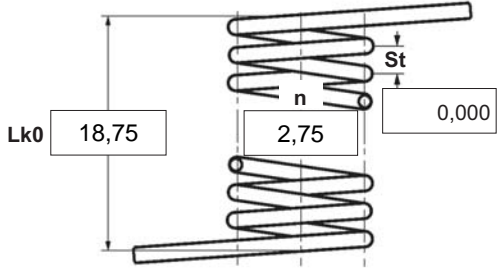


$\alpha$	degree	Unstressed leg position
$\alpha 1$	degree	Prestressed rotational angle
$\alpha 2$	degree	Loaded rotational angle
$\alpha h$	degree	Excursion
$\alpha n$	degree	Maximum rotational angle
$d$	mm	Wire diameter
$D_{dmin}$	mm	Min. possible mandrel diameter
$D_{dmax}$	mm	Max. possible mandrel diameter
$D_e$	mm	Outer coil diameter
$D_i$	mm	Inner coil diameter
$F_1$	N	Prestressed spring force
$F_2$	N	Loaded spring force
$L_{k0}$	mm	Length of spring body when relaxed
$LS$	mm	Length of leg
$M_1$	Nmm	Prestressed torque
$M_2$	Nmm	Loaded torque
$M_n$	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

**2 Form of legs**  
 tangential, straight, no bends \*  
  
 \*We can also supply torsion springs with any form of leg for an extra charge.

**3 Fixing**  
 Recumbent leg    Lever leg  
   

**4 Load**  
 in winding direction  
 against winding direction

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

**6 Stress cyc. end.  $N$**

**7 Stress cycle frequ.  $n$**   /

**8 Application temp.**  °C

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

**10 Wire or rod surface**  
 drawn     rolled     metal-cut

**11 Surface treatment**

**12 Tolerances to DIN 2194**

Grade	$D_i$	$L_{k0}$	LSH,LSR	$\alpha, \alpha 1, \alpha 2$	$M_1, M_2$	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"/>

**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"/>
	$n, D_i$	<input type="checkbox"/>
Two spring resistances and the associated swing angle	$\alpha, n, d$	<input type="checkbox"/>
	$\alpha, n, D_i$	<input type="checkbox"/>

**Prices**

Quantity scale	Single price [EUR]
1	6,4400 €
2	4,5400 €
3	4,3300 €
7	3,5700 €
17	2,3000 €
37	1,8300 €
75	1,7400 €

**Remarks**  
 Country of origin: DE | Customs tariff number: 73202089