



$\alpha$  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

Weight 0,116

Spring test acc. to DIN ISO 2859/1 test level II

<b>1 Coiling direction</b> <input checked="" type="checkbox"/> left <input 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> <table border="1"> <tr> <td>A spring torque and the associated swing angle</td> <td><math>\alpha</math></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>A spring torque and the associated swing angle and <math>\alpha 0</math></td> <td>n, d</td> <td><input type="checkbox"/></td> </tr> <tr> <td></td> <td>n, Di</td> <td><input type="checkbox"/></td> </tr> <tr> <td>Two spring resistances and the associated swing angle</td> <td><math>\alpha</math>, n, d</td> <td><input type="checkbox"/></td> </tr> <tr> <td></td> <td><math>\alpha</math>, n, Di</td> <td><input type="checkbox"/></td> </tr> </table>	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"/>		n, Di	<input type="checkbox"/>	Two spring resistances and the associated swing angle	$\alpha$ , n, d	<input type="checkbox"/>		$\alpha$ , n, Di	<input type="checkbox"/>													
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<b>3 Fixing</b> Recumbent leg <input type="checkbox"/> Lever leg <input type="checkbox"/>		<b>7 Stress cycle frequ. n</b> <input type="text"/> / <input type="text"/>																													
<b>4 Load</b> <input type="checkbox"/> in winding direction <input type="checkbox"/> against winding direction		<b>8 Application temp.</b> <input type="text"/> °C																													
<b>Remarks</b> Paese d'origine: DE   Numero della tariffa doganale: 73202089		<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>11 Surface treatment</b> <input type="text"/>																													
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