

05.2025

Symbol	Unit	Description	Value
F_n	N	Maximum spring force	269,80
L_h	mm	Loop height	8,060
L_k	mm	Lenght of unstressed spring body	176,88
L_0	mm	Unstressed spring length	193,00
s_2	mm	Loaded spring deflection	2,50
s_n	mm	Maximum spring deflection	98,22
sh	mm	Excursion	2,50
R	N/mm	Spring rate	15,00

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 has a diameter D_h of 19,10 mm. The coiled body has a mean diameter D of 15,00 mm and a wire diameter d of 2,50 mm. The end of the coiled body has a diameter De of 0,30 mm. The spring is shown in a state of tension, with a force F_n of 269,80 N applied at the end. The force-displacement graph shows a linear relationship between force F and displacement s , with a spring rate R of 15,00 N/mm. The graph shows the force F_0 at the unstressed length L_0 and the force F_n at the maximum length L_n . The displacement s_n is the maximum spring deflection, and s_2 is the loaded spring deflection. The excursion sh is the distance between the unstressed and loaded states.

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

1 Coiling direction ☐ left ☒ right	4 Stress cyc. end. N	10 Tolerances to DIN 2097 <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Grade</th> <th>De,Di,D</th> <th>L0</th> <th>F0-Fn</th> <th>Loops</th> <th>Wire diameter d to DIN 2076</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td rowspan="3" style="text-align: center; vertical-align: middle;">☒</td> </tr> <tr> <td>2</td> <td>☒</td> <td>☒</td> <td>☒</td> <td>☒</td> </tr> <tr> <td>3</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> </tr> </tbody> </table>	Grade	De,Di,D	L0	F0-Fn	Loops	Wire diameter d to DIN 2076	1	☐	☐	☐	☐	☒	2	☒	☒	☒	☒	3	☐	☐	☐	☐
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1	☐	☐	☐	☐	☒																			
2	☒	☒	☒	☒																				
3	☐	☐	☐	☐																				
2 Loop shape and loop position Loop shape 1/1 German loop Loops offset to one another by 270,0 + 45,0 degrees (in the dir. of the right helix)	5 Stress cycle frequ. n /	6 Application temp. °C																						
3 Excursion sh mm	7 Material 1.4310	11 Production compensation through <table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="width: 80%;">A spring resistance, associated length of tensed spring and L0</td> <td style="width: 20%;">F0, D ☒</td> </tr> <tr> <td>A spring resistance, associated length of tensed spring and F0</td> <td>L0, n, d ☐ L0, D ☐</td> </tr> <tr> <td>Two spring resistances and associated length of tensed spring</td> <td>L0, n, d ☐ F0,D ☐</td> </tr> </tbody> </table>	A spring resistance, associated length of tensed spring and L0	F0, D ☒	A spring resistance, associated length of tensed spring and F0	L0, n, d ☐ L0, D ☐	Two spring resistances and associated length of tensed spring	L0, n, d ☐ F0,D ☐																
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8 Wire or rod surface ☒ drawn ☐ rolled ☐ metal-cut	9 Surface treatment 	Prices Megvásárlási lépcső Ft Egyvásárlás (EUIP) Ft																						

Remarks

Származási ország: DE | Vámtarifaszám: 73202085

Prices

Mennyiségi lépcső	Egységár (EUR)
1	7,1700 €
2	4,5200 €
3	3,5600 €
7	3,0400 €
17	1,6000 €
37	1,2900 €
75	1,1600 €
125	1,1600 €
175	1,1600 €
250	1,1600 €
350	1,1600 €
450	1,1600 €