



$\alpha$	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**

Quantità progressive	Prezzo singolo [EUR]
1	5,2700 €
2	3,7200 €
3	3,5400 €
7	2,5100 €
17	1,2200 €
37	0,9000 €
75	0,7300 €
125	0,5070 €
175	0,4444 €
250	0,4132 €
350	0,3853 €
450	0,3536 €

**Remarks**

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