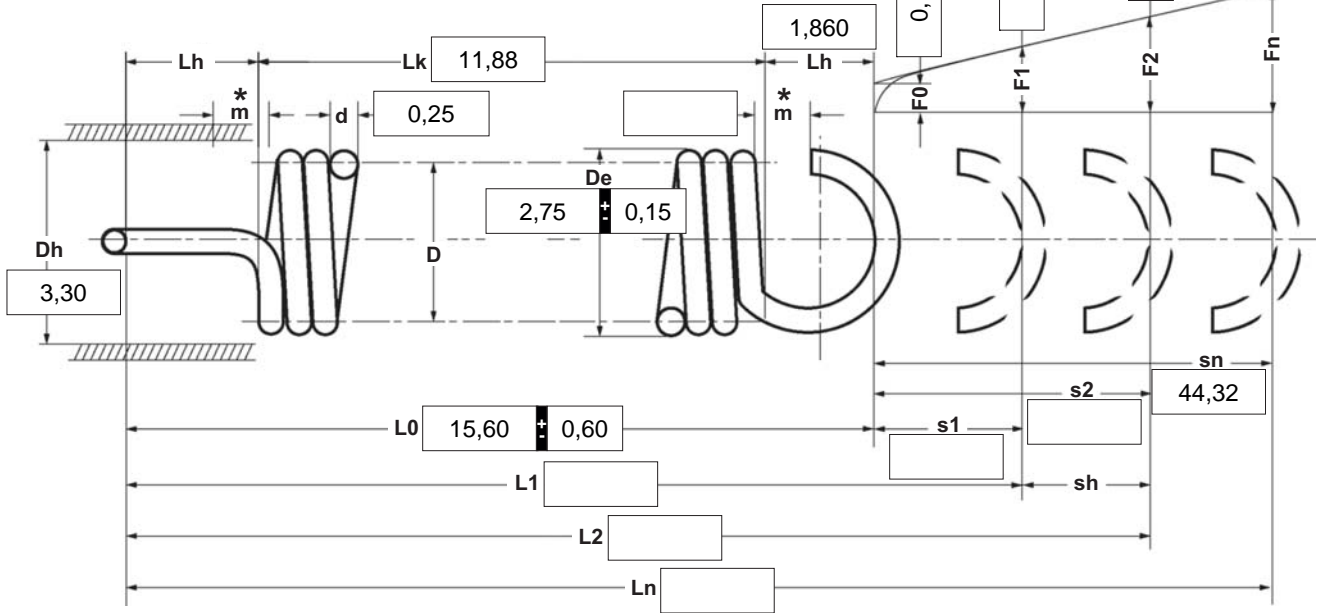


|       |                                  |        |                               |
|-------|----------------------------------|--------|-------------------------------|
| d mm  | Wire diameter                    | L1 mm  | Prestressed spring length     |
| D mm  | Mean coil diameter               | L2 mm  | Loaded spring length          |
| De mm | Outer coil diameter              | Ln mm  | Maximum spring length         |
| Dh mm | Minimum diameter of bush         | m mm   | Loop opening width            |
| F0 N  | Initial tension                  | n pc.  | Number of aktive coils        |
| F1 N  | Prestressed spring force         | nt pc. | Total number of coils         |
| F2 N  | Loaded spring force              | s1 mm  | Prestressed spring deflection |
| Fn N  | Maximum spring force             | s2 mm  | Loaded spring deflection      |
| Lh mm | Loop height                      | sn mm  | Maximum spring deflection     |
| Lk mm | Lenght of unstressed spring body | sh mm  | Excursion                     |
| L0 mm | Unstressed spring length         | R N/mm | Spring rate                   |

Weight g Weight of one spring

\*Loops are stocked without openings (m = 0,00). However it is possible to have an opening cut into the loop at an extra cost, without causing any delay.



