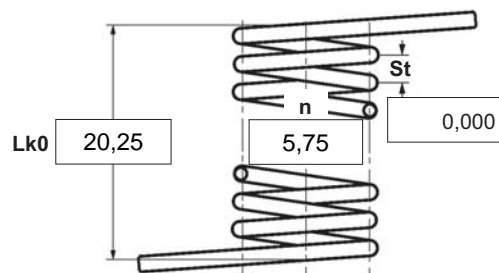


- α degree Unstressed leg position
- α_1 degree Prestressed rotational angle
- α_2 degree Loaded rotational angle
- α_h degree Excursion
- α_n degree Maximum rotational angle
- d mm Wire diameter
- Ddmin mm Min. possible mandrel diameter
- Ddmax mm Max. possible mandrel diameter
- De mm Outer coil diameter
- 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

<p>1 Coiling direction</p> <input checked="" type="checkbox"/> left <input type="checkbox"/> right	<p>5 Excursion α_h degr.</p> <p>6 Stress cyc. end. N _____</p> <p>7 Stress cycle frequ. n _____/____</p> <p>8 Application temp. _____ °C</p> <p>9 Material EN 10270-3-1.4310</p> <p>10 Wire or rod surface <input checked="" type="checkbox"/> drawn <input type="checkbox"/> rolled <input type="checkbox"/> metal-cut</p> <p>11 Surface treatment _____</p>	<p>12 Tolerances to DIN 2194</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <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> <p>13 Production compensation through</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td>A spring torque and the associated swing angle</td> <td style="text-align: right;">α</td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> <tr> <td>A spring torque and the associated swing angle and α_0</td> <td style="text-align: right;">n, d</td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td></td> <td style="text-align: right;">n, Di</td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>Two spring resistances and the associated swing angle</td> <td style="text-align: right;">α, n, d</td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td></td> <td style="text-align: right;">α, n, Di</td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </table> <p>Prices</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Cantidad progresiva</th> <th style="text-align: left;">Precio unidad [EUR]</th> </tr> </thead> <tbody> <tr><td style="text-align: right;">1</td><td>5,5300 €</td></tr> <tr><td style="text-align: right;">2</td><td>3,9000 €</td></tr> <tr><td style="text-align: right;">3</td><td>3,7100 €</td></tr> <tr><td style="text-align: right;">7</td><td>2,9000 €</td></tr> <tr><td style="text-align: right;">17</td><td>1,4300 €</td></tr> <tr><td style="text-align: right;">37</td><td>1,1000 €</td></tr> <tr><td style="text-align: right;">75</td><td>0,9400 €</td></tr> <tr><td style="text-align: right;">125</td><td>0,6511 €</td></tr> <tr><td style="text-align: right;">175</td><td>0,6135 €</td></tr> <tr><td style="text-align: right;">250</td><td>0,5760 €</td></tr> <tr><td style="text-align: right;">350</td><td>0,5306 €</td></tr> <tr><td style="text-align: right;">450</td><td>0,4927 €</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"/>	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"/>	Cantidad progresiva	Precio unidad [EUR]	1	5,5300 €	2	3,9000 €	3	3,7100 €	7	2,9000 €	17	1,4300 €	37	1,1000 €	75	0,9400 €	125	0,6511 €	175	0,6135 €	250	0,5760 €	350	0,5306 €	450	0,4927 €
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Remarks

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