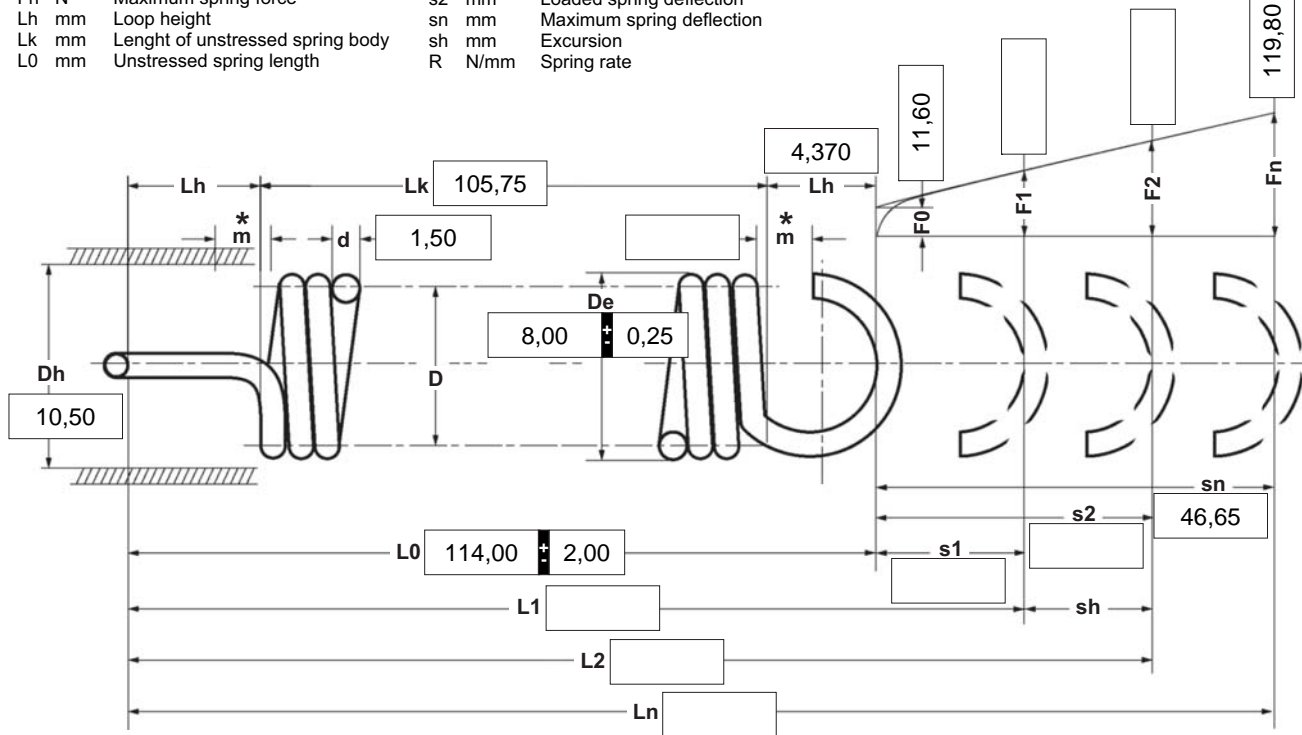


|       |                                  |        |                               |
|-------|----------------------------------|--------|-------------------------------|
| d mm  | Wire diameter                    | L1 mm  | Prestressed spring length     |
| D mm  | Mean coil diameter               | L2 mm  | Loaded spring length          |
| De mm | Outer coil diameter              | Ln mm  | Maximum spring length         |
| Dh mm | Minimum diameter of bush         | m mm   | Loop opening width            |
| F0 N  | Initial tension                  | n pc.  | Number of aktive coils        |
| F1 N  | Prestressed spring force         | nt pc. | Total number of coils         |
| F2 N  | Loaded spring force              | s1 mm  | Prestressed spring deflection |
| Fn N  | Maximum spring force             | s2 mm  | Loaded spring deflection      |
| Lh mm | Loop height                      | sn mm  | Maximum spring deflection     |
| Lk mm | Lenght of unstressed spring body | sh mm  | Excursion                     |
| L0 mm | Unstressed spring length         | 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 2,321 Weight 20,330

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  180,0  ± 44,0 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"/><br>L0, D <input type="checkbox"/> |
| Two spring resistances and associated length of tensed spring  | L0, n, d <input type="checkbox"/><br>F0, D <input type="checkbox"/> |

**Prices**

| Grupa ilociowa | Cena jednostkowa [EUR] |
|----------------|------------------------|
| 1              |                        |
| 2              | 6,7100 €               |
| 3              | 4,2300 €               |
| 7              | 3,0800 €               |
| 17             | 2,6300 €               |
| 37             | 1,3800 €               |
| 75             | 1,0500 €               |
| 125            | 0,8600 €               |
| 175            | 0,7979 €               |
| 250            | 0,7848 €               |
| 350            | 0,7607 €               |
| 450            | 0,7408 €               |
|                | 0,6532 €               |

**Remarks**

Kraj pochodzenia: DE | Numer taryfy celnej: 73202085