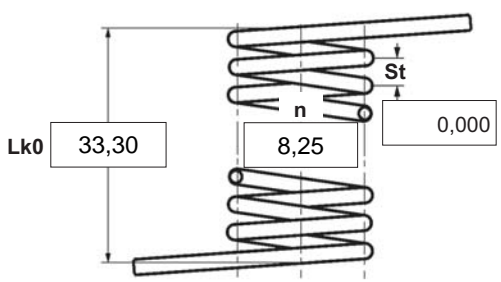



α	degree	Unstressed leg position
$\alpha 1$	degree	Prestressed rotational angle
$\alpha 2$	degree	Loaded rotational angle
αh	degree	Excursion
αn	degree	Maximum rotational angle
d	mm	Wire diameter
Ddmin	mm	Min. possible mandrel diameter
Ddmax	mm	Max. possible mandrel diameter
De	mm	Outer coil diameter
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 αh <input type="text"/> degr.	12 Tolerances to DIN 2194 <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>$\alpha, \alpha 1, \alpha 2$</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 type="text"/>	7 Stress cycle frequ. n <input type="text"/> / <input type="text"/>																												
3 Fixing Recumbent leg <input type="checkbox"/> Lever leg <input type="checkbox"/>	8 Application temp. <input type="text"/> °C	9 Material EN 10270-3-1.4310																												
4 Load <input type="checkbox"/> in winding direction <input type="checkbox"/> against winding direction	10 Wire or rod surface <input checked="" type="checkbox"/> drawn <input type="checkbox"/> rolled <input type="checkbox"/> metal-cut	13 Production compensation through A spring torque and the associated swing angle α <input checked="" type="checkbox"/> A spring torque and the associated swing angle and $\alpha 0$ <input type="checkbox"/> Two spring resistances and the associated swing angle α, n, d <input type="checkbox"/> α, n, Di <input type="checkbox"/>																												
11 Surface treatment <input type="text"/>		Prices <table border="0" style="width:100%;"> <tr> <td style="text-align: right;">Grupa ilociowa</td> <td style="text-align: right;">Cena jednostkowa [EUR]</td> </tr> <tr> <td style="text-align: right;">1</td> <td></td> </tr> <tr> <td style="text-align: right;">2</td> <td style="text-align: right;">5,5300 €</td> </tr> <tr> <td style="text-align: right;">3</td> <td style="text-align: right;">3,9000 €</td> </tr> <tr> <td style="text-align: right;">7</td> <td style="text-align: right;">3,7100 €</td> </tr> <tr> <td style="text-align: right;">17</td> <td style="text-align: right;">2,9000 €</td> </tr> <tr> <td style="text-align: right;">37</td> <td style="text-align: right;">1,4300 €</td> </tr> <tr> <td style="text-align: right;">75</td> <td style="text-align: right;">1,1000 €</td> </tr> <tr> <td style="text-align: right;">125</td> <td style="text-align: right;">0,9400 €</td> </tr> <tr> <td style="text-align: right;">175</td> <td style="text-align: right;">0,6511 €</td> </tr> <tr> <td style="text-align: right;">250</td> <td style="text-align: right;">0,6135 €</td> </tr> <tr> <td style="text-align: right;">350</td> <td style="text-align: right;">0,5760 €</td> </tr> <tr> <td style="text-align: right;">450</td> <td style="text-align: right;">0,5306 €</td> </tr> <tr> <td></td> <td style="text-align: right;">0,4927 €</td> </tr> </table>	Grupa ilociowa	Cena jednostkowa [EUR]	1		2	5,5300 €	3	3,9000 €	7	3,7100 €	17	2,9000 €	37	1,4300 €	75	1,1000 €	125	0,9400 €	175	0,6511 €	250	0,6135 €	350	0,5760 €	450	0,5306 €		0,4927 €
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Remarks
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