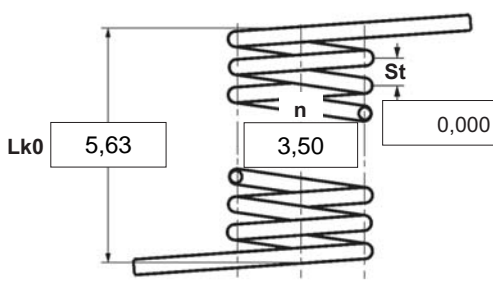


α	degree	Unstressed leg position
α_1	degree	Prestressed rotational angle
α_2	degree	Loaded rotational angle
α_h	degree	Excursion
α_n	degree	Maximum rotational angle
d	mm	Wire diameter
D_{dmin}	mm	Min. possible mandrel diameter
D_{dmax}	mm	Max. possible mandrel diameter
D_e	mm	Outer coil diameter
D_i	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

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