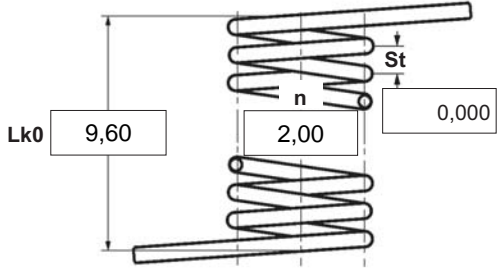


- $\alpha$  degree Unstressed leg position
- $\alpha 1$  degree Prestressed rotational angle
- $\alpha 2$  degree Loaded rotational angle
- $\alpha h$  degree Excursion
- $\alpha n$  degree Maximum rotational angle
- d mm Wire diameter
- Ddmin mm Min. possible mandrel diameter
- Ddmax mm Max. possible 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

<p><b>1 Coiling direction</b></p> <p><input checked="" type="checkbox"/>  left    <input type="checkbox"/>  right</p>	<p><b>5 Excursion <math>\alpha h</math></b> <input type="text"/> degr.</p>
<p><b>2 Form of legs</b></p> <p>tangential, straight, no bends *</p> <p></p> <p><small>*We can also supply torsion springs with any form of leg for an extra charge.</small></p>	<p><b>6 Stress cyc. end. N</b> <input type="text"/></p> <p><b>7 Stress cycle frequ. n</b> <input type="text"/> / <input type="text"/></p> <p><b>8 Application temp.</b> <input type="text"/> °C</p> <p><b>9 Material</b> EN 10270-3-1.4310</p>
<p><b>3 Fixing</b></p> <p>Recumbent leg <input type="checkbox"/>    Lever leg <input type="checkbox"/></p>	<p><b>10 Wire or rod surface</b></p> <p><input checked="" type="checkbox"/> drawn    <input type="checkbox"/> rolled    <input type="checkbox"/> metal-cut</p>
<p><b>4 Load</b></p> <p><input type="checkbox"/> in winding direction <input type="checkbox"/> against winding direction</p>	<p><b>11 Surface treatment</b></p> <p><input type="text"/></p>

**12 Tolerances to DIN 2194**

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"/>

**13 Production compensation through**

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"/>
	n, Di	<input type="checkbox"/>
Two spring resistances and the associated swing angle	$\alpha, n, d$	<input type="checkbox"/>
	$\alpha, n, Di$	<input type="checkbox"/>

**Prices**

Quantity scale	Single price [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 €

**Remarks**

Country of origin: DE | Customs tariff number: 73202089