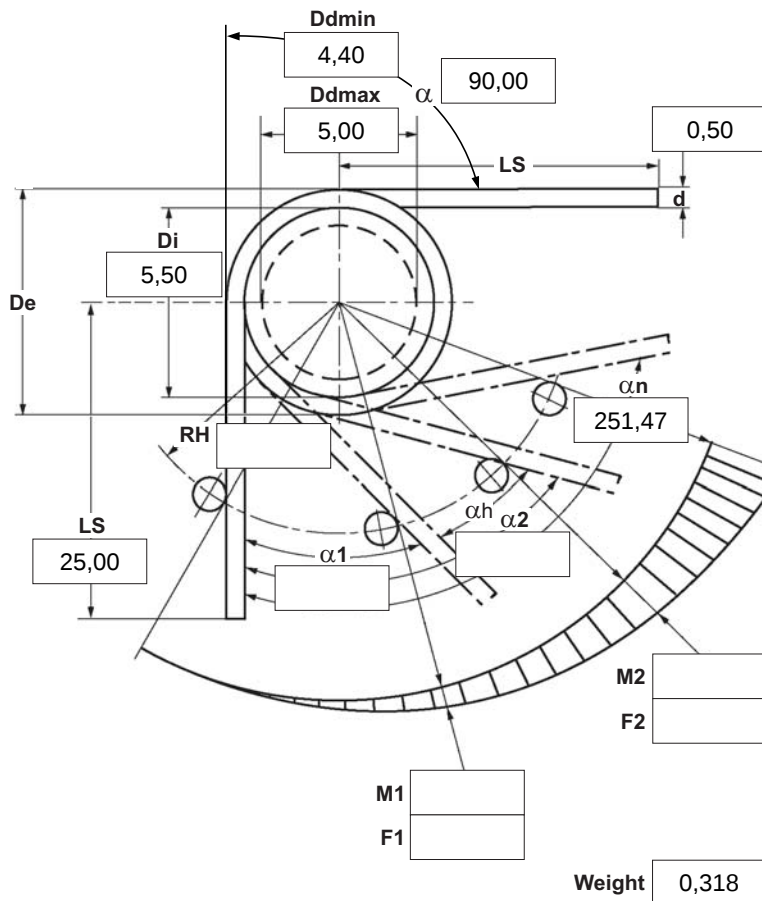
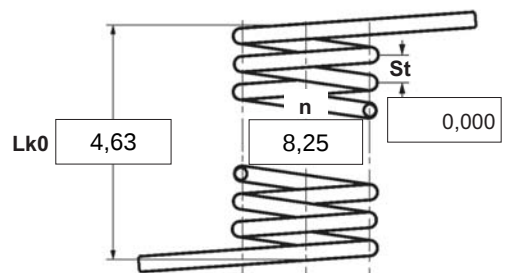


05.2025



α degree Unstressed leg position  
 α1 degree Prestressed rotational angle  
 α2 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  $\alpha_h$**   degr.

**6 Stress cyc. end.  $N$**

**7 Stress cycle frequ.  $n$**   /

**8 Application temp.**  °C

**9 Material**

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 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                | $\alpha$         | <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         | $\alpha$ , n, d  | <input type="checkbox"/>            |
|                                                               | $\alpha$ , n, Di | <input type="checkbox"/>            |

**Prices**

| Quantità progressive | Prezzo singolo [EUR] |
|----------------------|----------------------|
| 1                    | 5,1600 €             |
| 2                    | 3,6400 €             |
| 3                    | 3,4700 €             |
| 7                    | 2,4200 €             |
| 17                   | 1,1500 €             |
| 37                   | 0,8500 €             |
| 75                   | 0,6800 €             |
| 125                  | 0,4859 €             |
| 175                  | 0,4196 €             |
| 250                  | 0,3695 €             |
| 350                  | 0,3536 €             |
| 450                  | 0,3284 €             |

**Remarks**

Paese d'origine: DE | Numero della tariffa doganale: 73202089