 2.7  |       | 4.5 |

# 穴用C形止め輪 [RTW-68~300]



単位: mm

| サイズ No. | 止め輪            |       |      |       |      |      | d <sub>4</sub> (参考) | 適用する穴          |                |                |       |     |       |      |
|---------|----------------|-------|------|-------|------|------|---------------------|----------------|----------------|----------------|-------|-----|-------|------|
|         | d <sub>3</sub> |       | t    |       | b    | a    |                     | d <sub>0</sub> | d <sub>1</sub> | d <sub>2</sub> |       | m   | 参考n   |      |
|         | 基本寸法           | 公差    | 基本寸法 | 公差    |      |      |                     |                |                | 基本寸法           | 公差    |     |       | 基本寸法 |
| RTW- 68 | 72.5           |       | 2.5  |       | 6    | 7.4  | 2.5                 | 53             | 68             | 71             |       | 2.7 |       | 4.5  |
| 70      | 74.5           | ±0.45 | 2.5  |       | 6    | 7.4  | 2.5                 | 55             | 70             | 73             | +0.3  | 2.7 |       | 4.5  |
| 72      | 76.5           |       | 2.5  |       | 6.6  | 7.4  | 2.5                 | 57             | 72             | 75             | 0     | 2.7 |       | 4.5  |
| 75      | 79.5           |       | 2.5  |       | 6.6  | 7.8  | 2.5                 | 59.2           | 75             | 78             |       | 2.7 | +0.14 | 4.5  |
| 78      | 82.5           |       | 2.5  | ±0.08 | 6.6  | 8    | 2.5                 | 62             | 78             | 81             |       | 2.7 | 0     | 4.5  |
| 80      | 85.5           |       | 2.5  |       | 7    | 8    | 2.5                 | 64             | 80             | 83.5           |       | 2.7 |       | 5.3  |
| 82      | 87.5           |       | 2.5  |       | 7    | 8    | 3                   | 66             | 82             | 85.5           |       | 2.7 |       | 5.3  |
| 85      | 90.5           |       | 3    |       | 7    | 8    | 3                   | 69             | 85             | 88.5           |       | 3.2 |       | 5.3  |
| 88      | 93.5           |       | 3    |       | 7.6  | 8.2  | 3                   | 71             | 88             | 91.5           | +0.35 | 3.2 |       | 5.3  |
| 90      | 95.5           |       | 3    |       | 7.6  | 8.3  | 3                   | 73             | 90             | 93.5           | 0     | 3.2 |       | 5.3  |
| 92      | 97.5           |       | 3    |       | 8    | 8.3  | 3                   | 74             | 92             | 95.5           |       | 3.2 |       | 5.3  |
| 95      | 100.5          | ±0.55 | 3    |       | 8    | 8.5  | 3                   | 77             | 95             | 98.5           |       | 3.2 |       | 5.3  |
| 98      | 103.5          |       | 3    |       | 8.3  | 8.7  | 3                   | 80             | 98             | 101.5          |       | 3.2 |       | 5.3  |
| 100     | 105.5          |       | 3    |       | 8.3  | 8.8  | 3                   | 82             | 100            | 103.5          |       | 3.2 | +0.18 | 5.3  |
| 102     | 108            |       | 4    |       | 8.9  | 9    | 3                   | 83             | 102            | 106            |       | 4.2 | 0     | 6.0  |
| 105     | 112            |       | 4    |       | 8.9  | 9.1  | 3                   | 86             | 105            | 109            |       | 4.2 |       | 6.0  |
| 108     | 115            |       | 4    |       | 8.9  | 9.5  | 3                   | 87             | 108            | 112            | +0.54 | 4.2 |       | 6.0  |
| 110     | 117            |       | 4    |       | 8.9  | 10.2 | 3                   | 89             | 110            | 114            | 0     | 4.2 |       | 6.0  |
| 112     | 119            |       | 4    |       | 8.9  | 10.2 | 3                   | 90             | 112            | 116            |       | 4.2 |       | 6.0  |
| 115     | 122            |       | 4    |       | 9.5  | 10.2 | 3                   | 94             | 115            | 119            |       | 4.2 |       | 6.0  |
| 120     | 127            | ±0.65 | 4    |       | 9.5  | 10.7 | 3                   | 98             | 120            | 124            |       | 4.2 |       | 6.0  |
| 125     | 132            |       | 4    |       | 10   | 10.7 | 3.5                 | 103            | 125            | 129            |       | 4.2 |       | 6.0  |
| 130     | 137            |       | 4    |       | 10   | 10.7 | 3.5                 | 108            | 130            | 134            |       | 4.2 |       | 6.0  |
| 135     | 142            |       | 4    |       | 10.8 | 11   | 3.5                 | 113            | 135            | 139            |       | 4.2 |       | 6.0  |
| 140     | 147            |       | 4    |       | 10.8 | 11   | 3.5                 | 118            | 140            | 144            |       | 4.2 |       | 6.0  |
| 145     | 152            |       | 4    |       | 10.8 | 11   | 3.5                 | 123            | 145            | 149            | +0.63 | 4.2 |       | 6.0  |
| 150     | 158            | +1.26 | 4    |       | 11.5 | 11.8 | 3.5                 | 126            | 150            | 155            | 0     | 4.2 |       | 7.5  |
| 155     | 164            | -0.63 | 4    |       | 11.5 | 11.8 | 3.5                 | 130            | 155            | 160            |       | 4.2 |       | 7.5  |
| 160     | 169            |       | 4    |       | 12   | 12.5 | 3.5                 | 134            | 160            | 165            |       | 4.2 | +0.2  | 7.5  |
| 165     | 174.5          |       | 4    |       | 12   | 12.7 | 3.5                 | 139            | 165            | 170            |       | 4.2 | 0     | 7.5  |
| 170     | 179.5          |       | 4    |       | 12   | -    | 3.5                 | 145            | 170            | 175            |       | 4.2 |       | 7.5  |
| 175     | 184.5          |       | 4    |       | 12.5 | -    | 3.5                 | 149            | 175            | 180            |       | 4.2 |       | 7.5  |
| 180     | 189.5          |       | 4    |       | 13   | -    | 4                   | 153            | 180            | 185            |       | 4.2 |       | 7.5  |
| 185     | 194.5          |       | 4    |       | 13.5 | -    | 4                   | 157            | 185            | 190            |       | 4.2 |       | 7.5  |
| 190     | 199.5          | +1.44 | 4    |       | 13.5 | -    | 4                   | 162            | 190            | 195            |       | 4.2 |       | 7.5  |
| 195     | 204.5          | -0.72 | 4    |       | 13.5 | -    | 4                   | 167            | 195            | 200            | +0.72 | 4.2 |       | 7.5  |
| 200     | 209.5          |       | 4    |       | 14   | -    | 4                   | 171            | 200            | 205            | 0     | 4.2 |       | 7.5  |
| 210     | 222            |       | 5    |       | 14   | -    | 4                   | 181            | 210            | 216            |       | 5.2 |       | 9.0  |
| 220     | 232            |       | 5    |       | 14   | -    | 4                   | 191            | 220            | 226            |       | 5.2 |       | 9.0  |
| 230     | 242            |       | 5    |       | 14   | -    | 4                   | 201            | 230            | 236            |       | 5.2 |       | 9.0  |
| 240     | 252            |       | 5    |       | 14   | -    | 4                   | 211            | 240            | 246            |       | 5.2 |       | 9.0  |
| 250     | 262            |       | 5    |       | 14   | -    | 4                   | 221            | 250            | 256            |       | 5.2 | +0.25 | 9.0  |
| 260     | 275            | +1.62 | 5    |       | 16   | -    | 4                   | 227            | 260            | 268            |       | 5.2 | 0     | 12.0 |
| 270     | 285            | -0.81 | 5    |       | 16   | -    | 4                   | 237            | 270            | 278            | +0.81 | 5.2 |       | 12.0 |
| 280     | 295            |       | 5    |       | 16   | -    | 4                   | 247            | 280            | 288            | 0     | 5.2 |       | 12.0 |
| 290     | 305            |       | 5    |       | 16   | -    | 4                   | 257            | 290            | 298            |       | 5.2 |       | 12.0 |
| 300     | 315            |       | 5    |       | 16   | -    | 4                   | 267            | 300            | 308            |       | 5.2 |       | 12.0 |

