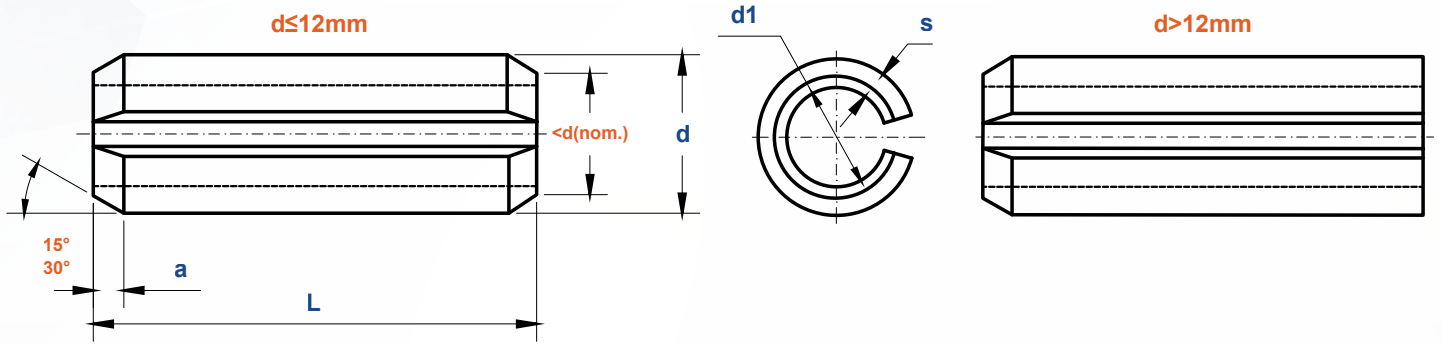




| Nominal Diameter<br>d   |                 |     | Φ1   | Φ1.5 | Φ2   | Φ2.5 | Φ3   | Φ3.5 | Φ4    | Φ4.5  | Φ5    | Φ6    | Φ8    | Φ10   | Φ12   | Φ13   |
|-------------------------|-----------------|-----|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| d                       | before mounting | min | 1.2  | 1.7  | 2.3  | 2.8  | 3.3  | 3.8  | 4.4   | 4.9   | 5.4   | 6.4   | 8.5   | 10.5  | 12.5  | 13.5  |
|                         |                 | max | 1.3  | 1.8  | 2.4  | 2.9  | 3.5  | 4    | 4.6   | 5.1   | 5.6   | 6.7   | 8.8   | 10.8  | 12.8  | 13.8  |
| d <sub>1</sub>          | before mounting | ≈   | 0.8  | 1.1  | 1.5  | 1.8  | 2.1  | 2.3  | 2.8   | 2.9   | 3.4   | 4     | 5.5   | 6.5   | 7.5   | 8.5   |
| a                       | min             |     | 0.15 | 0.25 | 0.35 | 0.4  | 0.5  | 0.6  | 0.65  | 0.8   | 0.9   | 1.2   | 2     | 2     | 2     | 2     |
|                         | max             |     | 0.35 | 0.45 | 0.55 | 0.6  | 0.7  | 0.8  | 0.85  | 1     | 1.1   | 1.4   | 2.4   | 2.4   | 2.4   | 2.4   |
| s                       |                 |     | 0.2  | 0.3  | 0.4  | 0.5  | 0.6  | 0.75 | 0.8   | 1     | 1     | 1.2   | 1.5   | 2     | 2.5   | 2.5   |
| Minimum Double Shear,kN |                 |     | 0.7  | 1.58 | 2.82 | 4.38 | 6.32 | 9.06 | 11.24 | 15.36 | 17.54 | 26.04 | 42.76 | 70.16 | 104.1 | 115.1 |

| Nominal Diameter<br>d   |                 |     | Φ14   | Φ16  | Φ18   | Φ20   | Φ21   | Φ25   | Φ28   | Φ30   | Φ32  | Φ35  | Φ38  | Φ40  | Φ45  | Φ50  |
|-------------------------|-----------------|-----|-------|------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|
| d                       | before mounting | min | 14.5  | 16.5 | 18.5  | 20.5  | 21.5  | 25.5  | 28.5  | 30.5  | 32.5 | 35.5 | 38.5 | 40.5 | 45.5 | 50.5 |
|                         |                 | max | 14.8  | 16.8 | 18.9  | 20.9  | 21.9  | 25.9  | 28.9  | 30.9  | 32.9 | 35.9 | 38.9 | 40.9 | 45.9 | 50.9 |
| d <sub>1</sub>          | before mounting | ≈   | 8.5   | 10.5 | 11.5  | 12.5  | 13.5  | 15.5  | 17.5  | 18.5  | 20.5 | 21.5 | 23.5 | 25.5 | 28.5 | 31.5 |
| a                       | min             |     | 2     | 2    | 2     | 3     | 3     | 3     | 3     | 3     | 3    | 3    | 4    | 4    | 4    | 4    |
|                         | max             |     | 2.4   | 2.4  | 2.4   | 3.4   | 3.4   | 3.4   | 3.4   | 3.4   | 3.6  | 3.6  | 4.6  | 4.6  | 4.6  | 4.6  |
| s                       |                 |     | 3     | 3    | 3.5   | 4     | 4     | 5     | 5.5   | 6     | 6    | 7    | 7.5  | 7.5  | 8.5  | 9.5  |
| Minimum Double Shear,kN |                 |     | 144.7 | 171  | 222.5 | 280.6 | 298.2 | 438.5 | 542.6 | 631.4 | 684  | 859  | 1003 | 1068 | 1360 | 1685 |