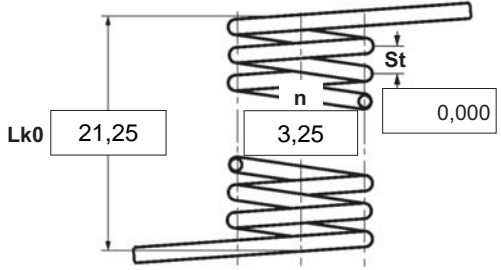


$\alpha$	degree	Unstressed leg position
$\alpha 1$	degree	Prestressed rotational angle
$\alpha 2$	degree	Loaded rotational angle
$\alpha h$	degree	Excursion
$\alpha n$	degree	Maximum rotational angle
d	mm	Wire diameter
Ddmin	mm	Min. possible mandrel diameter
Ddmax	mm	Max. possible mandrel diameter
De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

**13 Production compensation through**

A spring torque and the associated swing angle  $\alpha$

A spring torque and the associated swing angle and  $\alpha 0$

Two spring resistances and the associated swing angle  $\alpha, n, d$

$\alpha, n, Di$

**3 Fixing**

Recumbent leg  Lever leg

**9 Material**

EN 10270-3-1.4310

**10 Wire or rod surface**

drawn  rolled  metal-cut

**Prices**

Grupa ilociowa	Cena jednostkowa [EUR]
1	
2	6,4400 €
3	4,5400 €
7	4,3300 €
17	3,5700 €
37	2,3000 €
75	1,8300 €
	1,7400 €

**4 Load**

in winding direction

against winding direction

**11 Surface treatment**

**Remarks**

Kraj pochodzenia: DE | Numer taryfy celnej: 73202089