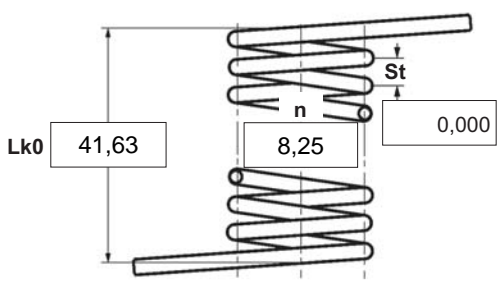


$\alpha$  degree Unstressed leg position  
 $\alpha 1$  degree Prestressed rotational angle  
 $\alpha 2$  degree Loaded rotational angle  
 $\alpha h$  degree Excursion  
 $\alpha n$  degree Maximum rotational angle  
 $d$  mm Wire diameter  
 $Ddmin$  mm Min. possible mandrel diameter  
 $Ddmax$  mm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

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	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"/>

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"/>

Prices

Quantity scale	Single price [EUR]
1	6,3100 €
2	4,4500 €
3	4,2400 €
7	3,4500 €
17	2,2200 €
37	1,7500 €
75	1,6000 €

Remarks

Country of origin: DE | Customs tariff number: 73202089