



- $\alpha$  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

<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" 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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<b>2 Form of legs</b> tangential, straight, no bends * <input checked="" type="checkbox"/> 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>Prices</b> <table style="width: 100%;"> <thead> <tr> <th>Quantità progressive</th> <th>Prezzo singolo [EUR]</th> </tr> </thead> <tbody> <tr><td>1</td><td>6,4400 €</td></tr> <tr><td>2</td><td>4,5400 €</td></tr> <tr><td>3</td><td>4,3300 €</td></tr> <tr><td>7</td><td>3,5700 €</td></tr> <tr><td>17</td><td>2,3000 €</td></tr> <tr><td>37</td><td>1,8300 €</td></tr> <tr><td>75</td><td>1,7400 €</td></tr> </tbody> </table>	Quantità progressive	Prezzo singolo [EUR]	1	6,4400 €	2	4,5400 €	3	4,3300 €	7	3,5700 €	17	2,3000 €	37	1,8300 €	75	1,7400 €												
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<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"/>																													