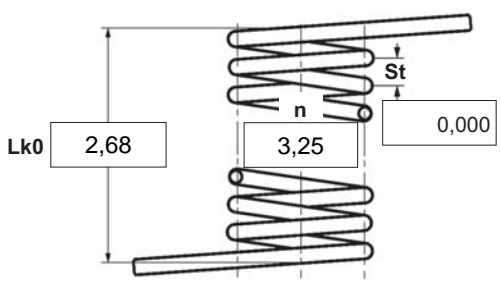


$\alpha$	degree	Unstressed leg position
$\alpha 1$	degree	Prestressed rotational angle
$\alpha 2$	degree	Loaded rotational angle
$\alpha h$	degree	Excursion
$\alpha n$	degree	Maximum rotational angle
d	mm	Wire diameter
Ddmin	mm	Min. possible mandrel diameter
Ddmax	mm	Max. possible mandrel diameter
De	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></p> <p><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;"> <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></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></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"/>		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"/>
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<p><b>2 Form of legs</b></p> <p>tangential, straight, no bends *</p> <p><input checked="" type="checkbox"/> tangential, straight, no bends *</p> <p>*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> <p>A spring torque and the associated swing angle <math>\alpha</math> <input checked="" type="checkbox"/></p> <p>A spring torque and the associated swing angle and <math>\alpha 0</math> <input type="checkbox"/></p> <p>Two spring resistances and the associated swing angle <input type="checkbox"/></p>																												
<p><b>3 Fixing</b></p> <p>Recumbent leg <input type="checkbox"/> Lever leg <input type="checkbox"/></p>	<p><b>7 Stress cycle frequ. n</b> <input type="text"/> / <input type="text"/></p>	<p><b>Prices</b></p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Grupa ilociowa</th> <th>Cena jednostkowa [EUR]</th> </tr> </thead> <tbody> <tr><td>1</td><td></td></tr> <tr><td>2</td><td>5,1100 €</td></tr> <tr><td>3</td><td>3,6000 €</td></tr> <tr><td>7</td><td>3,4300 €</td></tr> <tr><td>17</td><td>2,2200 €</td></tr> <tr><td>37</td><td>1,1200 €</td></tr> <tr><td>75</td><td>0,7400 €</td></tr> <tr><td>125</td><td>0,5500 €</td></tr> <tr><td>175</td><td>0,4570 €</td></tr> <tr><td>250</td><td>0,4069 €</td></tr> <tr><td>350</td><td>0,3567 €</td></tr> <tr><td>450</td><td>0,3095 €</td></tr> <tr><td></td><td>0,2652 €</td></tr> </tbody> </table>	Grupa ilociowa	Cena jednostkowa [EUR]	1		2	5,1100 €	3	3,6000 €	7	3,4300 €	17	2,2200 €	37	1,1200 €	75	0,7400 €	125	0,5500 €	175	0,4570 €	250	0,4069 €	350	0,3567 €	450	0,3095 €		0,2652 €
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<p><b>Remarks</b></p> <p>Kraj pochodzenia: DE   Numer taryfy celnej: 73202089</p>	<p><b>9 Material</b></p> <p>EN 10270-3-1.4310</p>																													
	<p><b>10 Wire or rod surface</b></p> <p><input checked="" type="checkbox"/> drawn <input type="checkbox"/> rolled <input type="checkbox"/> metal-cut</p>																													
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