



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

1 Coiling direction <input checked="" type="checkbox"/> left <input type="checkbox"/> right	5 Excursion αh <input type="text"/> degr.	12 Tolerances to DIN 2194 <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>	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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2 Form of legs tangential, straight, no bends * <small>*We can also supply torsion springs with any form of leg for an extra charge.</small>	6 Stress cyc. end. N <input type="text"/>	13 Production compensation through A spring torque and the associated swing angle α <input checked="" type="checkbox"/> A spring torque and the associated swing angle and $\alpha 0$ <input type="checkbox"/> Two spring resistances and the associated swing angle α, n, d <input type="checkbox"/> α, n, Di <input type="checkbox"/>																												
3 Fixing Recumbent leg <input type="checkbox"/> Lever leg <input type="checkbox"/>	7 Stress cycle frequ. n <input type="text"/> /																													
4 Load <input type="checkbox"/> in winding direction <input type="checkbox"/> against winding direction	8 Application temp. <input type="text"/> °C	Prices <table style="width:100%;"> <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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9 Material EN 10270-3-1.4310	10 Wire or rod surface <input checked="" type="checkbox"/> drawn <input type="checkbox"/> rolled <input type="checkbox"/> metal-cut																													
Remarks Kraj pochodzenia: DE Numer taryfy celnej: 73202089		11 Surface treatment <input type="text"/>																												