材質:ばね用鋼 ・ RTW-200まで  
 硬さ:44~53HRC 表面処理:ACP(磷酸塩被膜)  
 ・ RTW-210以上  
 硬さ:40~50HRC 表面処理:ACP(磷酸塩被膜)

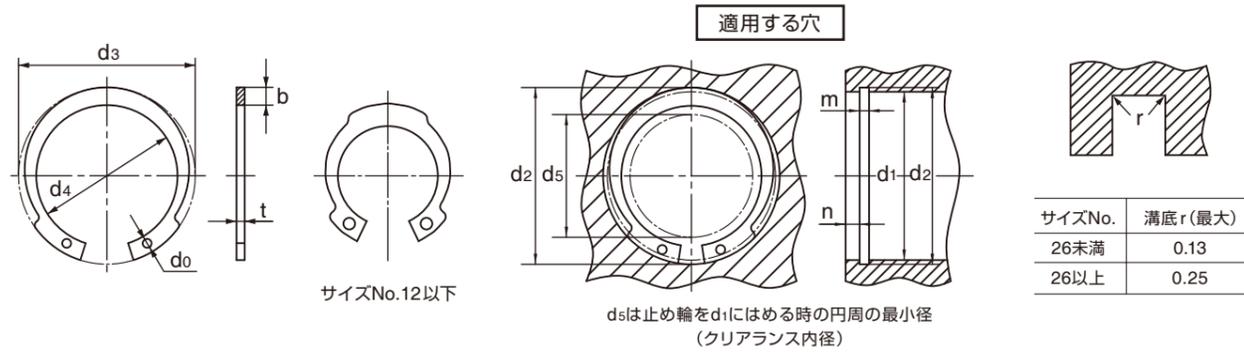
<注意点>

市場性の無い製品は在庫が無い場合があります。ご採用の際は事前にご確認ください。

止め輪 | フォッショネット | ウェーブワッシャー | ねじ式スピンナット | スクリンゲージ | スチールピン | スチールピン | クイッククランプ



# 丸R形止め輪



単位: mm

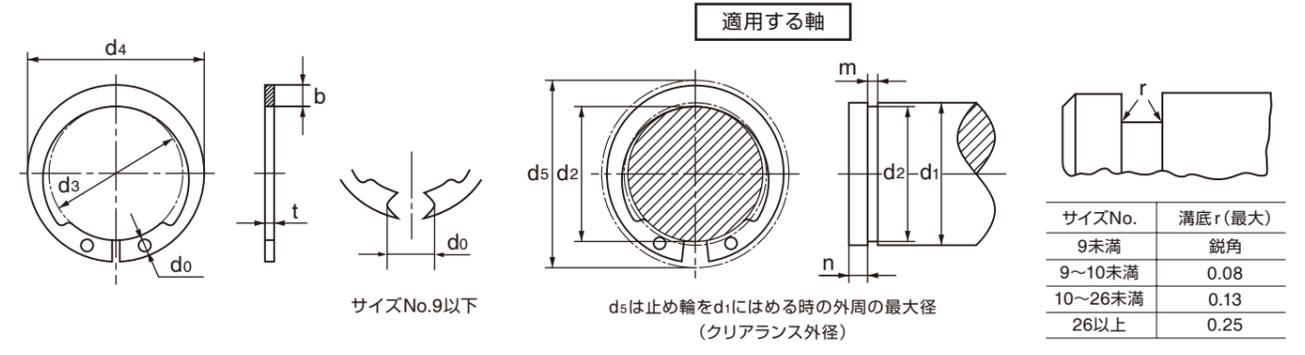
| サイズ No. | 止め輪   |       |         |      |       |     |      | 適用する穴 |      |      |      |       |      |       |       |
|---------|-------|-------|---------|------|-------|-----|------|-------|------|------|------|-------|------|-------|-------|
|         | d3    |       | d4 (参考) | t    |       | b   | d0   | 公差    | d5   | d1   | d2   |       | m    |       | n     |
|         | 基本寸法  | 公差    |         | 基本寸法 | 公差    |     |      |       |      |      | 基本寸法 | 公差    | 基本寸法 | 公差    |       |
| IRTW-10 | 11.1  |       | 7.7     | 1    |       | 1.7 | 0.9  |       | 5.9  | 10   | 10.4 |       | 1.15 |       | 1.5   |
| 11      | 12.2  |       | 8.6     | 1    |       | 1.8 | 0.9  |       | 6.6  | 11   | 11.4 |       | 1.15 |       | 1.5   |
| 12      | 13.3  |       | 9.7     | 1    |       | 1.8 | 0.9  |       | 7.6  | 12   | 12.5 |       | 1.15 |       | 1.5   |
| 13      | 14.1  | ±0.18 | 10.9    | 1    |       | 1.6 | 0.9  |       | 9    | 13   | 13.6 | +0.11 | 1.15 |       | 1.5   |
| 14      | 15.1  |       | 11.7    | 1    |       | 1.7 | 0.9  |       | 9.8  | 14   | 14.6 |       | 0    | 1.15  |       |
| 15      | 16.2  |       | 12.6    | 1    |       | 1.8 | 0.9  | ±0.3  | 10.6 | 15   | 15.7 |       | 1.15 |       | 1.5   |
| 16      | 17.3  |       | 13.5    | 1    | ±0.05 | 1.9 | 0.9  |       |      | 11.4 | 16   | 16.8  |      | 1.15  |       |
| 17      | 18.3  |       | 14.3    | 1    |       |     | 2    | 0.9   |      | 12.2 | 17   | 17.8  |      | 1.15  |       |
| 18      | 19.5  |       | 15.3    | 1    |       | 2.1 | 1    |       | 13   | 18   | 19   |       | 1.15 |       | 1.5   |
| 19      | 20.5  |       | 16.1    | 1    |       | 2.2 | 1    |       | 13.8 | 19   | 20   |       | 1.15 |       | 1.5   |
| 20      | 21.5  |       | 16.9    | 1    |       | 2.3 | 1    |       | 14.5 | 20   | 21   |       | 1.15 |       | 1.5   |
| 21      | 22.5  | ±0.2  | 17.7    | 1    |       | 2.4 | 1.2  |       | 15   | 21   | 22   | +0.21 | 1.15 |       | 1.5   |
| 22      | 23.5  |       |         | 18.7 | 1     |     | 2.4  | 1.2   |      | 16   | 22   |       | 23   | 0     | 1.15  |
| 24      | 25.9  |       | 20.7    | 1.2  |       | 2.6 | 1.2  |       | 17.5 | 24   | 25.2 |       | 1.35 |       | 1.8   |
| 25      | 26.9  |       | 21.5    | 1.2  |       | 2.7 | 1.2  |       | 18.5 | 25   | 26.2 |       | 1.35 |       | 1.8   |
| 26      | 27.9  |       | 22.3    | 1.2  |       | 2.8 | 1.2  |       | 19   | 26   | 27.2 |       | 1.35 |       | 1.8   |
| 28      | 30.1  |       | 24.1    | 1.2  |       | 3   | 1.2  |       | 20.5 | 28   | 29.4 |       | 1.35 |       | 2.1   |
| 30      | 32.1  |       | 25.7    | 1.2  |       | 3.2 | 1.4  | ±0.4  | 22.5 | 30   | 31.4 |       | 1.35 |       | 2.1   |
| 32      | 34.4  |       | 27.4    | 1.2  | ±0.06 | 3.5 | 1.6  |       |      | 23.5 | 32   | 33.7  |      | 1.35  |       |
| 34      | 36.5  | ±0.25 | 29.1    | 1.5  |       |     | 3.7  | 1.6   |      | 25   | 34   | 35.7  |      | 1.65  |       |
| 35      | 37.8  |       |         | 30   | 1.5   |     | 3.9  | 1.6   |      | 26   | 35   | 37    |      | 1.65  | +0.14 |
| 36      | 38.8  |       | 30.8    | 1.5  |       | 4   | 1.6  |       | 26.5 | 36   | 38   |       | 1.65 | 0     |       |
| 37      | 39.8  |       | 31.6    | 1.5  |       | 4.1 | 1.6  |       | 27.5 | 37   | 39   | +0.25 | 1.65 |       | 3     |
| 38      | 40.8  |       | 32.4    | 1.5  |       | 4.2 | 1.6  |       | 28   | 38   | 40   |       | 0    | 1.65  |       |
| 40      | 43.5  |       | 34.7    | 1.75 |       | 4.4 | 2    |       | 30   | 40   | 42.5 |       | 1.9  |       | 3.75  |
| 42      | 45.5  | ±0.4  | 36.3    | 1.75 |       | 4.6 | 2    |       | 31   | 42   | 44.5 |       | 1.9  |       | 3.75  |
| 45      | 48.5  |       |         | 38.9 | 1.75  |     | 4.8  | 2     |      | 33   | 45   | 47.5  |      | 1.9   |       |
| 47      | 50.5  |       | 40.7    | 1.75 |       | 4.9 | 2    |       | 35   | 47   | 49.5 |       | 1.9  |       | 3.75  |
| 48      | 51.5  |       | 41.5    | 1.75 |       | 5   | 2    |       | 36   | 48   | 50.5 |       | 1.9  |       | 3.75  |
| 50      | 54.2  |       | 44      | 2    | ±0.07 | 5.1 | 2.2  |       | 38   | 50   | 53   |       | 2.2  |       | 4.5   |
| 52      | 56.2  |       | 45.8    | 2    |       |     | 5.2  | 2.2   |      | 40   | 52   | 55    |      | 2.2   |       |
| 55      | 59.2  |       | 48      | 2    |       | 5.6 | 2.2  | ±0.5  | 42   | 55   | 58   |       | 2.2  |       | 4.5   |
| 56      | 60.2  |       | 48.8    | 2    |       | 5.7 | 2.5  |       |      | 43   | 56   | 59    |      | 2.2   |       |
| 58      | 62.2  | ±0.45 | 50.4    | 2    |       | 5.9 | 2.5  |       | 44   | 58   | 61   | +0.3  | 2.2  |       | 4.5   |
| 60      | 64.2  |       |         | 52   | 2     |     | 6.1  | 2.5   |      | 46   | 60   |       | 63   | 0     | 2.2   |
| 62      | 66.2  |       | 53.6    | 2    |       | 6.3 | 2.8  |       | 47   | 62   | 65   |       | 2.2  |       | 4.5   |
| 65      | 69.2  |       | 55.8    | 2.5  |       | 6.7 | 3.2  |       | 49   | 65   | 68   |       | 2.7  |       | 4.5   |
| 68      | 72.5  |       | 58.5    | 2.5  |       | 7   | 3.2  |       | 52   | 68   | 71   |       | 2.7  |       | 4.5   |
| 72      | 76.5  |       | 61.7    | 2.5  | ±0.08 | 7.4 | 3.2  |       | 55   | 72   | 75   |       | 2.7  |       | 4.5   |
| 75      | 79.5  |       | 63.9    | 2.5  |       |     | 7.8  | 3.2   |      | 57   | 75   | 78    |      | 2.7   |       |
| 78      | 82.5  |       | 66.3    | 2.5  |       | 8.1 | 3.2  |       | 59   | 78   | 81   |       | 2.7  |       | 4.5   |
| 80      | 85.5  | ±0.55 | 68.9    | 2.5  |       | 8.3 | 3.2  | ±0.7  | 61   | 80   | 83.5 |       | 2.7  |       | 5.25  |
| 85      | 90.5  |       |         | 72.7 | 3     |     | 8.9  |       | 4    |      | 64   | 85    | 88.5 | +0.35 | 3.2   |
| 90      | 95.5  |       | 76.7    | 3    | ±0.09 | 9.4 | 4    |       | 68   | 90   | 93.5 | 0     | 3.2  |       | +0.18 |
| 100     | 105.5 |       | 84.5    | 3    |       |     | 10.5 | 4     |      | 76   | 100  | 103.5 |      | 3.2   |       |

