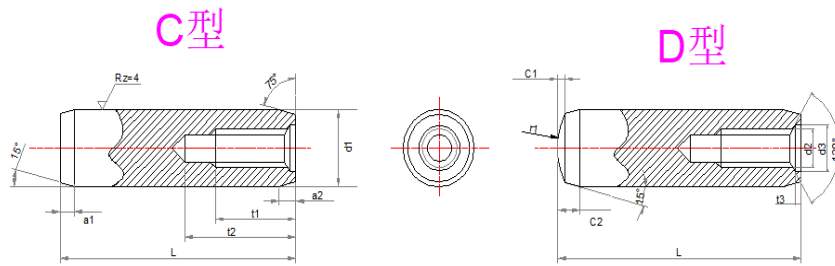


DIN 7979 - 1977  
内螺纹圆柱销  
Internal threaded cylindrical pin



|       | nominal diameter | φ 6   | φ 8   | φ 10   | φ 12   | φ 14   | φ 16   | φ 20   | φ 25   | φ 30   | φ 40   | φ 50   | φ 60   | φ 70   | φ 80   |
|-------|------------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| $d_1$ | Max (m6)         | 6.012 | 8.015 | 10.015 | 12.018 | 14.018 | 16.018 | 20.021 | 25.021 | 30.021 | 40.025 | 50.025 | 60.03  | 70.03  | 80.03  |
|       | min (m6)         | 6.004 | 8.006 | 10.006 | 12.007 | 14.007 | 16.007 | 20.008 | 25.008 | 30.008 | 40.009 | 50.009 | 60.011 | 70.011 | 80.011 |
| $a_1$ | ≈                | 1.2   | 1.6   | 2      | 2.5    | 2.5    | 3      | 3.5    | 4      | 5      | 6.3    | 8      | 10     | 12     | 14     |
| $a_2$ | ≈                | 0.8   | 1     | 1.2    | 1.6    | 1.8    | 2      | 2.5    | 3      | 4      | 5      | 6.3    | 8      | 10     | 12     |
| $c_1$ | ≈                | 0.6   | 0.8   | 1      | 1.2    | 1.4    | 1.6    | 2      | 2.5    | 3      | 4      | 5      | 6      | 7      | 8      |
| $c_2$ | ≈                | 2.1   | 2.6   | 3      | 3.8    | 4      | 4.7    | 6      | 6      | 7      | 8      | 10     | 12     | 14     | 16     |
| $d_2$ |                  | M4    | M5    | M6     | M6     | M8     | M8     | M10    | M16    | M20    | M20    | M24    | M30    | M36    | M42    |
| $d_3$ |                  | 4.3   | 5.3   | 6.4    | 6.4    | 8.4    | 8.4    | 10.5   | 17     | 21     | 21     | 25     | 31     | 37     | 43     |
| $t_1$ |                  | 6     | 8     | 10     | 10     | 12     | 12     | 16     | 24     | 30     | 30     | 36     | 40     | 54     | 63     |
| $t_2$ | min              | 10    | 12    | 16     | 16     | 20     | 20     | 25     | 34     | 42     | 42     | 50     | 56     | 71     | 82     |
| $t_3$ |                  | 1     | 1.2   | 1.2    | 1.2    | 1.2    | 1.5    | 1.5    | 2      | 2      | 2.5    | 2.5    | 3.4    | 4      | 5      |

Note: For D-type pins, other tolerance zones, such as d6, h8, and k6, can be selected through negotiation between the supplier and the demander. The selected tolerance code must be indicated in the part model marking.

|                       |                                                                                                                                                                                                                        |                                                                                             |                                                            |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|------------------------------------------------------------|
| "L"<br>(JS15)         | $6 < L \leq 10 = \pm 0.29$<br>$30 < L \leq 50 = \pm 0.5$<br>$120 < L \leq 180 = \pm 0.8$                                                                                                                               | $10 < L \leq 18 = \pm 0.35$<br>$50 < L \leq 80 = \pm 0.6$<br>$180 < L \leq 250 = \pm 0.925$ | $18 < L \leq 30 = \pm 0.42$<br>$80 < L \leq 120 = \pm 0.7$ |
| Material and hardness | Type C: Material 9SMnPb28K (DIN 1651)<br>Type D: Steel with tensile strength not less than 600N/mm <sup>2</sup> ; quenching treatment; hardness 60 ± 2 HRC<br>Other materials as agreed between customer and supplier. |                                                                                             |                                                            |
| Product Manufacturing | Dimensions without specified tolerances: DIN 7168 :C                                                                                                                                                                   |                                                                                             |                                                            |
| roughness             | Rz4                                                                                                                                                                                                                    |                                                                                             |                                                            |
| Technical Requirement | DIN 267 Part 1.                                                                                                                                                                                                        |                                                                                             |                                                            |

Note: This standard has been replaced by DIN EN ISO 8735-2019.