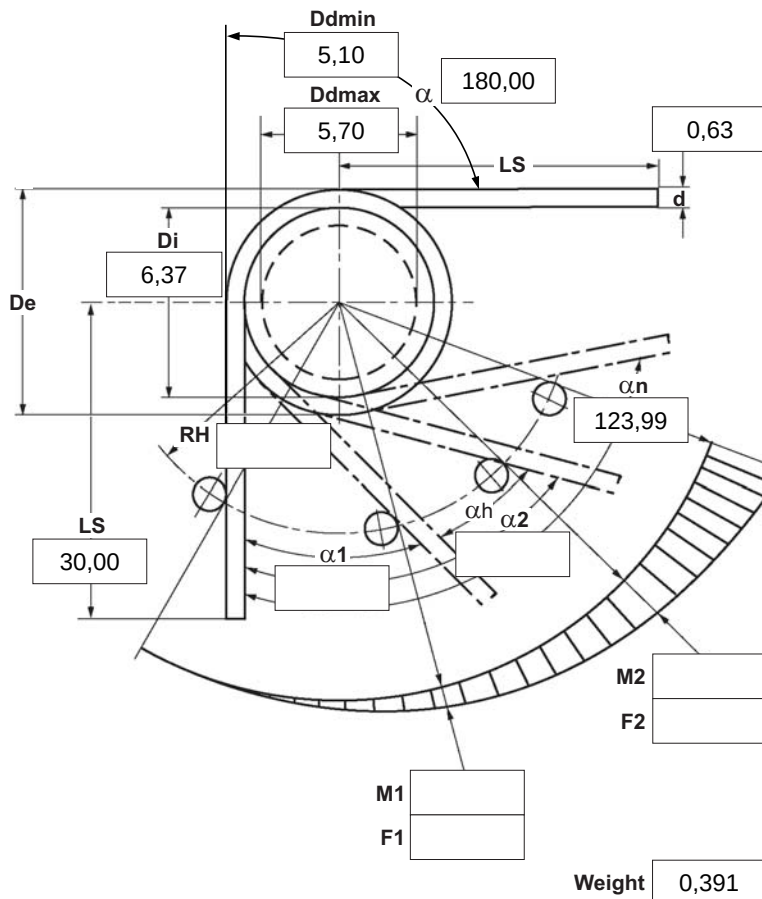
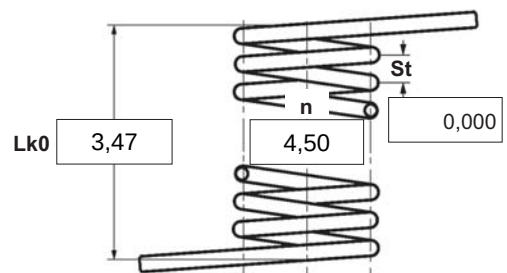


05.2025



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

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 α_h degr.

6 Stress cyc. end. N

7 Stress cycle frequ. n /

8 Application temp. °C

9 Material

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	☐	☐	☐	☐	☐	☐
2	☒	☒	☒	☒	☒	☒
3	☐	☐	☐	☐	☐	☒

13 Production compensation through

A spring torque and the associated swing angle	α ☒
A spring torque and the associated swing angle and α_0	n, d ☐
	n, Di ☐
Two spring resistances and the associated swing angle	α, n, d ☐
	α, n, Di ☐

Prices

Cantidad progresiva	Precio unidad [EUR]
1	5,1100 €
2	3,6000 €
3	3,4300 €
7	2,2200 €
17	1,1200 €
37	0,7400 €
75	0,5500 €
125	0,4570 €
175	0,4069 €
250	0,3567 €
350	0,3095 €
450	0,2652 €

Remarks

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