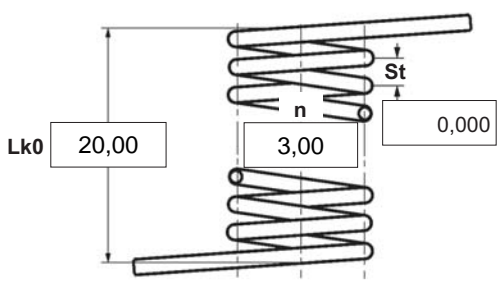


| | | |
|------------|--------|---------------------------------------|
| α | degree | Unstressed leg position |
| $\alpha 1$ | degree | Prestressed rotational angle |
| $\alpha 2$ | degree | Loaded rotational angle |
| αh | degree | Excursion |
| αn | degree | Maximum rotational angle |
| d | mm | Wire diameter |
| Ddmin | mm | Min. possible mandrel diameter |
| Ddmax | mm | Max. possible mandrel diameter |
| De | mm | Outer coil diameter |
| Di | mm | Inner coil diameter |
| F1 | N | Prestressed spring force |
| F2 | N | Loaded spring force |
| Lk0 | mm | Length of spring body when relaxed |
| LS | mm | Length of leg |
| M1 | Nmm | Prestressed torque |
| M2 | Nmm | Loaded torque |
| Mn | Nmm | Maximum torque |
| n | pc. | Active coils |
| RH | mm | Distance power flow point from centre |
| St | mm | Distance between coils (pitch) |
| Weight | g | Weight of one spring in grammes |



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

| 1 Coiling direction <input checked="checked" type="checkbox"/> left <input type="checkbox"/> right | 5 Excursion αh <input type="text"/> degr. | 12 Tolerances to DIN 2194 <table border="1" style="width:100%; border-collapse: collapse; font-size: small;"> <thead> <tr> <th>Grade</th> <th>Di</th> <th>Lk0</th> <th>LSH,LSR</th> <th>$\alpha, \alpha 1, \alpha 2$</th> <th>M1, M2</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> <td><input type="checkbox"/></td> </tr> <tr> <td>2</td> <td><input checked="checked" type="checkbox"/></td> <td><input checked="checked" type="checkbox"/></td> <td><input checked="checked" type="checkbox"/></td> <td><input checked="checked" type="checkbox"/></td> <td><input checked="checked" type="checkbox"/></td> <td><input 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 type="checkbox"/></td> <td><input checked="checked" type="checkbox"/></td> </tr> </tbody> </table> | Grade | Di | Lk0 | LSH,LSR | $\alpha, \alpha 1, \alpha 2$ | M1, M2 | Wire diameter d to DIN 2076 | 1 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 2 | <input checked="checked" type="checkbox"/> | <input checked="checked" type="checkbox"/> | <input checked="checked" type="checkbox"/> | <input checked="checked" type="checkbox"/> | <input checked="checked" type="checkbox"/> | <input type="checkbox"/> | 3 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="checked" type="checkbox"/> |
|--|--|---|--|--|--|--|------------------------------|----------|-----------------------------|----------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|----|--|--|--|--|--|--------------------------|---|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--|
| Grade | Di | Lk0 | LSH,LSR | $\alpha, \alpha 1, \alpha 2$ | M1, M2 | Wire diameter d to DIN 2076 | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | <input checked="checked" type="checkbox"/> | <input checked="checked" type="checkbox"/> | <input checked="checked" type="checkbox"/> | <input checked="checked" type="checkbox"/> | <input checked="checked" type="checkbox"/> | <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="checked" type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 Form of legs tangential, straight, no bends * <p>*We can also supply torsion springs with any form of leg for an extra charge.</p> | 6 Stress cyc. end. N <input type="text"/> | 13 Production compensation through A spring torque and the associated swing angle α <input checked="checked" type="checkbox"/> A spring torque and the associated swing angle and $\alpha 0$ α, n, d <input type="checkbox"/> Two spring resistances and the associated swing angle α, n, d <input type="checkbox"/> α, n, Di <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 Fixing Recumbent leg <input type="checkbox"/> Lever leg <input type="checkbox"/> | 7 Stress cycle frequ. n <input type="text"/> / <input type="text"/> | Prices <table style="width:100%; border-collapse: collapse;"> <tr> <td>Mennyiségi lépcsők</td> <td>Egységár (EUR)</td> </tr> <tr> <td>1</td> <td>6,4400 €</td> </tr> <tr> <td>2</td> <td>4,5400 €</td> </tr> <tr> <td>3</td> <td>4,3300 €</td> </tr> <tr> <td>7</td> <td>3,5700 €</td> </tr> <tr> <td>17</td> <td>2,3000 €</td> </tr> <tr> <td>37</td> <td>1,8300 €</td> </tr> <tr> <td>75</td> <td>1,7400 €</td> </tr> </table> | Mennyiségi lépcsők | Egységár (EUR) | 1 | 6,4400 € | 2 | 4,5400 € | 3 | 4,3300 € | 7 | 3,5700 € | 17 | 2,3000 € | 37 | 1,8300 € | 75 | 1,7400 € | | | | | | | | | | | | |
| Mennyiségi lépcsők | Egységár (EUR) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 6,4400 € | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 4,5400 € | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 4,3300 € | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 3,5700 € | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 75 | 1,7400 € | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 Load <input type="checkbox"/> in winding direction <input type="checkbox"/> against winding direction | 8 Application temp. <input type="text"/> °C | 10 Wire or rod surface <input checked="checked" type="checkbox"/> drawn <input type="checkbox"/> rolled <input type="checkbox"/> metal-cut | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Remarks Származási ország: DE Vámtarifaszám: 73202089 | 9 Material EN 10270-3-1.4310 | 11 Surface treatment <input type="text"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | |