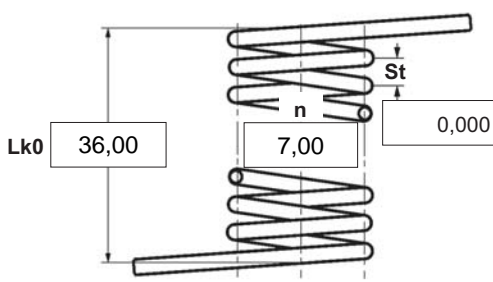


α	degree	Unstressed leg position
α1	degree	Prestressed rotational angle
α2	degree	Loaded rotational angle
αh	degree	Excursion
αn	degree	Maximum rotational angle
d	mm	Wire diameter
Ddmin	mm	Min. possible mandrel diameter
Ddmax	mm	Max. possible mandrel diameter
De	mm	Outer coil diameter
Di	mm	Inner coil 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**  
  left  
  right

**5 Excursion αh**  degr.  
**6 Stress cyc. end. N**

**12 Tolerances to DIN 2194**

Grade	Di	Lk0	LSH,LSR	α, α1, α2	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  
**9 Material**  
 EN 10270-3-1.4310

**13 Production compensation through**

A spring torque and the associated swing angle	α	<input checked="" type="checkbox"/>
A spring torque and the associated swing angle and α0	n, d	<input type="checkbox"/>
	n, Di	<input type="checkbox"/>
Two spring resistances and the associated swing angle	α, n, d	<input type="checkbox"/>
	α, 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	6,3100 €
3	4,4500 €
7	4,2400 €
17	3,4500 €
37	2,2200 €
75	1,7500 €
	1,6000 €

**Remarks**  
 Kraj pochodzenia: DE | Numer taryfy celnej: 73202089