



- α degree Unstressed leg position
- α_1 degree Prestressed rotational angle
- α_2 degree Loaded rotational angle
- α_h degree Excursion
- α_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

1 Coiling direction <input type="checkbox"/> left <input checked="" type="checkbox"/> right	5 Excursion α_h <input style="width: 80px;" type="text"/> degr.	12 Tolerances to DIN 2194 <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <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><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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2 Form of legs tangential, straight, no bends * *We can also supply torsion springs with any form of leg for an extra charge.	6 Stress cyc. end. N <input style="width: 120px;" type="text"/>	13 Production compensation through <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <tr> <td>A spring torque and the associated swing angle</td> <td>α</td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>A spring torque and the associated swing angle and α_0</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>α, n, d</td> <td><input type="checkbox"/></td> </tr> <tr> <td></td> <td>α, n, Di</td> <td><input type="checkbox"/></td> </tr> </table>	A spring torque and the associated swing angle	α	<input checked="" type="checkbox"/>	A spring torque and the associated swing angle and α_0	n, d	<input type="checkbox"/>		n, Di	<input type="checkbox"/>	Two spring resistances and the associated swing angle	α, n, d	<input type="checkbox"/>		α, n, Di	<input type="checkbox"/>													
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3 Fixing Recumbent leg Lever leg <input style="width: 100px;" type="text"/> <input style="width: 100px;" type="text"/>	7 Stress cycle frequ. n <input style="width: 80px;" type="text"/> / <input style="width: 40px;" type="text"/>	Prices <table style="width: 100%; font-size: 8px;"> <thead> <tr> <th>Cantidad progresiva</th> <th>Precio unidad [EUR]</th> </tr> </thead> <tbody> <tr><td>1</td><td>6,3100 €</td></tr> <tr><td>2</td><td>4,4500 €</td></tr> <tr><td>3</td><td>4,2400 €</td></tr> <tr><td>7</td><td>3,4500 €</td></tr> <tr><td>17</td><td>2,2200 €</td></tr> <tr><td>37</td><td>1,7500 €</td></tr> <tr><td>75</td><td>1,6000 €</td></tr> </tbody> </table>	Cantidad progresiva	Precio unidad [EUR]	1	6,3100 €	2	4,4500 €	3	4,2400 €	7	3,4500 €	17	2,2200 €	37	1,7500 €	75	1,6000 €												
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4 Load <input type="checkbox"/> in winding direction <input type="checkbox"/> against winding direction	8 Application temp. <input style="width: 80px;" type="text"/> °C																													
Remarks País de origen: DE Número de arancel aduanero: 73202089	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	11 Surface treatment <input style="width: 180px;" type="text"/>																													