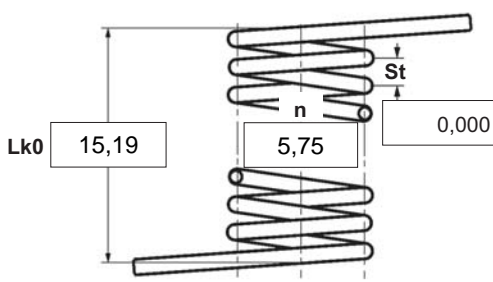


$\alpha$	degree	Unstressed leg position
$\alpha 1$	degree	Prestressed rotational angle
$\alpha 2$	degree	Loaded rotational angle
$\alpha h$	degree	Excursion
$\alpha n$	degree	Maximum rotational angle
$d$	mm	Wire diameter
$Ddmin$	mm	Min. possible mandrel diameter
$Ddmax$	mm	Max. possible mandrel diameter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

**1 Coiling direction**

left  right

**5 Excursion  $\alpha h$**   degr.

**6 Stress cyc. end. N**

**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"/>	
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"/>

**2 Form of legs**

tangential, straight, no bends \*

\*We can also supply torsion springs with any form of leg for an extra charge.

**7 Stress cycle frequ. n**  /

**8 Application temp.**  °C

**9 Material** EN 10270-3-1.4310

**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"/>

**3 Fixing**

Recumbent leg  Lever leg

**10 Wire or rod surface**

drawn  rolled  metal-cut

**4 Load**

in winding direction  against winding direction

**11 Surface treatment**

**Prices**

Grupa ilociowa	Cena jednostkowa [EUR]
1	
2	5,4200 €
3	3,8200 €
7	3,6400 €
17	2,6600 €
37	1,3800 €
75	1,0200 €
125	0,8900 €
175	0,5823 €
250	0,5445 €
350	0,4945 €
450	0,4610 €
	0,4169 €

**Remarks**

Kraj pochodzenia: DE | Numer taryfy celnej: 73202089