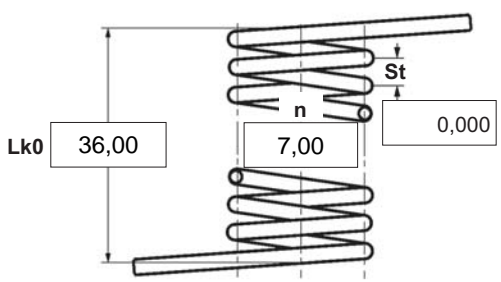





- $\alpha$  degree Unstressed leg position
- $\alpha 1$  degree Prestressed rotational angle
- $\alpha 2$  degree Loaded rotational angle
- $\alpha h$  degree Excursion
- $\alpha n$  degree Maximum rotational angle
- $d$  mm Wire diameter
- $Ddmin$  mm Min. possible mandrel diameter
- $Ddmax$  mm Max. 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

|   |  |
|---|--|
| <b>1 Coiling direction</b><br><input checked="" type="checkbox"/>  left <input type="checkbox"/>  right | <b>5 Excursion <math>\alpha h</math></b> <input type="text"/> degr.        |
| <b>2 Form of legs</b><br>tangential, straight, no bends *<br><br>*We can also supply torsion springs with any form of leg for an extra charge.   | <b>6 Stress cyc. end. N</b> <input type="text"/>                           |
| <b>3 Fixing</b><br>Recumbent leg <input type="checkbox"/> Lever leg <input type="checkbox"/>  | <b>7 Stress cycle frequ. n</b> <input type="text"/> / <input type="text"/> |
| <b>4 Load</b><br><input type="checkbox"/> in winding direction<br><input type="checkbox"/> against winding direction  | <b>8 Application temp.</b> <input type="text"/> °C                         |
| <b>Remarks</b><br>Country of origin: DE   Customs tariff number: 73202089   | <b>9 Material</b><br>EN 10270-3-1.4310                                     |
| <b>10 Wire or rod surface</b><br><input checked="" type="checkbox"/> drawn <input type="checkbox"/> rolled <input type="checkbox"/> metal-cut   | <b>11 Surface treatment</b><br><input type="text"/>                        |

| 12 Tolerances to DIN 2194 |                                     |                                     |                                     |                                     |                                     |                                     |  |
|---------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--|
| 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="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |  |
| 3                         | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |  |

| 13 Production compensation through                            |  |
|---|--|
| A spring torque and the associated swing angle                | $\alpha$ <input checked="" type="checkbox"/> |
| A spring torque and the associated swing angle and $\alpha 0$ | $n, d$ <input type="checkbox"/>              |
|   | $n, Di$ <input type="checkbox"/>             |
| Two spring resistances and the associated swing angle         | $\alpha, n, d$ <input type="checkbox"/>      |
|   | $\alpha, n, Di$ <input type="checkbox"/>     |

| Prices         |                    |
|----------------|--------------------|
| Quantity scale | Single price [EUR] |
| 1              | 6,3100 €           |
| 2              | 4,4500 €           |
| 3              | 4,2400 €           |
| 7              | 3,4500 €           |
| 17             | 2,2200 €           |
| 37             | 1,7500 €           |
| 75             | 1,6000 €           |