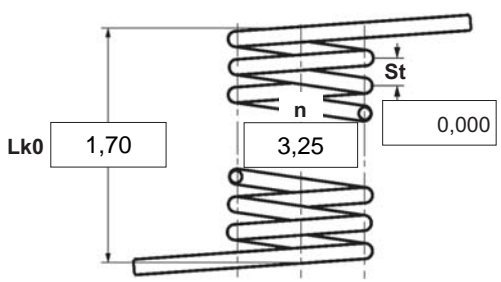


| | | |
|--------|--------|---------------------------------------|
| α | degree | Unstressed leg position |
| α1 | degree | Prestressed rotational angle |
| α2 | degree | Loaded rotational angle |
| αh | degree | Excursion |
| αn | degree | Maximum rotational angle |
| d | mm | Wire diameter |
| Ddmin | 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

left right

2 Form of legs

tangential, straight, no bends *

*We can also supply torsion springs with any form of leg for an extra charge.

3 Fixing

Recumbent leg Lever leg

4 Load

in winding direction against winding direction

5 Excursion αh degr.

6 Stress cyc. end. N

7 Stress cycle frequ. n /

8 Application temp. °C

9 Material
EN 10270-3-1.4310

10 Wire or rod surface
 drawn rolled metal-cut

11 Surface treatment

12 Tolerances to DIN 2194

| Grade | Di | Lk0 | LSH,LSR | α, α1, α2 | 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 | α | <input checked="" type="checkbox"/> |
| A spring torque and the associated swing angle and α0 | 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

| Cantidad progresiva | Precio unidad [EUR] |
|---------------------|---------------------|
| 1 | 5,1600 € |
| 2 | 3,6400 € |
| 3 | 3,4700 € |
| 7 | 2,4200 € |
| 17 | 1,1500 € |
| 37 | 0,8500 € |
| 75 | 0,6800 € |
| 125 | 0,4859 € |
| 175 | 0,4196 € |
| 250 | 0,3695 € |
| 350 | 0,3536 € |
| 450 | 0,3284 € |

Remarks

País de origen: DE | Número de arancel aduanero: 73202089