


$\alpha$	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 checked="" type="checkbox"/> left <input 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"/> /
<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>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"/>	

<b>12 Tolerances to DIN 2194</b>								
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"/>	<input type="checkbox"/>		
2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		

<b>13 Production compensation through</b>		
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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