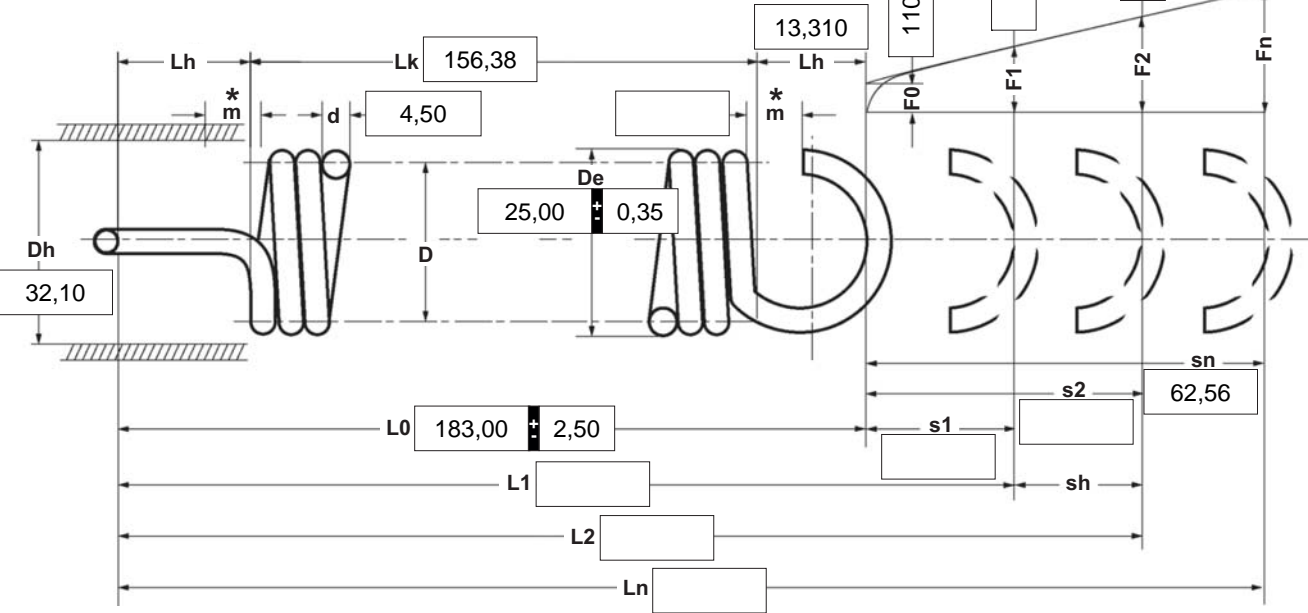


| | | | |
|-------|----------------------------------|--------|-------------------------------|
| d mm | Wire diameter | L1 mm | Prestressed spring length |
| D mm | Mean coil diameter | L2 mm | Loaded spring length |
| De mm | Outer coil diameter | Ln mm | Maximum spring length |
| Dh mm | Minimum diameter 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

| 1 Coiling direction <input type="checkbox"/> left <input checked="" type="checkbox"/> right | 4 Stress cyc. end. N <input type="text"/> | 10 Tolerances to DIN 2097 <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"/> | | | | | | | | | | | | | | | | | | | | | |
| 2 Loop shape and loop position Loop shape <input type="text" value="1/1 German loop"/> Loops offset to one another by <input type="text" value="270,0"/> \pm <input type="text" value="31,0"/> degrees (in the dir. of the right helix) | 5 Stress cycle frequ. n <input type="text" value=""/> / <input type="text" value=""/> | 6 Application temp. <input type="text" value=""/> °C | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 Excursion sh <input type="text" value=""/> mm | 7 Material <input type="text" value="EN 10270-1"/> | 11 Production compensation through <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td>A spring resistance, associated length of tensed spring and L0</td> <td>F0, D</td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>A spring resistance, associated length of tensed spring and F0</td> <td>L0, n, d</td> <td><input type="checkbox"/></td> </tr> <tr> <td></td> <td>L0, D</td> <td><input type="checkbox"/></td> </tr> <tr> <td>Two spring resistances and associated length of tensed spring</td> <td>L0, n, d</td> <td><input type="checkbox"/></td> </tr> <tr> <td></td> <td>F0, D</td> <td><input type="checkbox"/></td> </tr> </table> | A spring resistance, associated length of tensed spring and L0 | F0, D | <input checked="" type="checkbox"/> | A spring resistance, associated length of tensed spring and F0 | L0, n, d | <input type="checkbox"/> | | L0, D | <input type="checkbox"/> | Two spring resistances and associated length of tensed spring | L0, n, d | <input type="checkbox"/> | | F0, D | <input type="checkbox"/> | | | | | | | | | |
| A spring resistance, associated length of tensed spring and L0 | F0, D | <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | |
| A spring resistance, associated length of tensed spring and F0 | L0, n, d | <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | |
| | L0, D | <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | |
| Two spring resistances and associated length of tensed spring | L0, n, d | <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | |
| | F0, D | <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | |
| Remarks País de origen: DE Número de arancel aduanero: 73202085 | | 9 Surface treatment <input type="text"/> | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Prices <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Cantidad progresiva</th> <th>Precio unidad [EUR]</th> </tr> </thead> <tbody> <tr><td>1</td><td>13,5300 €</td></tr> <tr><td>2</td><td>10,7800 €</td></tr> <tr><td>3</td><td>6,2300 €</td></tr> <tr><td>7</td><td>4,2800 €</td></tr> <tr><td>17</td><td>2,7100 €</td></tr> <tr><td>37</td><td>2,3100 €</td></tr> <tr><td>75</td><td>2,2200 €</td></tr> <tr><td>125</td><td>2,1813 €</td></tr> <tr><td>175</td><td>2,1735 €</td></tr> <tr><td>250</td><td>2,1481 €</td></tr> <tr><td>350</td><td>2,0967 €</td></tr> </tbody> </table> | Cantidad progresiva | Precio unidad [EUR] | 1 | 13,5300 € | 2 | 10,7800 € | 3 | 6,2300 € | 7 | 4,2800 € | 17 | 2,7100 € | 37 | 2,3100 € | 75 | 2,2200 € | 125 | 2,1813 € | 175 | 2,1735 € | 250 | 2,1481 € | 350 | 2,0967 € |
| Cantidad progresiva | Precio unidad [EUR] | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 13,5300 € | | | | | | | | | | | | | | | | | | | | | | | | | |
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