材質:ばね用鋼 硬さ:44~52HRC 表面処理:ACP(磷酸塩被膜)

<注意点>

- IRTW-56以上は、受注生産となります。
- 市場性の無い製品は在庫が無い場合があります。ご採用の際は事前にご確認ください。

# 丸S形止め輪



単位: mm

| サイズ No. | 止め輪  |       |         |      |       |      |     | 適用する軸 |     |     |      |       |      |       |       |
|---------|------|-------|---------|------|-------|------|-----|-------|-----|-----|------|-------|------|-------|-------|
|         | d3   |       | d4 (参考) | t    |       | b    | d0  | 公差    | d5  | d1  | d2   |       | m    |       | n     |
|         | 基本寸法 | 公差    |         | 基本寸法 | 公差    |      |     |       |     |     | 基本寸法 | 公差    | 基本寸法 | 公差    |       |
| ISTW-6  | 5.6  |       | 8       | 0.5  | ±0.03 | 1.2  | 2.2 |       | 8.9 | 6   | 5.7  | -0.04 | 0.6  |       | 1.5   |
| 7       | 6.5  | +0.1  | 9.3     | 0.6  | ±0.04 | 1.4  | 2.6 | ±0.2  | 10  | 7   | 6.7  | 0     | 0.7  | +0.1  | 1.5   |
| 8       | 7.4  |       |         | 10.6 |       | 0.7  |     |       | 1.6 | 3   |      | 12    | 8    |       | 7.6   |
| 9       | 8.4  | -0.2  | 12      | 0.8  | ±0.05 | 1.8  | 3.4 | ±0.3  | 13  | 9   | 8.6  |       | 0.95 | ±0.14 | 1.5   |
| 10      | 9.3  |       |         | 13.3 |       | 1    |     |       | 2   | 1.2 |      | 15    | 10   |       | 9.6   |
| 11      | 10.2 | ±0.15 | 14.4    | 1    | ±0.06 | 2.1  | 1.2 | ±0.4  | 16  | 11  | 10.5 |       | 1.15 | ±0.14 | 1.5   |
| 12      | 11.1 |       |         | 15.5 |       | 1    |     |       | 2.2 | 1.2 |      | 17    | 12   |       | 11.5  |
| 13      | 12   |       | 16.6    | 1    |       | 2.3  | 1.2 |       | 18  | 13  | 12.4 |       | 1.15 |       | 1.5   |
| 14      | 12.9 | ±0.18 | 17.5    | 1    | ±0.07 | 2.3  | 1.2 | ±0.5  | 19  | 14  | 13.4 | 0     | 1.15 |       | 1.5   |
| 15      | 13.8 |       |         | 18.6 |       | 1    |     |       | 2.4 | 1.2 |      | 21    | 15   | 14.3  | -0.11 |
| 16      | 14.7 |       | 19.7    | 1    |       | 2.5  | 1.2 |       | 22  | 16  | 15.2 |       | 1.15 |       | 1.5   |
| 17      | 15.7 |       | 20.9    | 1    |       | 2.6  | 1.2 |       | 23  | 17  | 16.2 |       | 1.15 |       | 1.5   |
| 18      | 16.5 |       | 21.9    | 1.2  |       | 2.7  | 1.5 |       | 24  | 18  | 17   |       | 1.35 |       | 1.5   |
| 19      | 17.5 |       | 23.1    | 1.2  |       | 2.8  | 1.5 |       | 25  | 19  | 18   |       | 1.35 |       | 1.5   |
| 20      | 18.5 |       | 24.3    | 1.2  |       | 2.9  | 1.5 |       | 27  | 20  | 19   |       | 1.35 |       | 1.5   |
| 21      | 19.5 |       | 25.5    | 1.2  |       | 3    | 1.5 |       | 28  | 21  | 20   |       | 1.35 |       | 1.5   |
| 22      | 20.5 |       | 26.5    | 1.2  |       | 3    | 1.5 |       | 29  | 22  | 21   |       | 1.35 |       | 1.5   |
| 24      | 22.2 | ±0.2  | 28.6    | 1.2  | ±0.08 | 3.2  | 1.5 | ±0.6  | 32  | 24  | 22.9 | 0     | 1.35 | ±0.14 | 1.7   |
| 25      | 23.2 |       |         | 29.8 |       | 1.2  |     |       | 3.3 | 1.5 |      | 33    | 25   |       | 23.9  |
| 26      | 24.2 |       | 31      | 1.2  |       | 3.4  | 1.5 |       | 34  | 26  | 24.9 |       | 1.35 |       | 1.7   |
| 28      | 25.9 |       | 33.1    | 1.5  |       | 3.6  | 1.8 |       | 37  | 28  | 26.6 |       | 1.65 |       | 2.1   |
| 30      | 27.9 |       | 35.3    | 1.5  |       | 3.7  | 1.8 |       | 39  | 30  | 28.6 |       | 1.65 |       | 2.1   |
| 32      | 29.6 |       | 37.4    | 1.5  |       | 3.9  | 1.8 |       | 41  | 32  | 30.3 |       | 1.65 |       | 2.6   |
| 34      | 31.5 | ±0.25 | 39.7    | 1.5  | ±0.09 | 4.1  | 1.8 | ±0.7  | 44  | 34  | 32.3 |       | 1.65 | ±0.14 | 2.6   |
| 35      | 32.2 |       |         | 40.6 |       | 1.5  |     |       | 4.2 | 1.8 |      | 45    | 35   |       | 33    |
| 36      | 33.2 |       | 41.6    | 1.75 |       | 4.2  | 2   |       | 46  | 36  | 34   |       | 1.9  |       | 3     |
| 38      | 35.2 |       | 44      | 1.75 |       | 4.4  | 2   |       | 48  | 38  | 36   |       | 1.9  |       | 3     |
| 40      | 37   | ±0.4  | 46.2    | 1.75 | ±0.1  | 4.6  | 2   | ±0.8  | 51  | 40  | 38   | 0     | 1.9  | ±0.25 | 3     |
| 42      | 38.5 |       |         | 48.1 |       | 1.75 |     |       | 4.8 | 2   |      | 54    | 42   |       | 39.5  |
| 45      | 41.5 |       | 51.3    | 1.75 |       | 4.9  | 2   |       | 57  | 45  | 42.5 |       | 1.9  |       | 3.8   |
| 48      | 44.5 |       | 55.1    | 1.75 |       | 5.3  | 2   |       | 61  | 48  | 45.5 |       | 1.9  |       | 3.8   |
| 50      | 45.8 |       | 56.8    | 2    |       | 5.5  | 2.5 |       | 63  | 50  | 47   |       | 2.2  |       | 4.5   |
| 52      | 47.8 |       | 59      | 2    |       | 5.6  | 2.5 |       | 65  | 52  | 49   |       | 2.2  |       | 4.5   |
| 55      | 50.8 | ±0.45 | 62.6    | 2    | ±0.12 | 5.9  | 2.5 | ±0.9  | 69  | 55  | 52   |       | 2.2  | ±0.3  | 4.5   |
| 58      | 53.8 |       |         | 66   |       | 2    |     |       | 6.1 | 2.5 |      | 72    | 58   |       | 55    |
| 60      | 55.8 |       | 68.4    | 2    |       | 6.3  | 2.5 |       | 75  | 60  | 57   |       | 2.2  |       | 4.5   |
| 62      | 57.8 |       | 70.8    | 2    |       | 6.5  | 2.5 |       | 77  | 62  | 59   |       | 2.2  |       | 4.5   |
| 63      | 58.8 |       | 72      | 2    |       | 6.6  | 2.5 |       | 78  | 63  | 60   | 0     | 2.2  |       | 4.5   |
| 65      | 60.8 |       | 74.4    | 2.5  |       | 6.8  | 3   |       | 81  | 65  | 62   | -0.3  | 2.7  |       | 4.5   |
| 68      | 63.5 |       | 77.5    | 2.5  |       | 7    | 3   |       | 84  | 68  | 65   |       | 2.7  |       | 4.5   |
| 70      | 65.5 |       | 79.9    | 2.5  |       | 7.2  | 3   |       | 87  | 70  | 67   |       | 2.7  |       | 4.5   |
| 75      | 70.5 | ±0.55 | 85.7    | 2.5  | ±0.15 | 7.6  | 3   | ±1.0  | 92  | 75  | 72   |       | 2.7  | ±0.3  | 4.5   |
| 80      | 74.5 |       |         | 90.5 |       | 2.5  |     |       | 8   | 3   |      | 98    | 80   |       | 76.5  |

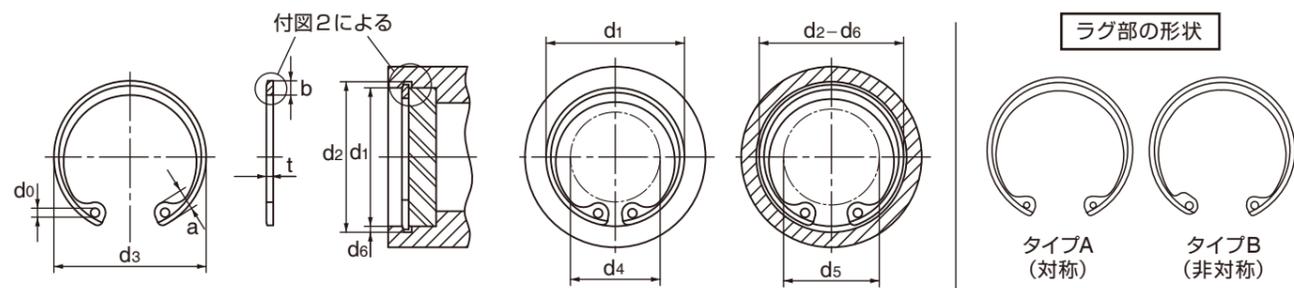
材質:ばね用鋼 硬さ:44~52HRC 表面処理:ACP(磷酸塩被膜)

<注意点>

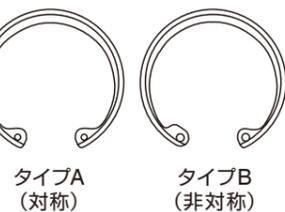
- ISTW-58以上は、受注生産となります。
- 市場性の無い製品は在庫が無い場合があります。ご採用の際は事前にご確認ください。

止め輪  
ワンショット  
ウェーブワッシャー  
(波ワッシャー)他  
ねじ式スピードナット  
スクリューピン  
スクリュー  
クイックフラスター  
工具

# ベベル形穴用止め輪



ラグ部の形状



タイプA (対称)  
タイプB (非対称)

