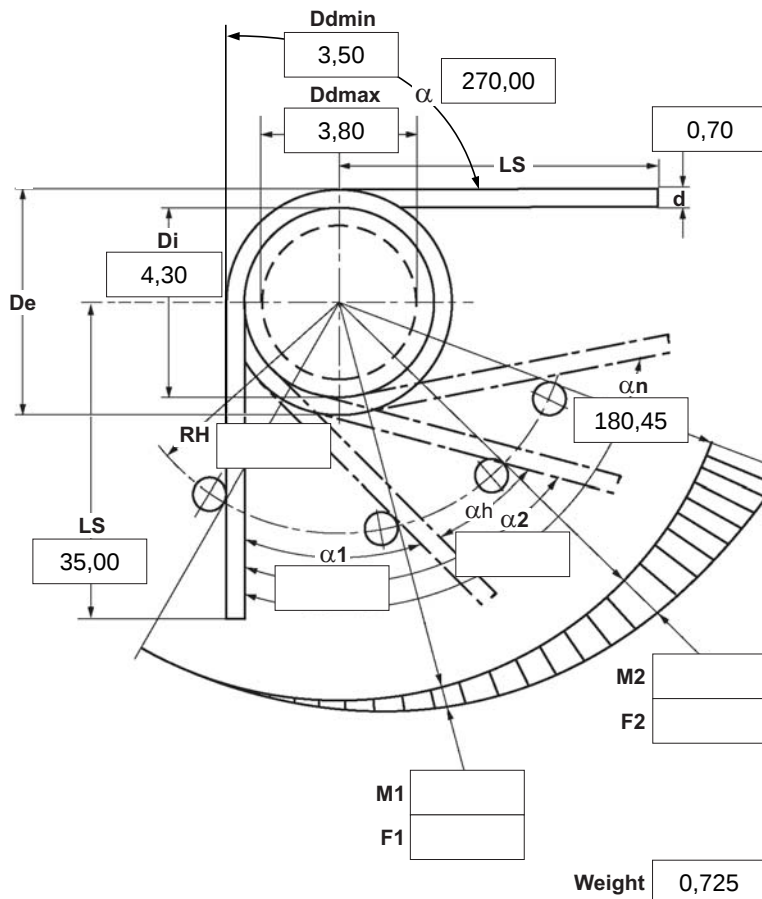
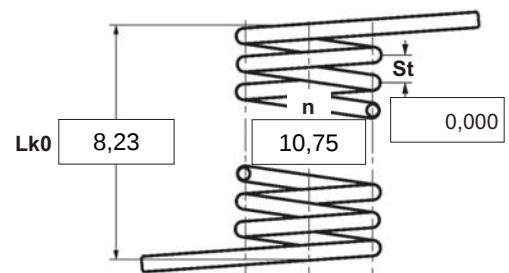


05.2025



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 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**

| Desconto por quantidade | Preço individual [EUR] |
|-------------------------|------------------------|
| 1                       | 5,1100 €               |
| 2                       | 3,6000 €               |
| 3                       | 3,4300 €               |
| 7                       | 2,2200 €               |
| 17                      | 1,1200 €               |
| 37                      | 0,7400 €               |
| 75                      | 0,5500 €               |
| 125                     | 0,4570 €               |
| 175                     | 0,4069 €               |
| 250                     | 0,3567 €               |
| 350                     | 0,3095 €               |
| 450                     | 0,2652 €               |

**Remarks**

País de origem: DE | Número de tarifa alfandegária: 73202089