



- α degree Unstressed leg position
- α1 degree Prestressed rotational angle
- α2 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 α_h degr.

12 Tolerances to DIN 2194

Grade	Di	Lk0	LSH,LSR	$\alpha, \alpha1, \alpha2$	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="checked" type="checkbox"/>	<input checked="checked" type="checkbox"/>	<input checked="checked" type="checkbox"/>	<input checked="checked" type="checkbox"/>	<input checked="checked" type="checkbox"/>	
3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="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.

6 Stress cyc. end. N
7 Stress cycle frequ. n /

13 Production compensation through

A spring torque and the associated swing angle	α	<input checked="checked" type="checkbox"/>
A spring torque and the associated swing angle and $\alpha0$	n, d	<input type="checkbox"/>
	n, Di	<input type="checkbox"/>
Two spring resistances and the associated swing angle	α, n, d	<input type="checkbox"/>
	α, n, Di	<input type="checkbox"/>

3 Fixing
Recumbent leg Lever leg

8 Application temp. °C
9 Material
EN 10270-3-1.4310

4 Load
 in winding direction
 against winding direction

10 Wire or rod surface
 drawn rolled metal-cut

Prices

Cantidad progresiva	Precio unidad [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 €

11 Surface treatment

Remarks
País de origen: DE | Número de arancel aduanero: 73202089