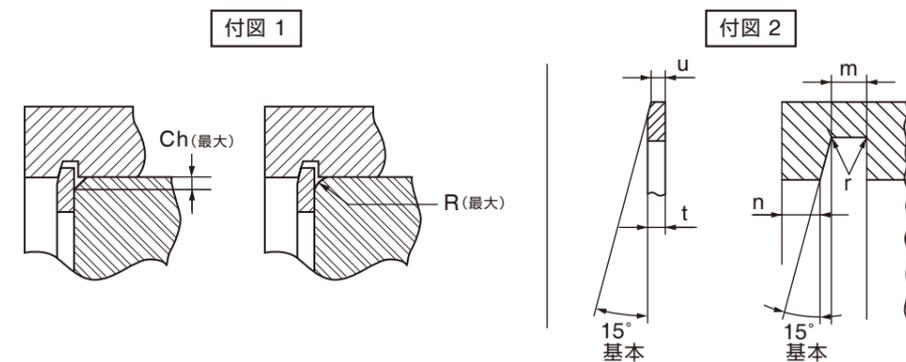
単位：mm

| サイズ No. | 止め輪            |            |      |            |      |             |            |      | ラグ部の形状 | 適用する穴          |                |                |         |      |       |                |
|---------|----------------|------------|------|------------|------|-------------|------------|------|--------|----------------|----------------|----------------|---------|------|-------|----------------|
|         | d <sub>3</sub> |            | t    |            | u    |             | a          | b    |        | d <sub>0</sub> | d <sub>1</sub> | d <sub>2</sub> |         | m    |       | d <sub>6</sub> |
|         | 基本寸法           | 公差         | 基本寸法 | 公差         | 基本寸法 | 公差          |            |      |        |                |                | 基本寸法           | 公差      | 基本寸法 | 公差    |                |
| MT-26   | 28.9           | $\pm 0.25$ | 1    | $\pm 0.05$ | 0.84 | $\pm 0.025$ | 4          | 2.7  | 1.5    | B              | 26             | 28             | $+0.08$ | 0.9  |       | 1              |
| 28      | 31.1           |            | 1.3  |            | 1.02 |             | 4.6        | 2.95 | 1.9    | B              | 28             | 30.1           |         | 1.1  |       | 1.05           |
| 30      | 33.4           | $+0.65$    | 1.3  | $\pm 0.06$ | 1.02 | $\pm 0.03$  | 4.6        | 3.05 | 1.9    | B              | 30             | 32.1           | $+0.1$  | 1.1  | +0.1  | 1.05           |
| 32      | 35.35          | -0.5       | 1.3  |            | 0.99 |             | 4.6        | 3.15 | 1.9    | A              | 32             | 34.3           | 0       | 1.1  |       | 1.15           |
| 35      | 38.75          |            | 1.3  |            | 0.97 |             | 4.6        | 3.3  | 1.9    | B              | 35             | 37.5           |         | 1.1  |       | 1.25           |
| 40      | 44.25          |            | 1.6  | $\pm 0.08$ | 1.22 | $\pm 0.03$  | 5.1        | 4    | 1.9    | B              | 40             | 42.8           | $+0.13$ | 1.3  | +0.15 | 1.4            |
| 42      | 46.6           | $+0.9$     | 1.6  |            | 1.19 |             | 5.75       | 4.25 | 1.93   | A              | 42             | 45             | 0       | 1.3  |       | 1.5            |
| 47      | 52.15          | -0.65      | 1.6  |            | 1.17 |             | 5.94       | 4.3  | 2.31   | B              | 47             | 50.4           |         | 1.3  |       | 1.7            |
| 52      | 57.9           | $\pm 0.75$ | 2    | $\pm 0.07$ | 1.52 | $\pm 0.04$  | 6.4        | 4.7  | 2.3    | B              | 52             | 55.7           | $+0.15$ | 1.6  | 0     | 1.85           |
| 80      | 89.1           | $\pm 1.4$  | 2.77 |            | 2.1  |             | $\pm 0.06$ | 7.9  | 6.65   | 3.2            | A              | 80             | 85.9    | 0    |       | 2.3            |

材質：ばね用鋼 硬さ：44~52HRC 表面処理：ACP(磷酸塩被膜)

<注意点>

市場性の無い製品は在庫が無い場合があります。ご購入の際は事前にご確認ください。

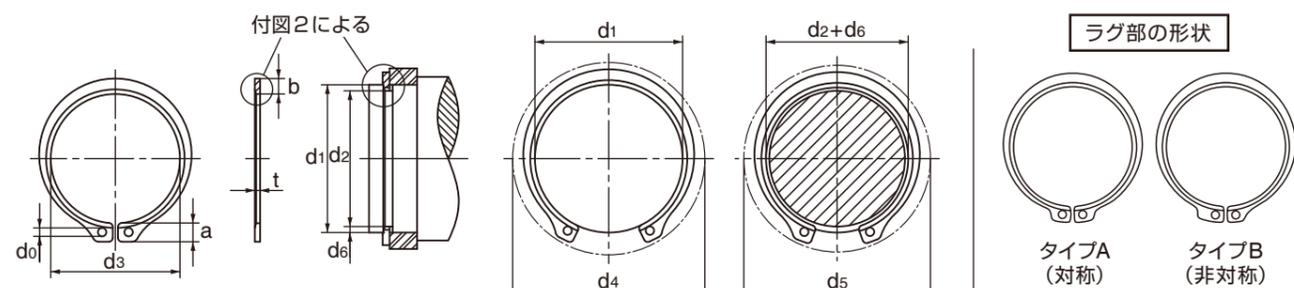


| サイズNo. | 溝底r(最大) |
|--------|---------|
| 52未満   | 0.13    |
| 52以上   | 0.25    |

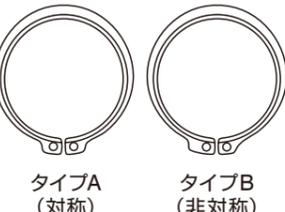
単位：mm

| サイズ No. | データ                  |   |            |        |                  |        |
|---------|----------------------|---|------------|--------|------------------|--------|
|         | クリアランス径              |   | 受面角部 (付図1) |        | テークアップ量 (隙間の取り代) | n (最小) |
|         | d <sub>1</sub> にはめる時 | d <sub>2</sub> (d <sub>6</sub> /2)にはめた時 | R(最大)      | Ch(最大) |                  |        |
| MT-26   | 17.4                 | 18.4                                    | 1          | 0.8    | 0.13             | 1.6    |
| 28      | 18.2                 | 19.2                                    | 1          | 0.8    | 0.14             | 1.6    |
| 30      | 20                   | 21                                      | 1          | 0.8    | 0.14             | 1.7    |
| 32      | 22                   | 23.1                                    | 1          | 0.8    | 0.15             | 1.9    |
| 35      | 25                   | 26.2                                    | 1          | 0.8    | 0.16             | 2.1    |
| 40      | 29.2                 | 30.4                                    | 1.6        | 1.3    | 0.18             | 2.3    |
| 42      | 29.7                 | 30.9                                    | 1.6        | 1.3    | 0.2              | 2.6    |
| 47      | 34.3                 | 36                                      | 1.6        | 1.3    | 0.22             | 2.8    |
| 52      | 38.6                 | 40.3                                    | 2          | 1.6    | 0.24             | 3.1    |
| 80      | 63                   | 66                                      | 2.5        | 2      | 0.39             | 4.4    |

# ベベル形軸用止め輪



ラグ部の形状



タイプA (対称)  
タイプB (非対称)

