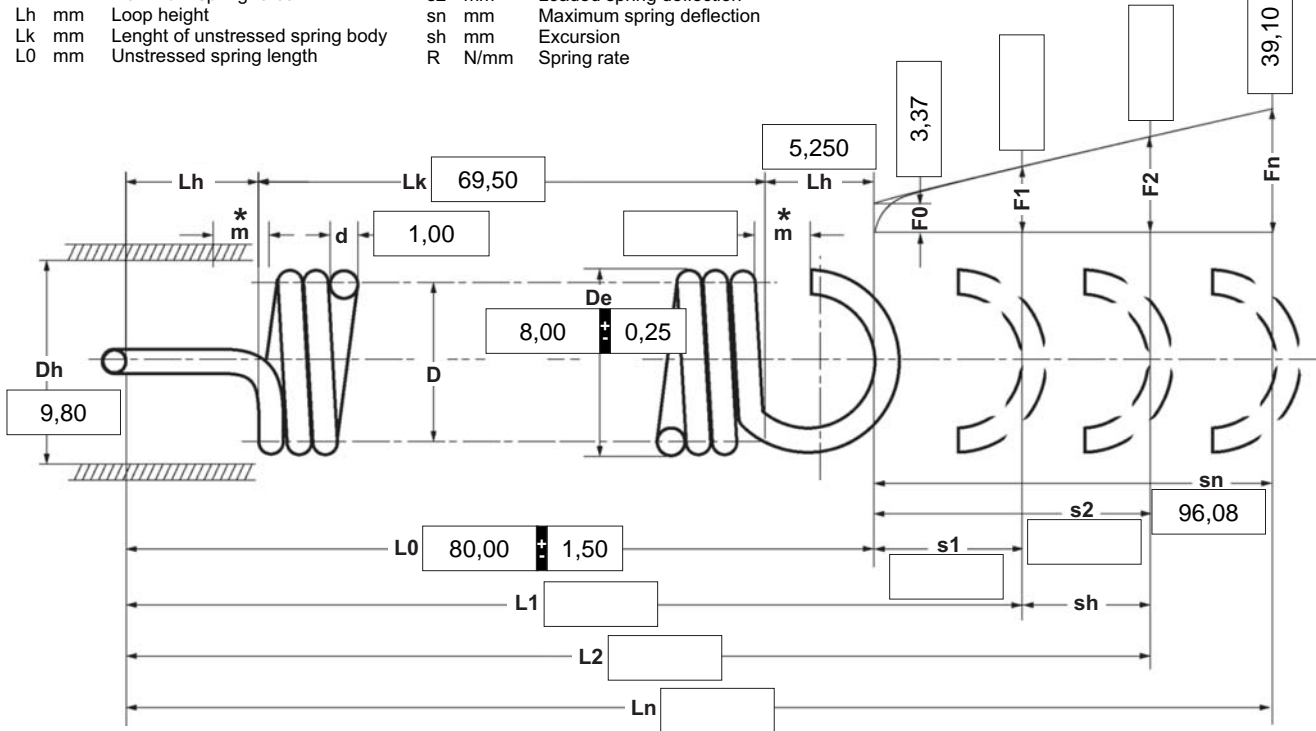


d mm Wire diameter
 D mm Mean coil diameter
 De mm Outer coil diameter
 Dh mm Minimum diameter of bush
 F0 N Initial tension
 F1 N Prestressed spring force
 F2 N Loaded spring force
 Fn N Maximum spring force
 Lh mm Loop height
 Lk mm Length of unstressed spring body
 L0 mm Unstressed spring length
 L1 mm Prestressed spring length
 L2 mm Loaded spring length
 Ln mm Maximum spring length
 Ln mm Maximum spring length
 m mm Loop opening width
 n pc. Number of active coils
 nt pc. Total number of coils
 s1 mm Prestressed spring deflection
 s2 mm Loaded spring deflection
 sn mm Maximum spring deflection
 sh mm Excursion
 R N/mm Spring rate

Weight g Weight of one spring

* Loops are stocked without openings (m = 0,00). However it is possible to have an opening cut into the loop at an extra cost, without causing any delay.



n nt R Weight

Spring test acc. to DIN ISO 2859/1 test level II

1 Coiling direction

left right

4 Stress cyc. end. N

5 Stress cycle frequ. n /

2 Loop shape and loop position

Loop shape

1/1 German loop

Loops offset to one another

by \pm degrees (in the dir. of the right helix)

6 Application temp. °C

7 Material

EN 10270-3-1.4310

3 Wire or rod surface

drawn rolled metal-cut

9 Surface treatment

10 Tolerances to DIN 2097

| Grade | De,Di,D | L0 | F0-Fn | Loops | 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 checked="" type="checkbox"/> |

11 Production compensation through

| | |
|--|---|
| A spring resistance, associated length of tensed spring and L0 | F0, D <input checked="" type="checkbox"/> |
| A spring resistance, associated length of tensed spring and F0 | L0, n, d <input type="checkbox"/> L0, D <input type="checkbox"/> |
| Two spring resistances and associated length of tensed spring | L0, n, d <input type="checkbox"/> F0, D <input type="checkbox"/> |

Remarks