



Unit: mm

| Dimensions Codes | Nominals d_1 | Dimensions of Retaining Rings | | | | | | | Thrust Loading Allowance (Ref.) kN | Groove Dimensions (Ref.) | | | | | | | | | | | |
|------------------|----------------|-------------------------------|-----------|-------|-----------|---------|---------|-------|------------------------------------|--------------------------|------------|-------|-----------|------------|-------|------|------------|-------|----|-----|-------|
| | | d_3 | | t | | b | a | d_0 | | d_2 | | m | | n | | | | | | | |
| | | Basic | Tolerance | Basic | Tolerance | Approx. | Approx. | Min. | | Basic | Tolerance | Basic | Tolerance | Min. | | | | | | | |
| 17010 | 10 | 10.7 | ±0.18 | 1 | ±0.05 | 1.8 | 3.1 | 1.2 | 4.71 | 10.4 | +0.11 0 | 1.15 | 1.5 | | | | | | | | |
| 17011 | 11 | 11.8 | | | | | 3.2 | | 5.22 | 11.4 | | | | | | | | | | | |
| 17012 | 12 | 13 | | | | | 3.3 | 5.69 | 12.5 | | | | | | | | | | | | |
| 17013 | 13 | 14.1 | | | | 3.5 | 6.16 | 13.6 | 2 | 1.7 | | | | 7.65 | 16.8 | | | | | | |
| 17014 | 14 | 15.1 | | | | 3.6 | 6.67 | 14.6 | | | | | | | | | | | | | |
| 17015 | 15 | 16.2 | | | | 3.6 | 7.18 | 15.7 | 2.5 | 2 | | | | 9.10 | 20 | | | | | | |
| 17016 | 16 | 17.3 | | | | 3.7 | 7.65 | 16.8 | | | | | | | | | | | | | |
| 17017 | 17 | 18.3 | | | | 3.8 | 8.08 | 17.8 | | | | | | | | | | | | | |
| 17018 | 18 | 19.5 | | | | 4.0 | 8.55 | 19 | 3 | 2 | | | | 13.81 | 25.2 | | | | | | |
| 17019 | 19 | 20.5 | | | | 4.0 | 9.10 | 20 | | | | | | | | | | | | | |
| 17020 | 20 | 21.5 | 4.0 | 9.57 | 21 | | | | | | | | | | | | | | | | |
| 17021 | 21 | 22.5 | ±0.2 | 1.2 | ±0.06 | 2.5 | 4.1 | 2 | 10.20 | 22 | +0.21 0 | 1.35 | 2 | | | | | | | | |
| 17022 | 22 | 23.5 | | | | | 4.1 | | 12.71 | 23 | | | | | | | | | | | |
| 17024 | 24 | 25.9 | | | | | 4.3 | 13.81 | 25.2 | 3 | | | | 2.5 | 19.30 | 33.7 | | | | | |
| 17025 | 25 | 26.9 | | | | 4.4 | 14.59 | 26.2 | | | | | | | | | | | | | |
