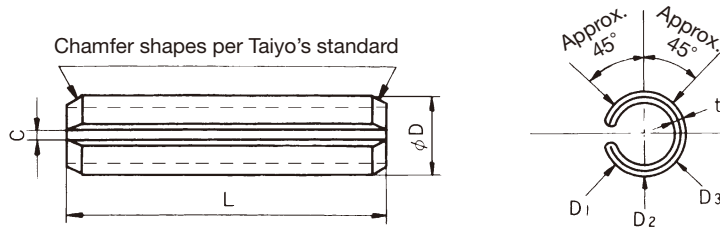


Straight Slotted Spring Pins for General Purposes

JIS B 2808:1999 (Annex) (ref.)



The slot C shall be the dimension that does not fully close when the spring pin is inserted into a hole. (Except for both ends of the pin.)

Unit: mm

| Nominal Diameter | | 1 | 1.2 | 1.4 | 1.5 | 1.6 | 2 | 2.5 | 3 | 3.5 | 4 | 4.5 | 5 | 6 | 7 | 8 | 10 | 12 | 13 | |
|-------------------------|---------------------|------------------|------|------|------------|------|------|------------|------|------|------------|-------|-------|-----------|-------|-------|-------|-------|--------|------|
| Spring Pins | External Diameter D | Max. | 1.2 | 1.4 | 1.6 | 1.7 | 1.8 | 2.25 | 2.75 | 3.25 | 3.9 | 4.4 | 4.9 | 5.4 | 6.4 | 7.6 | 8.6 | 10.6 | 12.6 | 13.7 |
| | | Min. | 1.1 | 1.3 | 1.5 | 1.6 | 1.7 | 2.15 | 2.65 | 3.15 | 3.7 | 4.2 | 4.7 | 5.2 | 6.2 | 7.3 | 8.3 | 10.3 | 12.3 | 13.4 |
| | t(Ref.) | 0.2 | 0.25 | 0.28 | 0.3 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1 | 1.2 | 1.4 | 1.6 | 2 | 2 | 2.5 | |
| Double Shear Load | kN | 0.69 | 1.02 | 1.35 | 1.55 | 1.68 | 2.76 | 4.31 | 6.20 | 8.45 | 10.80 | 13.96 | 17.25 | 24.83 | 33.83 | 44.13 | 68.94 | 86.22 | 112.78 | |
| Applicable Holes (Ref.) | Diameter | 1 | 1.2 | 1.4 | 1.5 | 1.6 | 2 | 2.5 | 3 | 3.5 | 4 | 4.5 | 5 | 6 | 7 | 8 | 10 | 12 | 13 | |
| | Tolerance | +0.08 0 | | | +0.09 0 | | | +0.12 0 | | | +0.15 0 | | | +0.2 0 | | | | | | |
| Length L | Tolerance | Nominal Diameter | | | | | | | | | | | | | | | | | | |
| | | 1 | 1.2 | 1.4 | 1.5 | 1.6 | 2 | 2.5 | 3 | 3.5 | 4 | 4.5 | 5 | 6 | 7 | 8 | 10 | 12 | 13 | |
| 4 | +0.5 0 | ○ | ○ | ○ | ○ | ○ | ○ | | | | | | | | | | | | | |
| 5 | | ○ | ○ | ○ | ○ | ○ | ○ | ○ | | | | | | | | | | | | |
| 6 | | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | | | | | | | | | | | |
| 7 | | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | | | | | | | | | | |
| 8 | | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | | | | | | | | | |
| 9 | | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | | | | | | | | |
| 10 | | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | | | | | | | |
| 11 | | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | | | | | | |
| 12 | | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | | | | | |
| 13 | | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | | | | |
| 14 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | | | | |
| 15 | | | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | | | |
| 16 | | | | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | | |
| 17 | | | | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | |
| 18 | | | | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | |
| 19 | | | | | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | |
| 20 | | | | | | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | |
| 21 | | | | | | | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | |
| 22 | | | | | | | | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | |
| 24 | +1 0 | | | | | | | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | |
| 25 | | | | | | | | | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | |
| 26 | | | | | | | | | | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | |
| 27 | | | | | | | | | | | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | |
| 28 | | | | | | | | | | | | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | |
| 29 | | | | | | | | | | | | | ○ | ○ | ○ | ○ | ○ | ○ | ○ | |
| 30 | | | | | | | | | | | | | | ○ | ○ | ○ | ○ | ○ | ○ | |
| 32 | | | | | | | | | | | | | | | ○ | ○ | ○ | ○ | ○ | |
| 35 | | | | | | | | | | | | | | | | ○ | ○ | ○ | ○ | |
| 36 | | | | | | | | | | | | | | | | | ○ | ○ | ○ | |
| 40 | | | | | | | | | | | | | | | | | ○ | ○ | | |
| 45 | | | | | | | | | | | | | | | | | | ○ | | |
| 50 | | | | | | | | | | | | | | | | | | | ○ | |
| 55 | | | | | | | | | | | | | | | | | | | ○ | |
| 56 | +1.5 0 | | | | | | | | | | | | | | | | | | ○ | |
| 60 | | | | | | | | | | | | | | | | | | | ○ | |
| 63 | | | | | | | | | | | | | | | | | | | ○ | |
| 70 | | | | | | | | | | | | | | | | | | | ○ | |
| 75 | | | | | | | | | | | | | | | | | | | ○ | |
| 80 | | | | | | | | | | | | | | | | | | | ○ | |
| 85 | | | | | | | | | | | | | | | | | | | ○ | |
| 90 | | | | | | | | | | | | | | | | | | | ○ | |
| 95 | | | | | | | | | | | | | | | | | | | ○ | |
| 100 | | | | | | | | | | | | | | | | | | | ○ | |

Remarks: 1. The maximal measurement for "D" is the maximal measurement of the circumference of the pin. The minimum measurement is: 1/3 (D1 + D2 + D3) of the pin.
2. Refer to Technical Information page T6 for instructions for use.

Notes: 1. Please contact us for stock availability even if it is described as "○". Availability of stock changes depending on supply and demand.
2. Customer-specified dimensioning and material available upon request.
3. There is a limited supply of Stainless Steel over 2.5mm thick. Please confirm availability.

| | | | | | |
|--------------|---|---------------|--|---|--|
| Product code | 103 | Material code | 08 ···SUS420J2 70 ···Spring Steel | Part Number Structure (Standardized Product Code) | |
| Surface code | 01 ···Burnished (SUS420J2) 03 ···Temper Color (Spring Steel) | Hardness | HRC42 - 48 (SUS420J2) HRC45 - 53 (Spring Steel) | Example: φ 4 × ℓ 10 Product Surface Material Nominal Diameter Length (1)(0)(3)○○○○- (4)(0)(0)(1)(0) | |
| | | | | For φ 10, Nominal Diameter becomes 90. | |