Spring test acc. to DIN ISO 2859/1 test level II

| <b>1 Coiling direction</b><br><input type="checkbox"/> left <input checked="" type="checkbox"/> right   | <b>4 Stress cyc. end. N</b> <input type="text"/>   | <b>10 Tolerances to DIN 2097</b><br><table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Grade</th> <th>De,Di,D</th> <th>L0</th> <th>F0-Fn</th> <th>Loops</th> <th>Wire diameter d to DIN 2076</th> </tr> </thead> <tbody> <tr> <td>1</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>2</td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>3</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> </tbody> </table> | Grade                               | De,Di,D                             | L0                                  | F0-Fn | Loops | Wire diameter d to DIN 2076 | 1 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 2 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 3 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|---|--|---|-------------------------------------|-------------------------------------|-------------------------------------|-------|-------|-----------------------------|---|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|---|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------------------|
| Grade   | De,Di,D  | L0  | F0-Fn                               | Loops                               | Wire diameter d to DIN 2076         |       |       |                             |   |                          |                          |                          |                          |                          |   |                                     |                                     |                                     |                                     |                                     |   |                          |                          |                          |                          |                                     |
| 1   | <input type="checkbox"/>   | <input type="checkbox"/>  | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            |       |       |                             |   |                          |                          |                          |                          |                          |   |                                     |                                     |                                     |                                     |                                     |   |                          |                          |                          |                          |                                     |
| 2   | <input checked="" type="checkbox"/>  | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |       |       |                             |   |                          |                          |                          |                          |                          |   |                                     |                                     |                                     |                                     |                                     |   |                          |                          |                          |                          |                                     |
| 3   | <input type="checkbox"/>   | <input type="checkbox"/>  | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |       |       |                             |   |                          |                          |                          |                          |                          |   |                                     |                                     |                                     |                                     |                                     |   |                          |                          |                          |                          |                                     |
| <b>2 Loop shape and loop position</b><br>Loop shape<br><input type="text" value="1/1 German loop"/><br><br>Loops offset to one another by <input type="text" value="180,0"/> $\pm$ <input type="text" value="44,0"/> degrees (in the dir. of the right helix) | <b>5 Stress cycle frequ. n</b> <input type="text" value=""/> / <input type="text" value=""/> | <b>6 Application temp.</b> <input type="text" value=""/> °C   |                                     |                                     |                                     |       |       |                             |   |                          |                          |                          |                          |                          |   |                                     |                                     |                                     |                                     |                                     |   |                          |                          |                          |                          |                                     |
| <b>3 Excursion sh</b> <input type="text" value=""/> mm  | <b>7 Material</b><br><input type="text" value="EN 10270-1"/>                                 | <b>11 Production compensation through</b><br>A spring resistance, associated length of tensed spring and L0 <input type="checkbox"/> F0, D <input checked="" type="checkbox"/><br>A spring resistance, associated length of tensed spring and F0 <input type="checkbox"/> L0, n, d <input type="checkbox"/><br>L0, D <input type="checkbox"/><br>Two spring resistances and associated length of tensed spring <input type="checkbox"/> L0, n, d <input type="checkbox"/><br>F0, D <input type="checkbox"/>   |                                     |                                     |                                     |       |       |                             |   |                          |                          |                          |                          |                          |   |                                     |                                     |                                     |                                     |                                     |   |                          |                          |                          |                          |                                     |
| <b>8 Wire or rod surface</b><br><input checked="" type="checkbox"/> drawn <input type="checkbox"/> rolled <input type="checkbox"/> metal-cut  |  | <b>9 Surface treatment</b><br><input type="text" value=""/>   |                                     |                                     |                                     |       |       |                             |   |                          |                          |                          |                          |                          |   |                                     |                                     |                                     |                                     |                                     |   |                          |                          |                          |                          |                                     |

**Remarks**  
 Zem pvodu: DE | islo celního sazebníku: 73202085

**Prices**

| Stupnice množství | Jedn. cena [EUR] |
|-------------------|------------------|
| 1                 | 5,9800 €         |
| 2                 | 3,7700 €         |
| 3                 | 2,1900 €         |
| 7                 | 1,8300 €         |
| 17                | 0,8300 €         |
| 37                | 0,5500 €         |
| 75                | 0,3300 €         |
| 125               | 0,3142 €         |
| 175               | 0,3080 €         |
| 250               | 0,3019 €         |
| 350               | 0,2956 €         |
| 450               | 0,2885 €         |