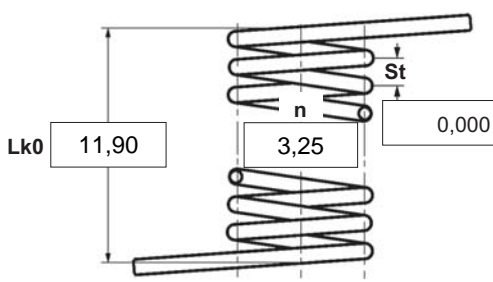


| | | |
|------------|--------|---------------------------------------|
| α | degree | Unstressed leg position |
| $\alpha 1$ | degree | Prestressed rotational angle |
| $\alpha 2$ | degree | Loaded rotational angle |
| αh | degree | Excursion |
| αn | degree | Maximum rotational angle |
| d | mm | Wire 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="" type="checkbox"/> left <input type="checkbox"/> right | 5 Excursion αh <input type="text"/> degr. |
| 2 Form of legs tangential, straight, no bends *  *We can also supply torsion springs with any form of leg for an extra charge. | 6 Stress cyc. end. N <input type="text"/> |
| 3 Fixing Recumbent leg <input type="checkbox"/> Lever leg <input type="checkbox"/> | 7 Stress cycle frequ. n <input type="text"/> / <input type="text"/> |
| 4 Load <input type="checkbox"/> in winding direction <input type="checkbox"/> against winding direction | 8 Application temp. <input type="text"/> °C |
| Remarks Country of origin: DE Customs tariff number: 73202089 | 9 Material EN 10270-3-1.4310 |
| | 10 Wire or rod surface <input checked="" type="checkbox"/> drawn <input type="checkbox"/> rolled <input type="checkbox"/> metal-cut |
| | 11 Surface treatment <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"/> | | |
| 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"/> |
| Two spring resistances and the associated swing angle | | | | | | n, Di | <input type="checkbox"/> |
| | | | | | | α, n, d | <input type="checkbox"/> |
| | | | | | | α, n, Di | <input type="checkbox"/> |

| | | |
|----------------|--------------------|--|
| Prices | | |
| Quantity scale | Single price [EUR] | |
| 1 | 5,5300 € | |
| 2 | 3,9000 € | |
| 3 | 3,7100 € | |
| 7 | 2,9000 € | |
| 17 | 1,4300 € | |
| 37 | 1,1000 € | |
| 75 | 0,9400 € | |
| 125 | 0,6511 € | |
| 175 | 0,6135 € | |
| 250 | 0,5760 € | |
| 350 | 0,5306 € | |
| 450 | 0,4927 € | |