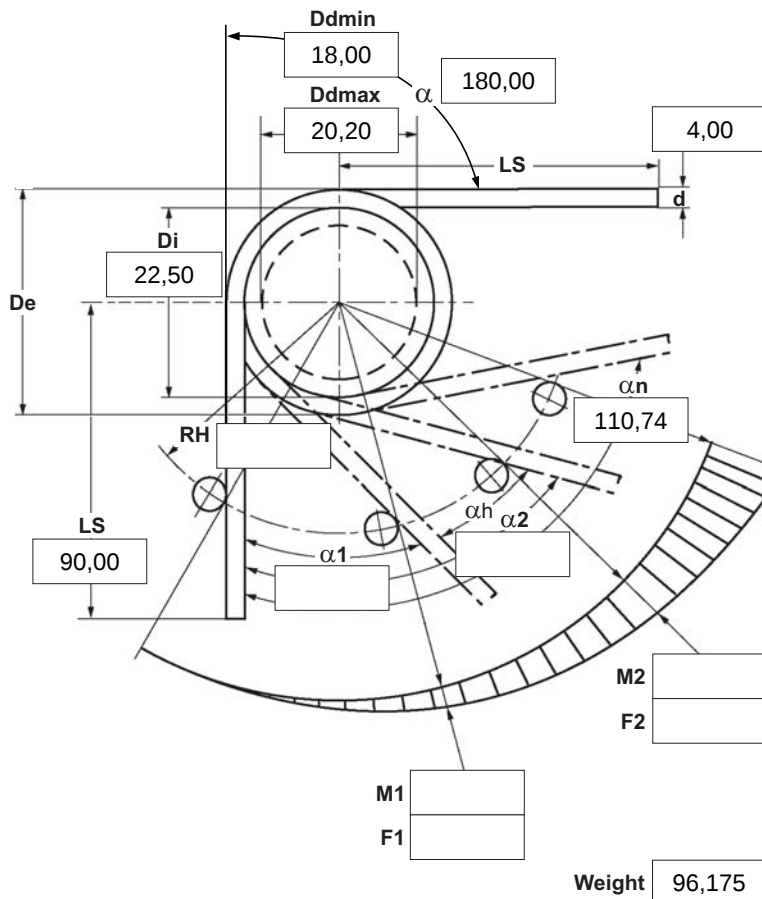
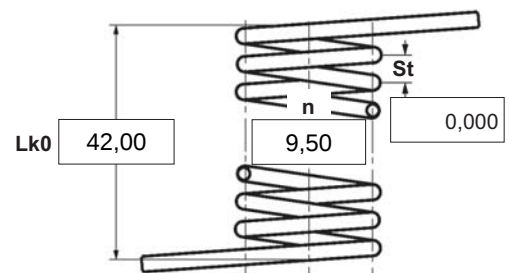


05.2025



α	degree	Unstressed leg position
$\alpha 1$	degree	Prestressed rotational angle
$\alpha 2$	degree	Loaded rotational angle
αh	degree	Excursion
αn	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
Lk_0	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 FixingRecumbent 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	D_i	Lk_0	LSH,LSR	$\alpha, \alpha 1, \alpha 2$	M_1, M_2	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 $\alpha 0$	n, d	☐
	n, D_i	☐
Two spring resistances and the associated swing angle	α, n, d	☐
	α, n, D_i	☐

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