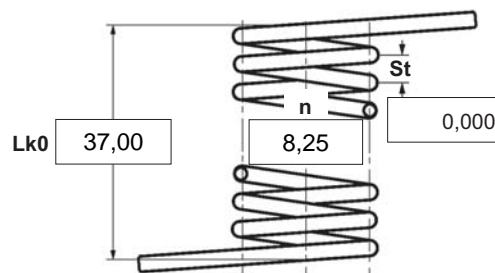


- α degree Unstressed leg position
- α_1 degree Prestressed rotational angle
- α_2 degree Loaded rotational angle
- α_h degree Excursion
- α_n degree Maximum rotational angle
- d mm Wire diameter
- D_{dmin} mm Min. possible mandrel diameter
- D_{dmax} mm Max. possible mandrel diameter
- D_e mm Outer coil diameter
- D_i mm Inner coil diameter
- F_1 N Prestressed spring force
- F_2 N Loaded spring force
- L_{k0} mm Length of spring body when relaxed
- L_s mm Length of leg
- M_1 Nmm Prestressed torque
- M_2 Nmm Loaded torque
- M_n 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 α_h degr.


6 Stress cyc. end. N

12 Tolerances to DIN 2194

Grade	D_i	L_{k0}	LSH,LSR	$\alpha, \alpha_1, \alpha_2$	M_1, M_2	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

13 Production compensation through

A spring torque and the associated swing angle	α	<input checked="" type="checkbox"/>
A spring torque and the associated swing angle and α_0	n, d	<input type="checkbox"/>
	n, D_i	<input type="checkbox"/>
Two spring resistances and the associated swing angle	α, n, d	<input type="checkbox"/>
	α, n, D_i	<input type="checkbox"/>

3 Fixing

Recumbent leg Lever leg

9 Material

EN 10270-3-1.4310

10 Wire or rod surface

drawn rolled metal-cut

Prices

Grupa ilociowa	Cena jednostkowa [EUR]
1	
2	6,3100 €
3	4,4500 €
7	4,2400 €
17	3,4500 €
37	2,2200 €
75	1,7500 €
	1,6000 €

4 Load

in winding direction

against winding direction

11 Surface treatment

Remarks

Kraj pochodzenia: DE | Numer taryfy celnej: 73202089