

07.2025

Symbol	Unit	Description	Value
F_n	N	Maximum spring force	48,85
L_h	mm	Loop height	2,260
L_k	mm	Lenght of unstressed spring body	54,68
L_0	mm	Unstressed spring length	59,20
s_2	mm	Loaded spring deflection	1,10
s_n	mm	Maximum spring deflection	21,45
sh	mm	Excursion	
R	N/mm	Spring rate	

The technical drawing shows a spring with a hook and a coiled body. Key dimensions are labeled: L_h (loop height), L_k (length of unstressed spring body), L_0 (unstressed spring length), L_1 , L_2 , and L_n (total length). The hook dimensions include D_h (hook diameter), d (hook wire diameter), and De (hook end diameter). The coiled body dimensions include D (coil diameter), d (wire diameter), and De (end diameter). The load-deflection graph shows the relationship between force F and deflection s . The graph starts at F_0 (4,71 N) and s_0 (0,90 mm) and ends at F_n (48,85 N) and s_n (21,45 mm). The spring rate R is indicated by the slope of the line.

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

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