| 17026 | 26 | 27.9 | | | | 4.6 | 15.38 | 27.2 | | | | | | | | | | | | | |
| 17028 | 28 | 30.1 | | | | ±0.25 | 1.5 | ±0.06 | 3 | 4.6 | | | | 2.5 | 16.24 | 29.4 | +0.25 0 | 1.65 | 2 | | |
| 17030 | 30 | 32.1 | | | | | | | | 4.6 | | | | | 16.24 | 29.4 | | | | | |
| 17032 | 32 | 34.4 | | | | | | | | 4.7 | | | | 17.26 | 31.4 | 3.5 | | | | 2.5 | 24.32 |
| 17034 | 34 | 36.5 | | | | | | | 5.2 | 24.32 | | | | 35.7 | | | | | | | |
| 17035 | 35 | 37.8 | | | | | | | 5.2 | 25.11 | | | | 37 | | | | | | | |
| 17036 | 36 | 38.8 | ±0.4 | 1.75 | ±0.06 | | | | 3.5 | 5.2 | 2.5 | 25.89 | 38 | +0.25 0 | 1.90 | 2 | | | | | |
| 17037 | 37 | 39.8 | | | | | | | | 5.2 | | 26.83 | 39 | | | | | | | | |
| 17038 | 38 | 40.8 | | | | | | | | 5.2 | 27.46 | 40 | 4 | | | | | | | 2.5 | 32.01 |
| 17040 | 40 | 43.5 | | | | | | | 5.3 | 27.46 | 40 | | | | | | | | | | |
| 17042 | 42 | 45.5 | | | | | | | 5.7 | 32.01 | 42.5 | 4.5 | | | | | | | | | |
| 17045 | 45 | 48.5 | | | | 5.8 | 35.70 | 44.5 | | | | | | | | | | | | | |
| 17047 | 47 | 50.5 | | | | 5.9 | 37.78 | 47.5 | 5.1 | 2.5 | 39.62 | | 49.5 | | | | | | | | |
| 17048 | 48 | 51.5 | | | | 6.1 | 39.62 | 49.5 | | | | | | | | | | | | | |
| 17050 | 50 | 54.2 | | | | 6.2 | 40.80 | 50.5 | | | | 5.1 | | | | | 2.5 | 48.05 | 53 | | |
| 17052 | 52 | 56.2 | | | | 6.5 | 48.05 | 53 | | | | | | | | | | | | | |
| 17055 | 55 | 59.2 | 6.5 | 50.21 | 55 | 5.5 | 2.5 | 57.66 | 63 | | | | | | | | | | | | |
| 17056 | 56 | 60.2 | 6.5 | 53.35 | 58 | | | | | | | | | | | | | | | | |
| 17058 | 58 | 62.2 | 6.6 | 54.52 | 59 | | | | | 5.5 | 2.5 | 60.41 | 65 | | | | | | | | |
| 17060 | 60 | 64.2 | 6.6 | 55.21 | 55 | | | | | | | | | | | | | | | | |
| 17062 | 62 | 66.2 | 6.8 | 56.09 | 61 | | | | | | | | | | | | | | | | |
| 17063 | 63 | 67.2 | 6.8 | 57.66 | 63 | | | | | | | | | | | | | | | | |
| | | | 6.9 | 60.41 | 65 | | | | | | | | | | | | | | | | |
| | | | 6.9 | 61.98 | 66 | | | | | | | | | | | | | | | | |

