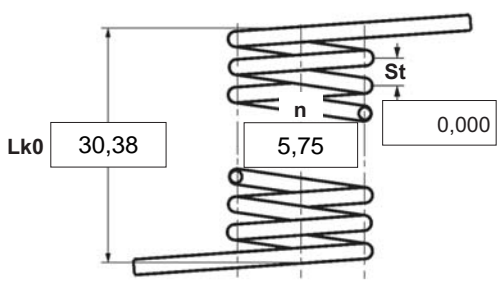





α	degree	Unstressed leg position
α1	degree	Prestressed rotational angle
α2	degree	Loaded rotational angle
αh	degree	Excursion
αn	degree	Maximum rotational angle
d	mm	Wire diameter
Ddmin	mm	Min. possible mandrel diameter
Ddmax	mm	Max. possible mandrel diameter
De	mm	Outer coil diameter
Di	mm	Inner coil 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"> <thead> <tr> <th>Grade</th> <th>Di</th> <th>Lk0</th> <th>LSH,LSR</th> <th>α, α1, α2</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	α, α1, α2	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"/>
Grade	Di	Lk0	LSH,LSR	α, α1, α2	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"/>																											
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"/>		13 Production compensation through <table border="1"> <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 α0</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 α0	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"/>													
A spring torque and the associated swing angle	α	<input checked="" type="checkbox"/>																															
A spring torque and the associated swing angle and α0	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"/>																															
3 Fixing Recumbent leg <input type="checkbox"/> Lever leg <input type="checkbox"/>		7 Stress cycle frequ. n <input type="text"/> /		10 Wire or rod surface <input checked="" type="checkbox"/> drawn <input type="checkbox"/> rolled <input type="checkbox"/> metal-cut																													
4 Load <input type="checkbox"/> in winding direction <input type="checkbox"/> against winding direction		8 Application temp. <input type="text"/> °C		11 Surface treatment <input type="text"/>																													
9 Material EN 10270-3-1.4310		Prices <table border="1"> <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 €												
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 €																																

Remarks
 País de origen: DE | Número de arancel aduanero: 73202089