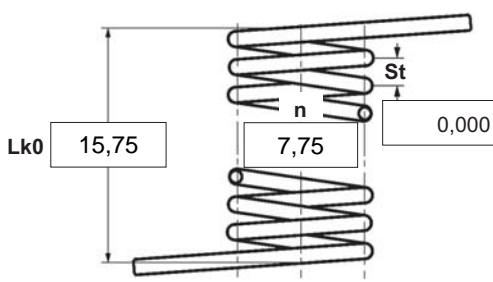


- $\alpha$  degree Unstressed leg position
- $\alpha_1$  degree Prestressed rotational angle
- $\alpha_2$  degree Loaded rotational angle
- $\alpha_h$  degree Excursion
- $\alpha_n$  degree Maximum rotational angle
- d mm Wire diameter
- Ddmin mm Min. possible mandrel diameter
- Ddmax mm Max. possible 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

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

**5 Excursion  $\alpha_h$**   degr.

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

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

**8 Application temp.**  °C

**9 Material**  
 EN 10270-3-1.4310

**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"/>            |                                     |
| 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 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                       | 5,2700 €               |
| 2                       | 3,7200 €               |
| 3                       | 3,5400 €               |
| 7                       | 2,5100 €               |
| 17                      | 1,2200 €               |
| 37                      | 0,9000 €               |
| 75                      | 0,7300 €               |
| 125                     | 0,5070 €               |
| 175                     | 0,4444 €               |
| 250                     | 0,4132 €               |
| 350                     | 0,3853 €               |
| 450                     | 0,3536 €               |