Continues on next page.

C-Type Retaining Rings for Holes (Nominals $\phi 65 - \phi 200$)

JIS B 2804 (Ref.)



Continued from previous page.

Unit: mm

| Dimensions Codes | Nominals d_1 | Dimensions of Retaining Rings | | | | | | | Thrust Loading Allowance (Ref.) kN | Groove Dimensions (Ref.) | | | | |
|------------------|----------------|-------------------------------|----------------|-------|-----------|---------|---------|-------|---------------------------------------|--------------------------|-----------|------------|-----------|------|
| | | d_3 | | t | | b | a | d_0 | | d_2 | | m | | n |
| | | Basic | Tolerance | Basic | Tolerance | Approx. | Approx. | Min. | | Basic | Tolerance | Basic | Tolerance | Min. |
| 17065 | 65 | 69.2 | ±0.45 | 2.5 | ±0.08 | 5.5 | 7 | 2.5 | 79.24 | 68 | 2.7 | +0.14 0 | 2.5 | |
| 17068 | 68 | 72.5 | | | | 6 | 7.4 | | 81.59 | 71 | | | | |
| 17070 | 70 | 74.5 | | | | 6 | 7.4 | | 84.34 | 73 | | | | |
| 17072 | 72 | 76.5 | | | | 6.6 | 7.8 | | 86.30 | 75 | | | | |
| 17075 | 75 | 79.5 | | | | 8 | 94.14 | | 81 | | | | | |
| 17078 | 78 | 82.5 | ±0.55 | 3 | ±0.09 | 7 | 8 | 3 | 96.50 | 83.5 | 3.2 | +0.35 0 | 3 | |
| 17080 | 80 | 85.5 | | | | 7.6 | 8.2 | | 122.39 | 88.5 | | | | |
| 17082 | 82 | 87.5 | | | | 8 | 8.3 | | 127.09 | 91.5 | | | | |
| 17085 | 85 | 90.5 | | | | 8 | 8.3 | | 130.23 | 93.5 | | | | |
| 17088 | 88 | 93.5 | | | | 8 | 8.5 | | 131.80 | 95.5 | | | | |
| 17090 | 90 | 95.5 | | | | 8.3 | 8.7 | | 138.86 | 98.5 | | | | |
| 17092 | 92 | 97.5 | | | | 8.3 | 8.7 | | 141.22 | 101.5 | | | | |
| 17095 | 95 | 100.5 | | | | 8.8 | 8.8 | | 142.00 | 103.5 | | | | |
| 17098 | 98 | 103.5 | | | | 9 | 9 | | 196.13 | 106 | | | | |
| 17100 | 100 | 105.5 | | | | 9.1 | 9.1 | | 200.84 | 109 | | | | |
| 17102 | 102 | 108 | ±0.65 | 4 | ±0.10 | 8.9 | 9.5 | 3.5 | 210.25 | 112 | 4.2 | +0.54 0 | 4 | |
| 17105 | 105 | 112 | | | | 10.2 | 10.2 | | 211.82 | 114 | | | | |
| 17108 | 108 | 115 | | | | 10.2 | 10.2 | | 214.96 | 116 | | | | |
| 17110 | 110 | 117 | | | | 9.5 | 10.7 | | 221.24 | 119 | | | | |
| 17112 | 112 | 119 | | | | 10 | 10.7 | | 231.44 | 124 | | | | |
| 17115 | 115 | 122 | | | | 10.7 | 10.7 | | 240.07 | 129 | | | | |
| 17120 | 120 | 127 | | | | 10.7 | 10.7 | | 252.62 | 134 | | | | |
| 17125 | 125 | 132 | | | | 11 | 11 | | 258.90 | 139 | | | | |
| 17130 | 130 | 137 | | | | 11 | 11 | | 271.45 | 144 | | | | |
| 17135 | 135 | 142 | | | | 11 | 11 | | 279.29 | 149 | | | | |
| 17140 | 140 | 147 | +1.26 -0.63 | 4 | ±0.10 | 11.8 | 11.8 | 4.0 | 290.28 | 155 | 4.2 | +0.63 0 | 6 | |
| 17145 | 145 | 152 | | | | 11.5 | 11.8 | | 299.69 | 160 | | | | |
| 17150 | 150 | 158 | | | | 12 | 12.5 | | 307.54 | 165 | | | | |
| 17155 | 155 | 164 | | | | 12 | 12.7 | | 320.09 | 170 | | | | |
| 17160 | 160 | 169 | | | | 12.5 | 12.5 | | 333.43 | 175 | | | | |
| 17165 | 165 | 174.5 | | | | 12.5 | 12.5 | | 337.35 | 180 | | | | |
| 17170 | 170 | 179.5 | | | | 13 | 13 | | 345.19 | 185 | | | | |
| 17175 | 175 | 184.5 | | | | 13.5 | 13.5 | | 356.96 | 190 | | | | |
| 17180 | 180 | 189.5 | | | | 13.5 | 13.5 | | 368.73 | 195 | | | | |
| 17185 | 185 | 194.5 | | | | 14 | 14 | | 373.44 | 200 | | | | |
| 17190 | 190 | 199.5 | +1.44 -0.72 | 4 | ±0.10 | 13.5 | 13.5 | 4.0 | 376.58 | 205 | 7.5 | +0.72 0 | | |
| 17195 | 195 | 204.5 | | | | 13.5 | 13.5 | | 376.58 | 205 | | | | |
| 17200 | 200 | 209.5 | 14 | 14 | 376.58 | 205 | | | | | | | | |

Remarks: 1. Allowable thrust load varies according to the material types and hardness of mating axial components, and also with the shear strength of retaining rings.
2. Allowable thrust load is calculated with safety factor 4.

Notes: The stainless steel products that deviate from the JIS standard (JIS G 4313: Cold Rolled Stainless Steel Strip for Springs) in thickness are classified into SUS304-CSP.

| | | | | | | | | | |
|--------------|----------------|---------------|-----------------|-------------|---------------------------------------------------|---------|----------|--|--|
| Product code | 117 | Material code | 02...SUS304-CSP | | Part Number Structure (Standardized Product Code) | | | | |
| | | | | | Product | Surface | Material | | |
| Surface code | 01...Burnished | | Hardness | HRC 37 - 46 | | | | | |