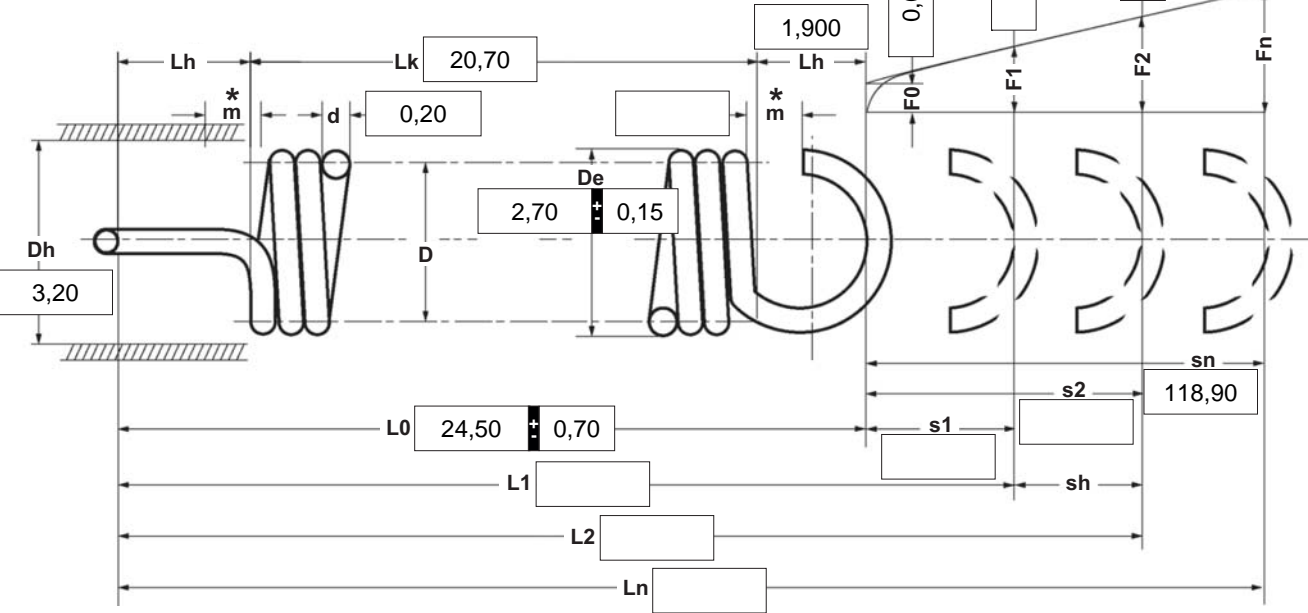


|       |                                  |        |                               |
|-------|----------------------------------|--------|-------------------------------|
| d mm  | Wire diameter                    | L1 mm  | Prestressed spring length     |
| D mm  | Mean coil diameter               | 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 active 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 | Length 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  Weight

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

**1 Coiling direction**

left  right

**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)

**3 Excursion sh**

mm

**4 Stress cyc. end. N**

**5 Stress cycle frequ. n**

/

**6 Application temp.**

°C

**7 Material**

EN 10270-3-1.4310

**8 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**

| Cantidad progresiva | Precio unidad [EUR] |
|---------------------|---------------------|
| 1                   | 6,3400 €            |
| 2                   | 3,9900 €            |
| 3                   | 2,6300 €            |
| 7                   | 2,1900 €            |
| 17                  | 1,1200 €            |
| 37                  | 0,7600 €            |
| 75                  | 0,5700 €            |
| 125                 | 0,5339 €            |
| 175                 | 0,5280 €            |
| 250                 | 0,5147 €            |
| 350                 | 0,4963 €            |
| 450                 | 0,4768 €            |

**Remarks**

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