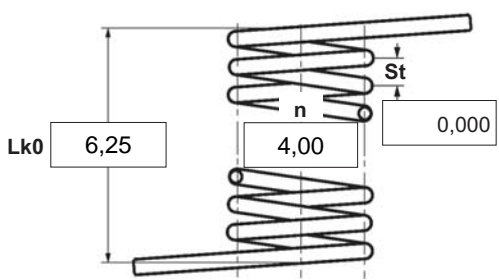


$\alpha$	degree	Unstressed leg position
$\alpha_1$	degree	Prestressed rotational angle
$\alpha_2$	degree	Loaded rotational angle
$\alpha_h$	degree	Excursion
$\alpha_n$	degree	Maximum rotational angle
d	mm	Wire diameter
Ddmin	mm	Min. possible mandrel diameter
Ddmax	mm	Max. possible mandrel diameter
De	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"/>	<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.

**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  $\alpha_0$     n, d

Two spring resistances and the associated swing angle    n, Di

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

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

**3 Fixing**

Recumbent leg    Lever leg

**9 Material**

EN 10270-3-1.4310

**10 Wire or rod surface**

drawn     rolled     metal-cut

**4 Load**

in winding direction

against winding direction

**11 Surface treatment**

**Prices**

Quantità progressive	Prezzo singolo [EUR]
1	5,1600 €
2	3,6400 €
3	3,4700 €
7	2,4200 €
17	1,1500 €
37	0,8500 €
75	0,6800 €
125	0,4859 €
175	0,4196 €
250	0,3695 €
350	0,3536 €
450	0,3284 €

**Remarks**

Paese d'origine: DE | Numero della tariffa doganale: 73202089