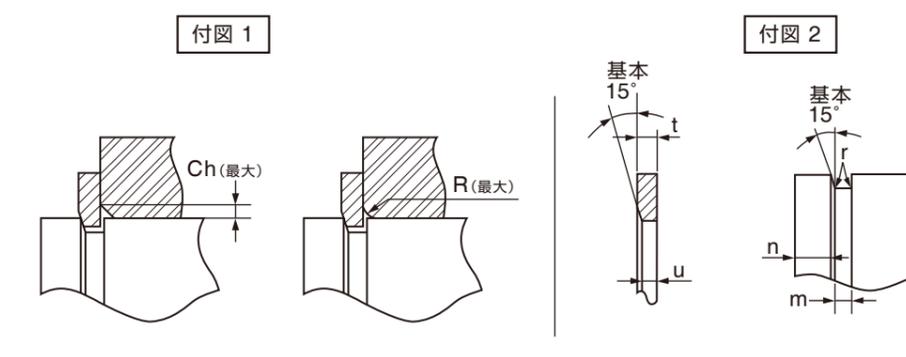
単位：mm

| サイズ No. | 止め輪            |            |      |            |      |            |      |     | ラグ部の形状 | 適用する軸          |                |                |       |      |       |                |
|---------|----------------|------------|------|------------|------|------------|------|-----|--------|----------------|----------------|----------------|-------|------|-------|----------------|
|         | d <sub>3</sub> |            | t    |            | u    |            | a    | b   |        | d <sub>0</sub> | d <sub>1</sub> | d <sub>2</sub> |       | m    |       | d <sub>6</sub> |
|         | 基本寸法           | 公差         | 基本寸法 | 公差         | 基本寸法 | 公差         |      |     |        |                |                | 基本寸法           | 公差    | 基本寸法 | 公差    |                |
| NT-30   | 27.9           | $+0.25$    | 1.3  | $\pm 0.06$ | 1.04 | $\pm 0.03$ | 4.9  | 3.3 | 1.9    | B              | 30             | 28.15          | 0     | 1.1  | +0.1  | 0.93           |
| 35      | 32.3           | -0.4       | 1.3  |            | 0.99 |            | 4.6  | 3.9 | 1.9    | B              | 35             | 32.55          | -0.1  | 1.1  | 0     | 1.23           |
| 50      | 46.2           | $\pm 0.35$ | 1.6  | $\pm 0.08$ | 1.19 | $\pm 0.04$ | 6.2  | 5.1 | 3.12   | B              | 50             | 46.8           | 0     | 1.3  | +0.15 | 1.6            |
| 60      | 55.8           | $\pm 0.35$ | 2    |            | 1.52 |            | 6.75 | 5.7 | 3.12   | A              | 60             | 56.2           | -0.15 | 1.7  | 0     | 1.9            |

材質：ばね用鋼 硬さ：44~52HRC 表面処理：ACP(磷酸塩被膜)

<注意点>

市場性の無い製品は在庫が無い場合があります。ご購入の際は事前にご確認ください。

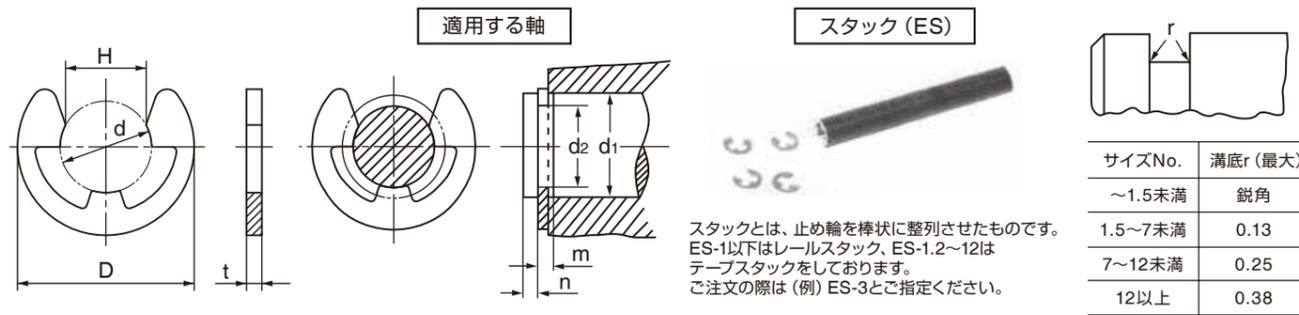


| サイズNo. | 溝底r(最大) |
|--------|---------|
| 52未満   | 0.13    |
| 52以上   | 0.25    |

単位：mm

| サイズ No. | データ                  |   |            |        |                  |        |
|---------|----------------------|---|------------|--------|------------------|--------|
|         | クリアランス径              |   | 受面角部 (付図1) |        | テークアップ量 (隙間の取り代) | n (最小) |
|         | d <sub>1</sub> にはめる時 | d <sub>2</sub> (d <sub>6</sub> /2)にはめた時 | R(最大)      | Ch(最大) |                  |        |
| NT-30   | 40.8                 | 39.8                                    | 1.6        | 1      | 0.12             | 1.6    |
| 35      | 45.9                 | 44.6                                    | 1.8        | 1.1    | 0.16             | 1.8    |
| 50      | 64.4                 | 63.0                                    | 2          | 1.2    | 0.21             | 2.6    |
| 60      | 76.3                 | 74.7                                    | 2.5        | 1.5    | 0.25             | 3.1    |

# E形止め輪



| サイズNo.  | 満底r (最大) |
|---------|----------|
| ~1.5未満  | 鋭角       |
| 1.5~7未満 | 0.13     |
| 7~12未満  | 0.25     |
| 12以上    | 0.38     |

スタックとは、止め輪を棒状に整列させたものです。ES-1以下はレールスタック、ES-1.2~12はテープスタックをしてあります。ご注文の際は(例) ES-3とご指定ください。

