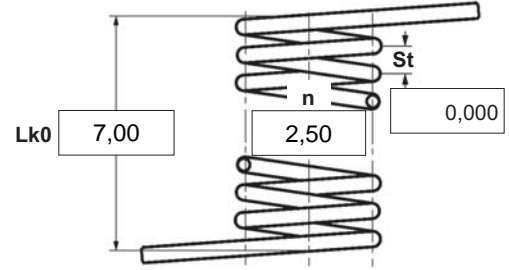





$\alpha$	degree	Unstressed leg position
$\alpha_1$	degree	Prestressed rotational angle
$\alpha_2$	degree	Loaded rotational angle
$\alpha_h$	degree	Excursion
$\alpha_n$	degree	Maximum rotational angle
d	mm	Wire diameter
Ddmin	mm	Min. possible mandrel diameter
Ddmax	mm	Max. possible mandrel diameter
De	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></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>7 Stress cycle frequ. n</b> <input type="text"/> / <input type="text"/></p> <p><b>8 Application temp.</b> <input type="text"/> °C</p> <p><b>9 Material</b></p> <p>EN 10270-3-1.4310</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>    n, d    <input type="checkbox"/></p> <p>Two spring resistances and the associated swing angle    n, Di    <input type="checkbox"/></p> <p>Two spring resistances and the associated swing angle    <math>\alpha, n, d</math>    <input type="checkbox"/></p> <p>Two spring resistances and the associated swing angle    <math>\alpha, n, Di</math>    <input type="checkbox"/></p>																												
<p><b>3 Fixing</b></p> <p>Recumbent leg    Lever leg</p> <p><input type="text"/>    <input type="text"/></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>	<p><b>Prices</b></p> <table border="0" style="width:100%;"> <tr> <td style="width:60%;">Desconto por quantidade</td> <td style="width:40%;">Preço individual [EUR]</td> </tr> <tr> <td>1</td> <td>5,2700 €</td> </tr> <tr> <td>2</td> <td>3,7200 €</td> </tr> <tr> <td>3</td> <td>3,5400 €</td> </tr> <tr> <td>7</td> <td>2,5100 €</td> </tr> <tr> <td>17</td> <td>1,2200 €</td> </tr> <tr> <td>37</td> <td>0,9000 €</td> </tr> <tr> <td>75</td> <td>0,7300 €</td> </tr> <tr> <td>125</td> <td>0,5070 €</td> </tr> <tr> <td>175</td> <td>0,4444 €</td> </tr> <tr> <td>250</td> <td>0,4132 €</td> </tr> <tr> <td>350</td> <td>0,3853 €</td> </tr> <tr> <td>450</td> <td>0,3536 €</td> </tr> </table>	Desconto por quantidade	Preço individual [EUR]	1	5,2700 €	2	3,7200 €	3	3,5400 €	7	2,5100 €	17	1,2200 €	37	0,9000 €	75	0,7300 €	125	0,5070 €	175	0,4444 €	250	0,4132 €	350	0,3853 €	450	0,3536 €		
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