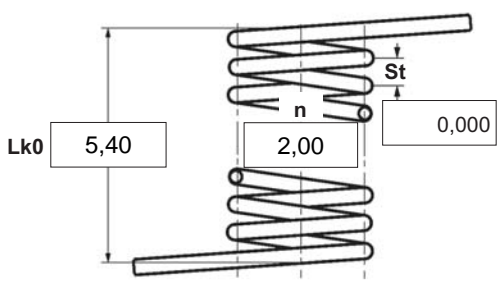




- $\alpha$  degree Unstressed leg position
- $\alpha 1$  degree Prestressed rotational angle
- $\alpha 2$  degree Loaded rotational angle
- $\alpha h$  degree Excursion
- $\alpha n$  degree Maximum rotational angle
- $d$  mm Wire diameter
- $Ddmin$  mm Min. possible mandrel diameter
- $Ddmax$  mm Max. possible mandrel diameter
- $De$  mm Outer coil diameter
- $Di$  mm Inner coil diameter
- $F1$  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

<b>1 Coiling direction</b> <input type="checkbox"/>  left <input checked="" type="checkbox"/>  right	<b>5 Excursion <math>\alpha h</math></b> <input type="text"/> degr.
<b>2 Form of legs</b> tangential, straight, no bends *  *We can also supply torsion springs with any form of leg for an extra charge.	<b>6 Stress cyc. end. N</b> <input type="text"/>
<b>3 Fixing</b> Recumbent leg <input type="checkbox"/> Lever leg <input type="checkbox"/>	<b>7 Stress cycle frequ. n</b> <input type="text"/> / <input type="text"/>
<b>4 Load</b> <input type="checkbox"/> in winding direction <input type="checkbox"/> against winding direction	<b>8 Application temp.</b> <input type="text"/> °C
<b>Remarks</b> Kraj pochodzenia: DE   Numer taryfy celnej: 73202089	<b>9 Material</b> EN 10270-3-1.4310
<b>10 Wire or rod surface</b> <input checked="" type="checkbox"/> drawn <input type="checkbox"/> rolled <input type="checkbox"/> metal-cut	<b>11 Surface treatment</b> <input type="text"/>

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	
Grupa ilociowa	Cena jednostkowa [EUR]
1	
2	5,2700 €
3	3,7200 €
7	3,5400 €
17	2,5100 €
37	1,2200 €
75	0,9000 €
125	0,7300 €
175	0,5070 €
250	0,4444 €
350	0,4132 €
450	0,3853 €
	0,3536 €