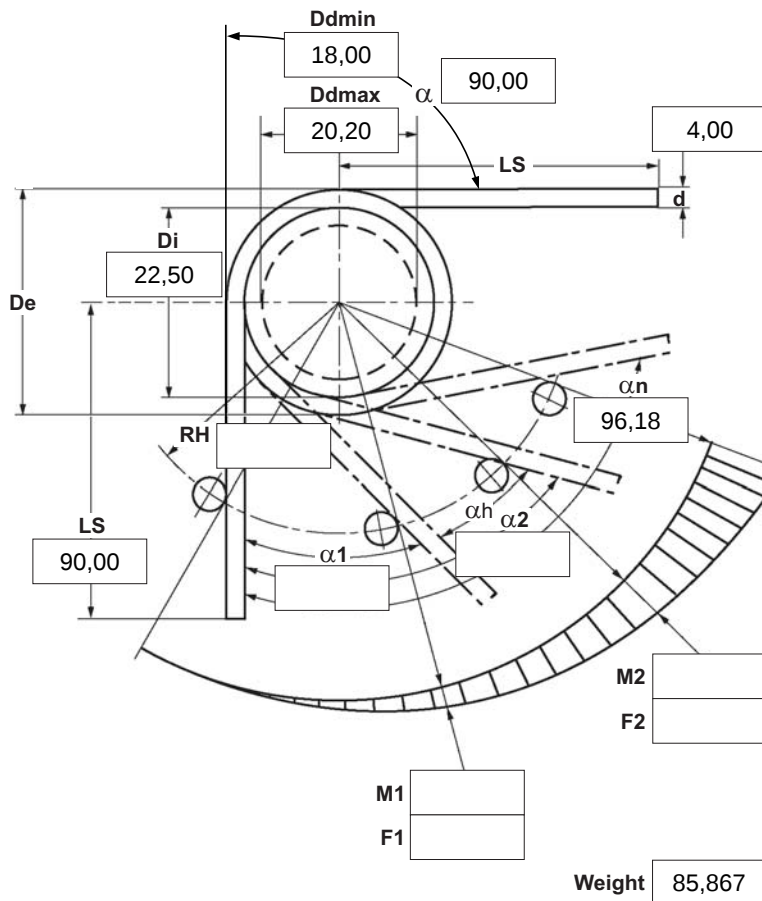
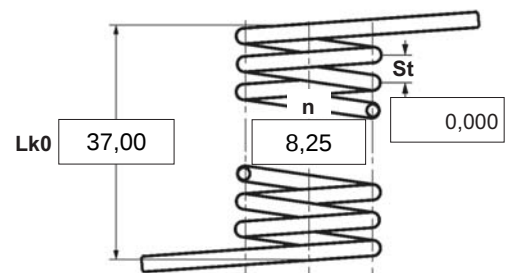


05.2025



|            |        |                                       |
|------------|--------|---------------------------------------|
| $\alpha$   | 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

**5 Excursion  $\alpha h$**  degr

6 Stress cyc. end. N

**7** Stress cycle frequ. n /

|                            |    |
|----------------------------|----|
| <b>8</b> Application temp. | °C |
|----------------------------|----|

|          |                 |
|----------|-----------------|
| <b>9</b> | <b>Material</b> |
|          | 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<br>d to<br>DIN 2076   |
| 1                         | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" 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"/>            |                                     |

| 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            |                  |
|-------------------|------------------|
| Stupnice množství | Jedn. cena [EUR] |
| 1                 | 6,3100 €         |
| 2                 | 4,4500 €         |
| 3                 | 4,2400 €         |
| 7                 | 3,4500 €         |
| 17                | 2,2200 €         |
| 37                | 1,7500 €         |
| 75                | 1.6000 €         |

### Remarks

Zem pvodu: DE | íslo celníhó sazebníku: 73202089

**Gutekunst + Co.KG Spring Factories · Carl-Zeiss-Straße 15 · D-72555 Metzingen**

Sales +49 7123 960-192 · Customize springs +49 7123 960-193 · Main +49 7123 960-0

Fax +49 7123 960-195 · E-mail: [order@gutekunst-co.com](mailto:order@gutekunst-co.com)