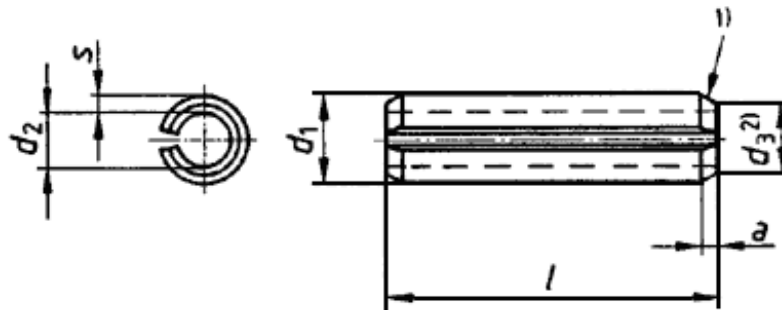


## Dimensions – Metric ISO 13337 (formerly DIN 7346) – Light Duty

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| Diameter<br>Nominal | Before Insertion |           | Chamfer<br>Length |      | Wall<br>Thickness |      | Recommended Hole<br>Size |       | Double Shear in<br>kN (2 |
|---------------------|------------------|-----------|-------------------|------|-------------------|------|--------------------------|-------|--------------------------|
|                     | d1               | d2<br>(1) | a                 | s    | Min               | Max  |                          |       |                          |
|                     |                  |           |                   |      |                   |      |                          |       |                          |
| 2                   | 2.3              | 2.4       | 1.9               | 0.2  | 0.4               | 0.2  | 2.0                      | 2.1   | 1.5                      |
| 2.5                 | 2.8              | 2.9       | 2.3               | 0.25 | 0.45              | 0.25 | 2.5                      | 2.6   | 2.4                      |
| 3                   | 3.3              | 3.5       | 2.7               | 0.25 | 0.45              | 0.3  | 3.0                      | 3.1   | 3.5                      |
| 3.5                 | 3.8              | 4.0       | 3.1               | 0.3  | 0.5               | 0.35 | 3.5                      | 3.65  | 4.6                      |
| 4                   | 4.4              | 4.6       | 3.4               | 0.5  | 0.7               | 0.5  | 4.0                      | 4.15  | 8.0                      |
| 4.5                 | 4.8              | 5.1       | 3.9               | 0.5  | 0.7               | 0.5  | 4.5                      | 4.65  | 8.8                      |
| 5                   | 5.4              | 5.6       | 4.4               | 0.5  | 0.7               | 0.5  | 5.0                      | 5.15  | 10.4                     |
| 6                   | 6.4              | 6.7       | 4.9               | 0.07 | 0.9               | 0.75 | 5.6                      | 6.15  | 18.0                     |
| 8                   | 8.5              | 8.8       | 7.0               | 1.5  | 1.8               | 0.75 | 8.0                      | 8.25  | 24.0                     |
| 10                  | 10.5             | 10.8      | 8.5               | 2.0  | 2.4               | 1.0  | 10.0                     | 10.25 | 40.0                     |
| 12                  | 12.5             | 12.8      | 10.5              | 2.0  | 2.4               | 1.0  | 12.0                     | 12.3  | 48.0                     |

### Note

(1) For information only.

(2) Double shear is only applicable to carbon and 420 stainless steel. Double shear is not specified for 300 series stainless steel.

Pins 13 through 50 m nominal diameter also available.

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