

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	3,630
Lk	mm	Length of unstressed spring body	43,94
L0	mm	Unstressed spring length	51,20 + 1,30
sn	mm	Maximum spring deflection	673,00
sh	mm	Excursion	
R	N/mm	Spring rate	1,46

The technical drawing shows a spring with a hook and a series of coils. Key dimensions are labeled: Dh (hook diameter) = 5,70; Lh (loop height) = 3,630; Lk (length of unstressed spring body) = 43,94; L0 (unstressed spring length) = 51,20 + 1,30; sn (maximum spring deflection) = 673,00; sh (excursion) = 1,30; and R (spring rate) = 1,46. The drawing also includes a load-deflection graph showing the relationship between force (F) and deflection (s). The graph starts at F0 = 0,03 and ends at Fn = 1,46. The deflection values are s1, s2, and sn. The spring is shown in a state of tension, with the coils being pulled apart.

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

Quantity scale	Single price [EUR]
1	6,0900 €
2	3,8400 €
3	2,2300 €
7	1,8600 €
17	0,9400 €
37	0,5800 €
75	0,4000 €
125	0,3775 €
175	0,3713 €
250	0,3676 €
350	0,3582 €
450	0,3516 €