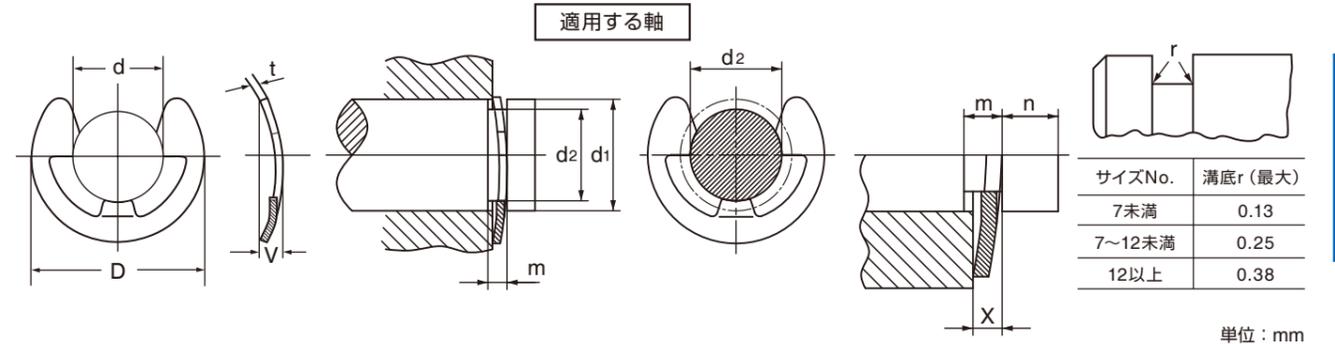
単位: mm

| サイズ No. | 止め輪  |       |       |      |      |       |       |        | 適用する軸 |     |       |       |        |       |      |     |
|---------|------|-------|-------|------|------|-------|-------|--------|-------|-----|-------|-------|--------|-------|------|-----|
|         | d    |       | D     |      | H    |       | t     |        | d1の区分 |     | d2    |       | m      |       | n    |     |
|         | 基本寸法 | 公差    | 基本寸法  | 公差   | 基本寸法 | 公差    | 基本寸法  | 公差     | 以上    | 未満  | 基本寸法  | 公差    | 基本寸法   | 公差    | 基本寸法 | 公差  |
| ETW-0.6 | 0.6  | ±0.02 | 1.5   | ±0.1 | 0.45 | ±0.02 | 0.2   | ±0.02  | 0.8   | 1   | 0.65  | +0.05 | 0.3    | +0.05 | 0    | 0.4 |
| 0.7     | 0.67 | 0     | 2     |      | 0.55 | -0.1  | 0.2   |        | 0.9   | 1.2 | 0.7   |       | 0.3    |       |      |     |
| 0.8     | 0.8  | -0.08 | 2     | ±0.1 | 0.7  | 0     | 0.2   | ±0.025 | 1     | 1.4 | 0.82  | +0.06 | 0.3    | +0.1  | 0    | 0.4 |
| 1       | 0.98 | -0.09 | 2.8   |      | 0.88 |       | 0.2   |        | 1.3   | 1.7 | 1     |       | 0.3    |       |      |     |
| 1.2     | 1.2  |       | -0.09 | 3    | ±0.2 | 1     | -0.25 | 0.3    | ±0.03 | 1.4 | 2     | 1.23  | +0.075 | 0.4   | +0.1 | 0   |
| 1.5     | 1.5  | 4     |       | 1.3  |      | 0.4   |       | 2      |       | 2.5 | 1.53  | 0.5   |        | 0.8   |      |     |
| 1.9     | 1.9  | -0.12 | 4.5   | ±0.2 | 1.7  | 0     | 0.4   | ±0.04  | 2.5   | 3   | 1.93  | +0.09 | 0.5    | +0.14 | 0    | 1   |
| 2       | 2    |       | 5     |      | 1.7  |       | -0.3  |        | 0.4   | 2.5 | 3.2   |       | 2.05   |       |      |     |
| 2.3     | 2.3  | -0.15 | 6     | ±0.3 | 2    | -0.35 | 0.4   | ±0.05  | 3     | 4   | 2.35  | +0.11 | 0.5    | +0.14 | 0    | 1   |
| 2.5     | 2.5  |       | 6     |      | 2.1  |       | 0.4   |        | 3.2   | 4   | 2.55  |       | 0.5    |       |      |     |
| 3       | 3    | -0.18 | 7     | ±0.3 | 2.6  | 0     | 0.6   | ±0.06  | 4     | 5   | 3.05  | +0.13 | 0.7    | +0.14 | 0    | 1   |
| 3.2     | 3.2  |       | 7     |      | 2.8  |       | 0.6   |        | 4     | 5   | 3.25  |       | 0.7    |       |      |     |
| 4       | 4    | -0.21 | 9     | ±0.3 | 3.5  | 0     | 0.6   | ±0.07  | 5     | 7   | 4.05  | +0.15 | 0.7    | +0.14 | 0    | 1.2 |
| 5       | 5    |       | 11    |      | 4.3  |       | -0.3  |        | 0.6   | 6   | 8     |       | 5.05   |       |      |     |
| 6       | 6    | -0.21 | 12    | ±0.3 | 5.2  | -0.45 | 0.8   | ±0.08  | 7     | 9   | 6.05  | +0.17 | 0.9    | +0.14 | 0    | 1.2 |
| 7       | 7    |       | 14    |      | 6.1  |       | 0.8   |        | 8     | 11  | 7.1   |       | 0.9    |       |      |     |
| 8       | 8    | -0.21 | 16    | ±0.3 | 6.9  | 0     | 0.8   | ±0.09  | 9     | 12  | 8.1   | +0.19 | 0.9    | +0.14 | 0    | 1.8 |
| 9       | 9    |       | 18    |      | 7.8  |       | -0.35 |        | 0.8   | 10  | 14    |       | 9.1    |       |      |     |
| 10      | 10   | -0.21 | 20    | ±0.3 | 8.7  | 0     | 1     | ±0.10  | 11    | 15  | 10.15 | +0.21 | 1.15   | +0.14 | 0    | 2   |
