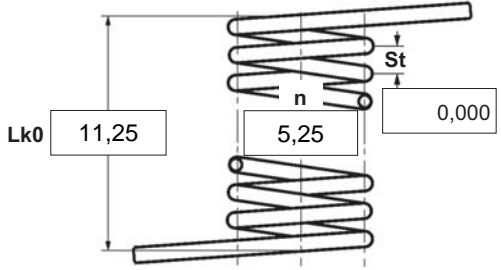


| | | |
|------------|--------|---------------------------------------|
| α | degree | Unstressed leg position |
| $\alpha 1$ | degree | Prestressed rotational angle |
| $\alpha 2$ | degree | Loaded rotational angle |
| αh | degree | Excursion |
| αn | degree | Maximum rotational angle |
| d | mm | Wire 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

 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 | $\alpha, \alpha 1, \alpha 2$ | 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 | 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

| Cantidad progresiva | Precio unidad [EUR] |
|---------------------|---------------------|
| 1 | 5,2700 € |
| 2 | 3,7200 € |
| 3 | 3,5400 € |
| 7 | 2,5100 € |
| 17 | 1,2200 € |
| 37 | 0,9000 € |
| 75 | 0,7300 € |
| 125 | 0,5070 € |
| 175 | 0,4444 € |
| 250 | 0,4132 € |
| 350 | 0,3853 € |
| 450 | 0,3536 € |

Remarks

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