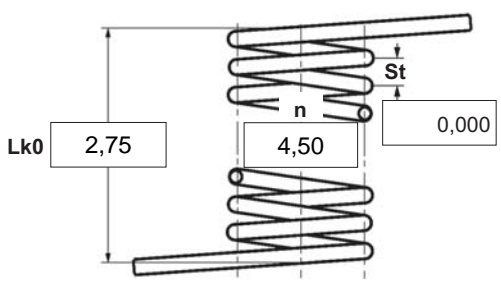


- $\alpha$  degree Unstressed leg position
- $\alpha 1$  degree Prestressed rotational angle
- $\alpha 2$  degree Loaded rotational angle
- $\alpha h$  degree Excursion
- $\alpha n$  degree Maximum rotational angle
- $d$  mm Wire diameter
- $Ddmin$  mm Min. possible mandrel diameter
- $Ddmax$  mm Max. possible mandrel diameter
- $De$  mm Outer coil diameter
- $Di$  mm Inner coil diameter
- $F 1$  N Prestressed spring force
- $F 2$  N Loaded spring force
- $Lk 0$  mm Length of spring body when relaxed
- $LS$  mm Length of leg
- $M 1$  Nmm Prestressed torque
- $M 2$  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

**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  $\alpha h$**

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	$\alpha$ <input checked="" type="checkbox"/>
A spring torque and the associated swing angle and $\alpha 0$	$n, d$ <input type="checkbox"/> $n, Di$ <input type="checkbox"/>
Two spring resistances and the associated swing angle	$\alpha, n, d$ <input type="checkbox"/> $\alpha, n, Di$ <input type="checkbox"/>

**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 €

**Remarks**

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