| 12      | 12   |       | 23    |      | 10.4 |       | 1     |        | 13    | 18  | 12.15 |       | 1.15   |       |      |     |
| 15      | 15   | -0.21 | 29    | ±0.3 | 13   | -0.5  | 1.5   | ±0.12  | 16    | 24  | 15.15 | +0.23 | 1.65   | +0.14 | 0    | 3   |
| 19      | 19   |       | 37    |      | 16.5 |       | 1.5   |        | 20    | 31  | 19.15 |       | 1.65   |       |      |     |
| 24      | 24   | -0.21 | 44    | ±0.3 | 20.8 | -0.5  | 2     | ±0.14  | 25    | 38  | 24.15 | 0     | 2.2    | 0     | 4    |     |

材質:ばね用鋼 硬さ:44~53HRC 表面処理:亜鉛めっき3価クロメート ACP(燐酸塩被膜)  
材質:ばね用ステンレス鋼

- <注意点>
- ETWは小袋梱包・ESはスタック梱包となります。
  - E形止め輪のスタック梱包はサイズと材質により、3種類のスタックを行っています。
    - ETW-0.6~1までの小径サイズは、レールにスタックしています。
    - ETW-1.2~12までテープでスタックしています。
    - ステンレスは、φ10までのサイズをテープでスタックしています。
    - スタック品をご希望の際は、その旨ご指定ください。
  - 市場性の無い製品は在庫が無い場合があります。ご購入の際は事前にご確認ください。

# 弓E形止め輪



| サイズNo. | 満底r (最大) |
|--------|----------|
| 7未満    | 0.13     |
| 7~12未満 | 0.25     |
| 12以上   | 0.38     |

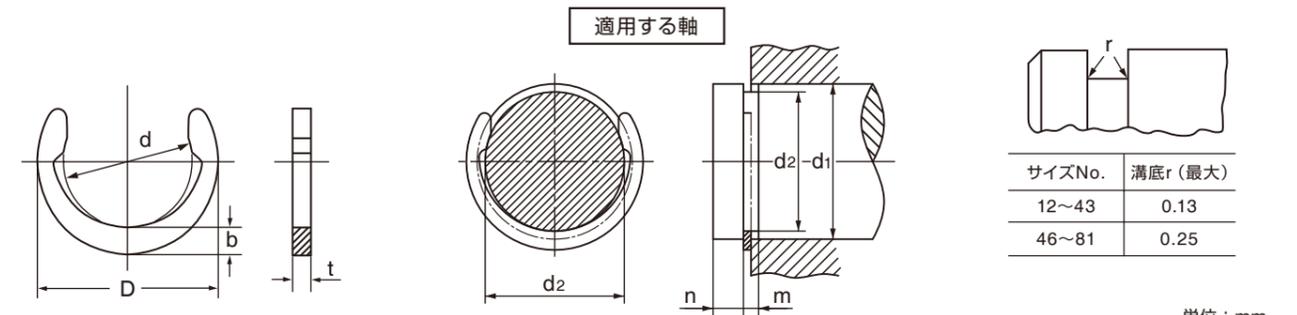
単位: mm

| サイズ No.  | 止め輪  |    |      |     |       |      | 適用する軸 |     |      |        |       |       |      |       |     |      |
|----------|------|----|------|-----|-------|------|-------|-----|------|--------|-------|-------|------|-------|-----|------|
|          | d    | D  | t    | V   |       | d1   |       | d2  |      | m      |       | X     |      | n     |     |      |
|          | 基本寸法 | 公差 | 基本寸法 | 公差  | 基本寸法  | 公差   | 最小    | 最大  | 基本寸法 | 公差     | 基本寸法  | 公差    | 最小   | 最大    | 最小  |      |
| BETW-1.5 | 1.5  | 4  | 0.4  | 0.8 | +0.15 | -0.1 | 2     | 2.5 | 1.53 | +0.06  | 0.8   | +0.1  | 0.55 | 0.65  | 0.8 |      |
| 2        | 2    | 5  | 0.4  | 0.8 | +0.25 | 0    | 2.5   | 3.2 | 2.05 | +0.075 | 0     |       | 0.55 | 0.65  | 1   |      |
| 2.5      | 2.5  | 6  | 0.4  | 0.8 |       |      | +0.4  | 0   | 3.2  |        |       | 4     | 2.55 | +0.09 | 0   | 0.55 |
| 3        | 3    | 7  | 0.6  | 1.1 | +0.6  | 0    |       |     | 4    | 5      | 3.05  | +0.11 | 0    |       |     | 0.85 |
| 4        | 4    | 9  | 0.6  | 1.1 |       |      | 16    | 24  | 5    | 7      | 4.05  |       |      | 2.3   | 1.7 | 0.85 |
| 5        | 5    | 11 | 0.6  | 1.1 | 17    | 24   |       |     | 6    | 8      | 5.05  | 1.7   | 1.7  |       |     | 1    |
| 6        | 6    | 12 | 0.8  | 1.3 |       |      | 18    | 24  | 7    | 9      | 6.05  |       |      | 1.7   | 1.7 | 1    |
| 7        | 7    | 14 | 0.8  | 1.3 | 19    | 24   |       |     | 8    | 11     | 7.1   | 1.7   | 1.7  |       |     | 1    |
| 8        | 8    | 16 | 0.8  | 1.3 |       |      | 20    | 24  | 9    | 12     | 8.1   |       |      | 1.7   | 1.7 | 1    |
| 9        | 9    | 18 | 0.8  | 1.3 | 21    | 24   |       |     | 10   | 14     | 9.1   | 1.7   | 1.7  |       |     | 1.3  |
| 10       | 10   | 20 | 1    | 1.7 |       |      | 22    | 24  | 11   | 15     | 10.15 |       |      | 1.7   | 1.7 | 1.3  |
| 12       | 12   | 23 | 1    | 1.7 | 23    | 24   |       |     | 13   | 18     | 12.15 | 1.7   | 1.7  |       |     | 1.3  |
| 15       | 15   | 29 | 1.5  | 2.3 |       |      | 24    | 24  | 16   | 24     | 15.15 |       |      | 1.7   | 1.7 | 1.8  |

