

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 active 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	Length of unstressed spring body	sh	mm	Excursion
L0	mm	Unstressed spring length	R	N/mm	Spring rate

Symbol	Unit	Description	Value
Lh	mm	Loop height	17,000
Lk	mm	Length of unstressed spring body	167,00
L0	mm	Unstressed spring length	201,00
sn	mm	Maximum spring deflection	144,23
sh	mm	Excursion	
R	N/mm	Spring rate	542,50

The technical drawing shows a spring with a hook and a body. Key dimensions include:

- Lh**: Loop height = 17,000 mm
- Lk**: Length of unstressed spring body = 167,00 mm
- L0**: Unstressed spring length = 201,00 mm
- sn**: Maximum spring deflection = 144,23 mm
- sh**: Excursion (indicated by a dashed line)
- R**: Spring rate = 542,50 N/mm
- Dh**: Hook diameter = 35,40 mm
- D**: Wire diameter = 29,00 mm
- De**: End distance = 0,35 mm
- d**: Hook diameter = 4,00 mm
- m**: Fillet radius (indicated by *m)

 A graph on the right shows the load F versus deflection s . The load increases linearly from F_0 to F_n as deflection increases from s_1 to s_2 . The spring rate R is the slope of this line.

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

Quantità progressive	Prezzo singolo [EUR]
1	13,8800 €
2	11,0500 €
3	6,5900 €
7	4,6100 €
17	4,6100 €
37	4,6100 €
75	4,6100 €
125	4,6100 €
175	4,6100 €
250	4,6100 €
350	4,6100 €

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