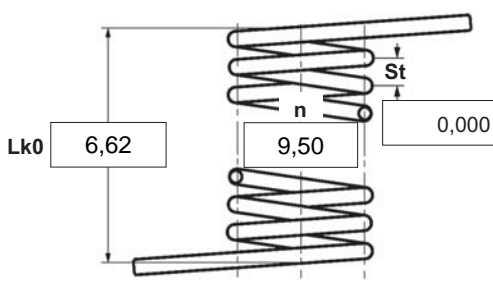



$\alpha$	degree	Unstressed leg position
$\alpha 1$	degree	Prestressed rotational angle
$\alpha 2$	degree	Loaded rotational angle
$\alpha h$	degree	Excursion
$\alpha n$	degree	Maximum rotational angle
$d$	mm	Wire diameter
$Ddmin$	mm	Min. possible mandrel diameter
$Ddmax$	mm	Max. possible mandrel diameter
$De$	mm	Outer coil diameter
$Di$	mm	Inner coil diameter
$F 1$	N	Prestressed spring force
$F 2$	N	Loaded spring force
$Lk 0$	mm	Length of spring body when relaxed
$LS$	mm	Length of leg
$M 1$	Nmm	Prestressed torque
$M 2$	Nmm	Loaded torque
$M n$	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

<b>1 Coiling direction</b> <input type="checkbox"/> left <input checked="" type="checkbox"/> right		<b>5 Excursion <math>\alpha h</math></b> <input type="text"/> degr.		<b>12 Tolerances to DIN 2194</b> <table border="1"> <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"/>
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<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.		<b>6 Stress cyc. end. N</b> <input type="text"/>		<b>13 Production compensation through</b> 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"/> Two spring resistances and the associated swing angle $\alpha, n, d$ <input type="checkbox"/> $\alpha, n, Di$ <input type="checkbox"/>																													
<b>3 Fixing</b> Recumbent leg <input type="checkbox"/> Lever leg <input type="checkbox"/>		<b>7 Stress cycle frequ. n</b> <input type="text"/> /		<b>8 Application temp.</b> <input type="text"/> °C																													
<b>4 Load</b> <input type="checkbox"/> in winding direction <input type="checkbox"/> against winding direction		<b>9 Material</b> EN 10270-3-1.4310		<b>10 Wire or rod surface</b> <input checked="" type="checkbox"/> drawn <input type="checkbox"/> rolled <input type="checkbox"/> metal-cut																													
<b>Remarks</b> Country of origin: DE   Customs tariff number: 73202089		<b>11 Surface treatment</b> <input type="text"/>		<b>Prices</b> <table border="1"> <thead> <tr> <th>Quantity scale</th> <th>Single price [EUR]</th> </tr> </thead> <tbody> <tr><td>1</td><td>5,1100 €</td></tr> <tr><td>2</td><td>3,6000 €</td></tr> <tr><td>3</td><td>3,4300 €</td></tr> <tr><td>7</td><td>2,2200 €</td></tr> <tr><td>17</td><td>1,1200 €</td></tr> <tr><td>37</td><td>0,7400 €</td></tr> <tr><td>75</td><td>0,5500 €</td></tr> <tr><td>125</td><td>0,4570 €</td></tr> <tr><td>175</td><td>0,4069 €</td></tr> <tr><td>250</td><td>0,3567 €</td></tr> <tr><td>350</td><td>0,3095 €</td></tr> <tr><td>450</td><td>0,2652 €</td></tr> </tbody> </table>		Quantity scale	Single price [EUR]	1	5,1100 €	2	3,6000 €	3	3,4300 €	7	2,2200 €	17	1,1200 €	37	0,7400 €	75	0,5500 €	125	0,4570 €	175	0,4069 €	250	0,3567 €	350	0,3095 €	450	0,2652 €		
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