材質:ばね用鋼 硬さ:40~50HRC 表面処理:亜鉛めっき3価クロメート

- <注意点>
- 市場性の無い製品は在庫が無い場合があります。ご購入の際は事前にご確認ください。

# クリセント形止め輪



| サイズNo. | 満底r (最大) |
|--------|----------|
| 12~43  | 0.13     |
| 46~81  | 0.25     |

単位: mm

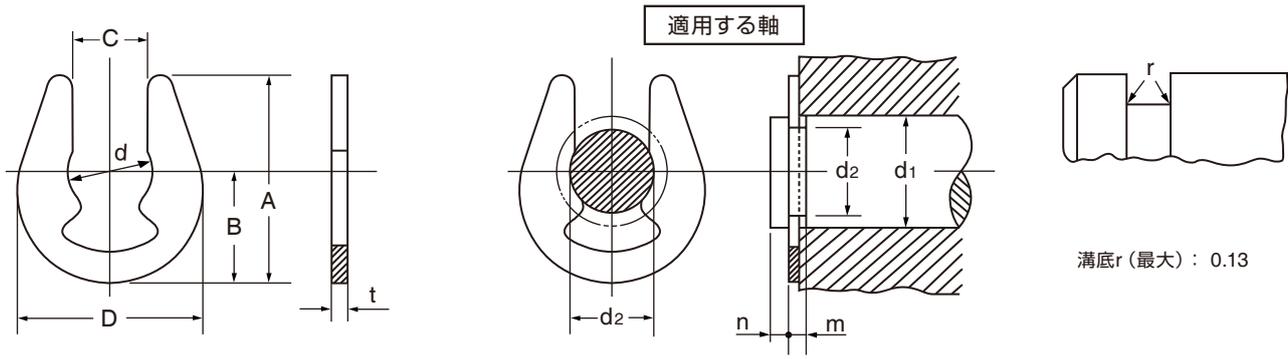
| サイズ No. | 止め輪   |       |       |      | 適用する軸 |       |      |       |       |      |       |    |      |    |
|---------|-------|-------|-------|------|-------|-------|------|-------|-------|------|-------|----|------|----|
|         | d     |       | D     | b    | t     |       | d1   |       | d2    |      | m     |    | n    |    |
|         | 基本寸法  | 公差    | 基本寸法  | 公差   | 基本寸法  | 公差    | 基本寸法 | 公差    | 基本寸法  | 公差   | 基本寸法  | 公差 | 基本寸法 | 公差 |
| 5103-12 | 2.59  | +0.05 | 4.17  | 0.79 | 0.4   | ±0.03 | 3.2  | 2.69  | ±0.04 | 0.48 | +0.04 | 0  | 0.8  |    |
| 18      | 4.09  | -0.1  | 6.19  | 1.05 | 0.4   |       | 4.8  | 4.19  |       | 0.48 |       |    | 0.9  |    |
| 21      | 4.75  | +0.07 | 6.99  | 1.12 | 0.6   | ±0.04 | 5.6  | 4.9   | ±0.05 | 0.7  | +0.06 | 0  | 1.1  |    |
| 25      | 5.36  |       | 7.9   | 1.27 | 0.6   |       | 6.4  | 5.59  |       | 0.7  |       |    | 1.2  |    |
| 31      | 6.86  | -0.13 | 9.56  | 1.35 | 0.6   | ±0.05 | 7.9  | 7.01  | ±0.07 | 0.7  | +0.08 | 0  | 1.3  |    |
| 37      | 8.33  |       | 11.37 | 1.52 | 0.6   |       | 9.5  | 8.51  |       | 0.7  |       |    | 1.5  |    |
| 40      | 9.12  | ±0.15 | 12.32 | 1.6  | 0.6   | ±0.06 | 10.3 | 9.25  | ±0.07 | 0.7  | +0.08 | 0  | 1.6  |    |
| 43      | 9.8   |       | 13.1  | 1.65 | 0.6   |       | 11.1 | 9.98  |       | 0.7  |       |    | 1.7  |    |
| 46      | 10.54 | ±0.18 | 14    | 1.73 | 0.6   | ±0.07 | 11.9 | 10.69 | ±0.08 | 0.7  | +0.08 | 0  | 1.8  |    |
| 50      | 11.2  |       | 14.76 | 1.78 | 0.9   |       | 12.7 | 11.43 |       | 1    |       |    | 1.9  |    |
| 56      | 12.62 | ±0.18 | 16.56 | 1.98 | 0.9   | ±0.08 | 14.3 | 12.88 | ±0.09 | 1    | +0.08 | 0  | 2.1  |    |
| 81      | 18.31 |       | 23.23 | 2.46 | 1.4   |       | 20.6 | 18.59 |       | 1.5  |       |    | 3    |    |

材質:ばね用鋼 硬さ:44~52HRC 表面処理:亜鉛めっき3価クロメート

- <注意点>
- 市場性の無い製品は在庫が無い場合があります。ご購入の際は事前にご確認ください。
  - スタック品をご希望の際は、その旨ご指定ください。(5103-81はバラ梱包のみ)

止め輪 | クリセント形止め輪 | ステンレス鋼 | スチール | 鋼 | 銅 | アルミニウム | 樹脂 | 繊維 | 紙 | 布 | 皮革 | 木材 | 金属 | 非金属 | 複合材料 | その他

# U形止め輪



単位：mm

| サイズ<br>No. | 止め輪  |               |      |      |      |      |      |      | 適用する軸 |                    |    |                |       |      |      |           |
|------------|------|---------------|------|------|------|------|------|------|-------|--------------------|----|----------------|-------|------|------|-----------|
|            | d    |               | A    | D    | C    |      | B    | t    |       | d <sub>1</sub> の区分 |    | d <sub>2</sub> |       | m    |      | n<br>(最小) |
|            | 基本寸法 | 公差            |      |      | 基本寸法 | 公差   |      | 基本寸法 | 公差    | 基本寸法               | 公差 | 以上             | 未満    | 基本寸法 | 公差   |           |
| UTW-3.2    | 3.2  |               | 8.7  | 8    | 2.8  |      | 4.6  | 0.6  |       | 4                  | 5  | 3.26           |       | 0.7  |      | 1         |
| 4          | 4    | +0.03         | 10   | 9    | 3.6  | 0    | 5.3  | 0.7  | ±0.04 | 5                  | 7  | 4.08           | +0.05 | 0.8  | +0.1 | 1.4       |
| 5          | 5    | -0.1          | 12.8 | 11.6 | 4.4  | -0.2 | 6.8  | 0.7  |       | 6                  | 8  | 5.1            | 0     | 0.8  |      | 1.4       |
| 6          | 6    | +0.05         | 14.8 | 13.5 | 5.3  | 0    | 8    | 0.7  | ±0.05 | 7                  | 9  | 6.1            | +0.08 | 0.8  | 0    | 1.4       |
| 7          | 7    | -0.15         | 17   | 15   | 6.2  | -0.3 | 9    | 0.9  |       | 8                  | 11 | 7.1            | 0     | 1    |      | 1.4       |
| 8          | 8    | +0.05<br>-0.2 | 19.5 | 17.5 | 7.1  |      | 10.5 | 1    |       | 9                  | 12 | 8.1            |       | 1.1  |      | 1.4       |

材質：ばね用鋼 硬さ：44～52HRC 表面処理：ACP(燐酸塩被膜)

### <注意点>

1. 市場性の無い製品は在庫が無い場合があります。ご採用の際は事前にご確認ください。
2. 小袋梱包又はスタック梱包となります。