



$\alpha$	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

<p><b>1 Coiling direction</b>  <input type="checkbox"/> left <input checked="" type="checkbox"/> right</p>	<p><b>5 Excursion <math>\alpha_h</math></b> <input type="text"/> degr.</p>	<p><b>12 Tolerances to DIN 2194</b></p> <table border="1" style="width:100%; border-collapse: collapse; font-size: small;"> <thead> <tr> <th>Grade</th> <th>Di</th> <th>Lk0</th> <th>LSH,LSR</th> <th><math>\alpha, \alpha 1, \alpha 2</math></th> <th>M1, M2</th> <th>Wire diameter d to DIN 2076</th> </tr> </thead> <tbody> <tr> <td>1</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>2</td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>3</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> </tbody> </table>	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"/>
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"/>																								
<p><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.</p>	<p><b>6 Stress cyc. end. N</b> <input type="text"/></p>	<p><b>13 Production compensation through</b></p> <table border="1" style="width:100%; border-collapse: collapse; font-size: small;"> <tr> <td>A spring torque and the associated swing angle</td> <td><math>\alpha</math></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>A spring torque and the associated swing angle and <math>\alpha 0</math></td> <td>n, d</td> <td><input type="checkbox"/></td> </tr> <tr> <td></td> <td>n, Di</td> <td><input type="checkbox"/></td> </tr> <tr> <td>Two spring resistances and the associated swing angle</td> <td><math>\alpha</math>, n, d</td> <td><input type="checkbox"/></td> </tr> <tr> <td></td> <td><math>\alpha</math>, n, Di</td> <td><input type="checkbox"/></td> </tr> </table>	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"/>													
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"/>																												
<p><b>3 Fixing</b>                  Recumbent leg <input type="checkbox"/> Lever leg <input type="checkbox"/></p>	<p><b>7 Stress cycle frequ. n</b> <input type="text"/> /</p>	<p><b>Prices</b></p> <table border="1" style="width:100%; border-collapse: collapse; font-size: small;"> <thead> <tr> <th>Stupnice množství</th> <th>Jedn. cena [EUR]</th> </tr> </thead> <tbody> <tr><td>1</td><td>5,4200 €</td></tr> <tr><td>2</td><td>3,8200 €</td></tr> <tr><td>3</td><td>3,6400 €</td></tr> <tr><td>7</td><td>2,6600 €</td></tr> <tr><td>17</td><td>1,3800 €</td></tr> <tr><td>37</td><td>1,0200 €</td></tr> <tr><td>75</td><td>0,8900 €</td></tr> <tr><td>125</td><td>0,5823 €</td></tr> <tr><td>175</td><td>0,5445 €</td></tr> <tr><td>250</td><td>0,4945 €</td></tr> <tr><td>350</td><td>0,4610 €</td></tr> <tr><td>450</td><td>0,4169 €</td></tr> </tbody> </table>	Stupnice množství	Jedn. cena [EUR]	1	5,4200 €	2	3,8200 €	3	3,6400 €	7	2,6600 €	17	1,3800 €	37	1,0200 €	75	0,8900 €	125	0,5823 €	175	0,5445 €	250	0,4945 €	350	0,4610 €	450	0,4169 €		
Stupnice množství	Jedn. cena [EUR]																													
1	5,4200 €																													
2	3,8200 €																													
3	3,6400 €																													
7	2,6600 €																													
17	1,3800 €																													
37	1,0200 €																													
75	0,8900 €																													
125	0,5823 €																													
175	0,5445 €																													
250	0,4945 €																													
350	0,4610 €																													
450	0,4169 €																													
<p><b>4 Load</b>  <input type="checkbox"/> in winding direction  <input type="checkbox"/> against winding direction</p>	<p><b>8 Application temp.</b> <input type="text"/> °C</p>	<p><b>11 Surface treatment</b>  <input type="text"/></p>																												
<p><b>Remarks</b>                  Zem pvodu: DE   íslo celného sazebníku: 73202089</p>	<p><b>9 Material</b>                  EN 10270-3-1.4310</p>																													
<p><b>10 Wire or rod surface</b>  <input checked="" type="checkbox"/> drawn <input type="checkbox"/> rolled <input type="checkbox"/> metal-cut</p>																														