



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																													
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"/>		<table border="1"> <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></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></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"/>		2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" 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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3 Fixing Recumbent leg <input type="checkbox"/> Lever leg <input type="checkbox"/>		7 Stress cycle frequ. n <input type="text"/> / <input type="text"/>		13 Production compensation through																													
4 Load <input type="checkbox"/> in winding direction <input type="checkbox"/> against winding direction		8 Application temp. <input type="text"/> °C		A spring torque and the associated swing angle α <input checked="" type="checkbox"/> A spring torque and the associated swing angle and $\alpha 0$ n, d <input type="checkbox"/> Two spring resistances and the associated swing angle α, n, d <input type="checkbox"/> α, n, Di <input type="checkbox"/>																													
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		Prices																													
11 Surface treatment <input type="text"/>		Desconto por quantidade		Preço individual [EUR]																													
Remarks País de origem: DE Número de tarifa alfandegária: 73202089		1 2 3 7 17 37 75		6,3100 € 4,4500 € 4,2400 € 3,4500 € 2,2200 € 1,7500 € 1,6000 €																													