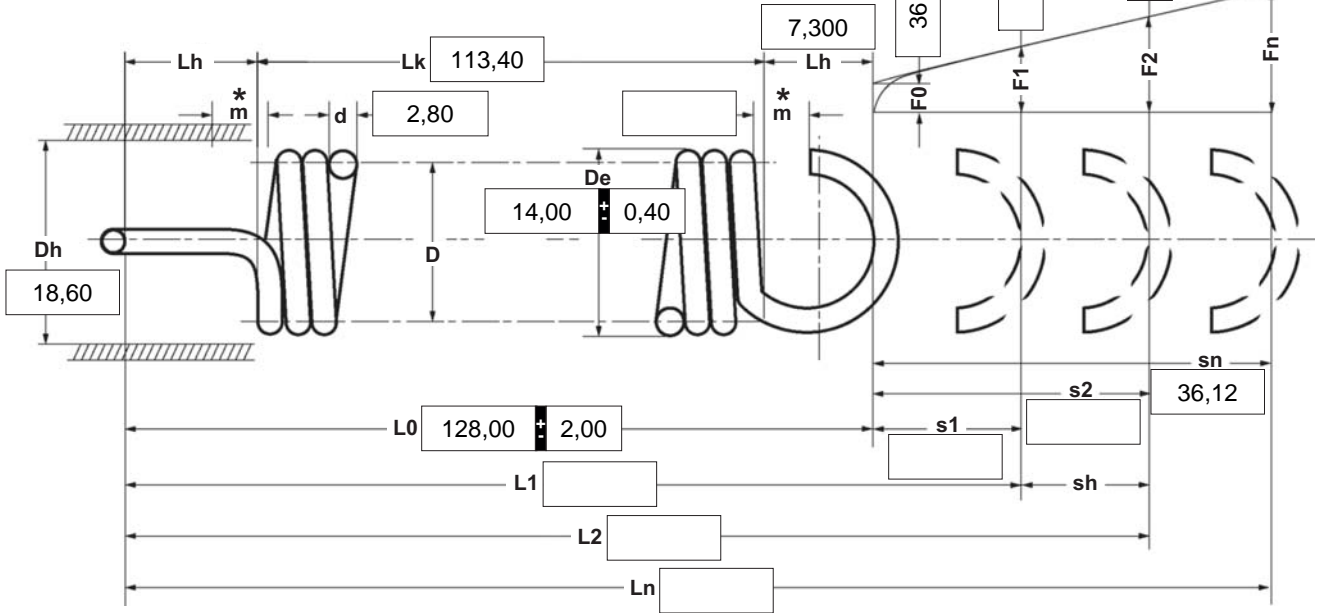


d mm	Wire diameter	L1 mm	Prestressed spring length
D mm	Mean coil diameter	L2 mm	Loaded spring length
De mm	Outer coil diameter	Ln mm	Maximum spring length
Dh mm	Minimum diameter of bush	m mm	Loop opening width
F0 N	Initial tension	n pc.	Number of aktive coils
F1 N	Prestressed spring force	nt pc.	Total number of coils
F2 N	Loaded spring force	s1 mm	Prestressed spring deflection
Fn N	Maximum spring force	s2 mm	Loaded spring deflection
Lh mm	Loop height	sn mm	Maximum spring deflection
Lk mm	Lenght of unstressed spring body	sh mm	Excursion
L0 mm	Unstressed spring length	R N/mm	Spring rate

Weight g Weight of one spring

\* Loops are stocked without openings (m = 0,00). However it is possible to have an opening cut into the loop at an extra cost, without causing any delay.

45,45  
+ 45,45



n  nt  R 9,691 Weight 70,667

Spring test acc. to DIN ISO 2859/1 test level II

**1 Coiling direction**

left  right

**4 Stress cyc. end. N**

**5 Stress cycle frequ. n**  /

**2 Loop shape and loop position**

Loop shape

1/1 German loop

Loops offset to one another

by  180,0  + 33,0  degrees (in the dir. of the right helix)

**6 Application temp.**  °C

**7 Material**

EN 10270-3-1.4310

**3 Wire or rod surface**

drawn  rolled  metal-cut

**9 Surface treatment**

**3 Excursion sh**  mm

**Remarks**

Paese d'origine: DE | Numero della tariffa doganale: 73202085

**10 Tolerances to DIN 2097**

Grade	De,Di,D	L0	F0-Fn	Loops	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 checked="" type="checkbox"/>

**11 Production compensation through**

A spring resistance, associated length of tensed spring and L0	F0, D <input checked="" type="checkbox"/>
A spring resistance, associated length of tensed spring and F0	L0, n, d <input type="checkbox"/> L0, D <input type="checkbox"/>
Two spring resistances and associated length of tensed spring	L0, n, d <input type="checkbox"/> F0, D <input type="checkbox"/>

**Prices**

Quantità progressive	Prezzo singolo [EUR]
1	7,3900 €
2	4,6600 €
3	3,7300 €
7	3,1800 €
17	3,1800 €
37	3,1800 €
75	3,1800 €
125	3,1800 €
175	3,1800 €
250	3,1800 €
350	3,1800 €
450	3,1800 €