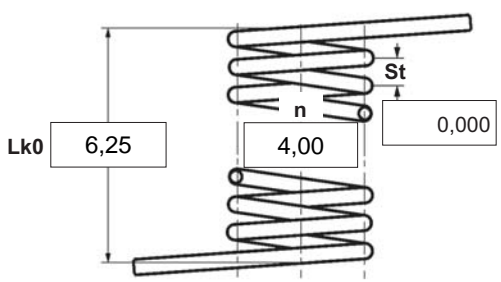


- α degree Unstressed leg position
- $\alpha 1$ degree Prestressed rotational angle
- $\alpha 2$ degree Loaded rotational angle
- αh degree Excursion
- αn degree Maximum rotational angle
- d mm Wire diameter
- $Ddmin$ mm Min. possible mandrel diameter
- $Ddmax$ mm Max. possible mandrel diameter
- De 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

5 Excursion αh degr.

6 Stress cyc. end. N

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"/>

2 Form of legs

tangential, straight, no bends *

*We can also supply torsion springs with any form of leg for an extra charge.

7 Stress cycle frequ. n /

8 Application temp. °C

9 Material
EN 10270-3-1.4310

13 Production compensation through

A spring torque and the associated swing angle α

A spring torque and the associated swing angle and $\alpha 0$ n, d

Two spring resistances and the associated swing angle n, Di

Two spring resistances and the associated swing angle α, n, d

Two spring resistances and the associated swing angle α, n, Di

3 Fixing

Recumbent leg Lever leg

10 Wire or rod surface

drawn rolled metal-cut

4 Load

in winding direction

against winding direction

11 Surface treatment

Prices

Quantity scale	Single price [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

Country of origin: DE | Customs tariff number: 73202089