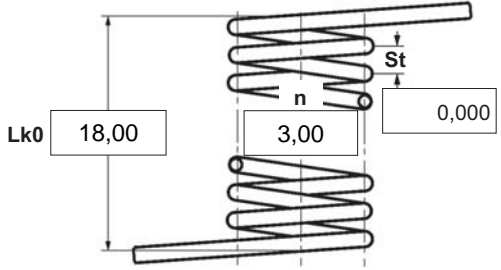





- α degree Unstressed leg position
- $\alpha 1$ degree Prestressed rotational angle
- $\alpha 2$ degree Loaded rotational angle
- αh degree Excursion
- αn degree Maximum rotational angle
- d mm Wire diameter
- Ddmin mm Min. possible mandrel diameter
- Ddmax mm Max. possible mandrel diameter
- De mm Outer 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

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

| | | | | | | | |
|----------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--|
| 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"/> | | |
| 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 type="checkbox"/> | <input checked="" type="checkbox"/> | |

| | |
|---|--|
| 13 Production compensation through | |
| A spring torque and the associated swing angle | α <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 | α, n, d <input type="checkbox"/> |
| | α, 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 € |