


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
 LS 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

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 α_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	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"/>

Prices

Stupnice množství	Jedn. cena [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

Zem pvodu: DE | íslo celního sazebníku: 73202089