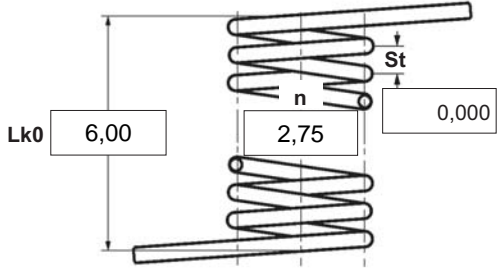


α	degree	Unstressed leg position
$\alpha 1$	degree	Prestressed rotational angle
$\alpha 2$	degree	Loaded rotational angle
αh	degree	Excursion
αn	degree	Maximum rotational angle
d	mm	Wire diameter
Ddmin	mm	Min. possible mandrel diameter
Ddmax	mm	Max. possible mandrel diameter
De	mm	Outer coil diameter
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>1 Coiling direction</p> <p><input checked="" type="checkbox"/>  left <input type="checkbox"/>  right</p>	<p>5 Excursion αh <input type="text"/> degr.</p> <p>6 Stress cyc. end. N <input type="text"/></p> <p>7 Stress cycle frequ. n <input type="text"/> /</p> <p>8 Application temp. <input type="text"/> °C</p> <p>9 Material EN 10270-3-1.4310</p> <p>10 Wire or rod surface <input checked="" type="checkbox"/> drawn <input type="checkbox"/> rolled <input type="checkbox"/> metal-cut</p> <p>11 Surface treatment <input type="text"/></p>	<p>12 Tolerances to DIN 2194</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>$\alpha, \alpha 1, \alpha 2$</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> <p>13 Production compensation through</p> <p>A spring torque and the associated swing angle α <input checked="" type="checkbox"/></p> <p>A spring torque and the associated swing angle and $\alpha 0$ n, d <input type="checkbox"/></p> <p>Two spring resistances and the associated swing angle α, n, d <input type="checkbox"/></p> <p> α, n, Di <input type="checkbox"/></p> <p>Prices</p> <table border="0" style="width:100%;"> <tr> <td style="text-align: right;">Grupa ilociowa</td> <td style="text-align: right;">Cena jednostkowa</td> </tr> <tr> <td style="text-align: right;">1</td> <td style="text-align: right;">[EUR]</td> </tr> <tr> <td style="text-align: right;">2</td> <td style="text-align: right;">5,2700 €</td> </tr> <tr> <td style="text-align: right;">3</td> <td style="text-align: right;">3,7200 €</td> </tr> <tr> <td style="text-align: right;">7</td> <td style="text-align: right;">3,5400 €</td> </tr> <tr> <td style="text-align: right;">17</td> <td style="text-align: right;">2,5100 €</td> </tr> <tr> <td style="text-align: right;">37</td> <td style="text-align: right;">1,2200 €</td> </tr> <tr> <td style="text-align: right;">75</td> <td style="text-align: right;">0,9000 €</td> </tr> <tr> <td style="text-align: right;">125</td> <td style="text-align: right;">0,7300 €</td> </tr> <tr> <td style="text-align: right;">175</td> <td style="text-align: right;">0,5070 €</td> </tr> <tr> <td style="text-align: right;">250</td> <td style="text-align: right;">0,4444 €</td> </tr> <tr> <td style="text-align: right;">350</td> <td style="text-align: right;">0,4132 €</td> </tr> <tr> <td style="text-align: right;">450</td> <td style="text-align: right;">0,3853 €</td> </tr> <tr> <td></td> <td style="text-align: right;">0,3536 €</td> </tr> </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"/>	Grupa ilociowa	Cena jednostkowa	1	[EUR]	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 €
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<p>2 Form of legs</p> <p>tangential, straight, no bends *</p> <p></p> <p>*We can also supply torsion springs with any form of leg for an extra charge.</p> <p>3 Fixing</p> <p>Recumbent leg Lever leg</p> <p><input type="text"/> <input type="text"/></p> <p>4 Load</p> <p><input type="checkbox"/> in winding direction</p> <p><input type="checkbox"/> against winding direction</p> <p>Remarks</p> <p>Kraj pochodzenia: DE Numer taryfy celnej: 73202089</p>																																																										