

07.2025

Symbol	Unit	Description	Value
F_n	N	Maximum spring force	1134,00
L_h	mm	Loop height	15,600
L_k	mm	Lenght of unstressed spring body	68,75
L_0	mm	Unstressed spring length	100,00
s_2	mm	Loaded spring deflection	32,00
s_n	mm	Maximum spring deflection	32,00
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 m (hook radius). The coiled body dimensions include D (coil diameter), d (wire diameter), and De (end diameter). The force-displacement diagram on the right shows the relationship between force (F) and displacement (s). The forces F_0 , F_1 , F_2 , and F_n are indicated, along with the corresponding displacements s_1 , s_2 , and s_n . The spring rate R is also indicated.

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;"> Wire diameter d to DIN 2076 X </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	☐	☐	☐	☐	Wire diameter d to DIN 2076 X	2	☒	☒	☒	☒	3	☐	☐	☐	☐
Grade	De,Di,D	L0	F0-Fn	Loops	Wire diameter d to DIN 2076																			
1	☐	☐	☐	☐	Wire diameter d to DIN 2076 X																			
2	☒	☒	☒	☒																				
3	☐	☐	☐	☐																				
2 Loop shape and loop position Loop shape 1/1 German loop Loops offset to one another degrees (in the dir. of the right helix)	5 Stress cycle frequ. n /	6 Application temp. °C																						
7 Material EN 10270-1	8 Wire or rod surface ☒ drawn ☐ rolled ☐ metal-cut																							
3 Excursion sh mm	9 Surface treatment 																							
Remarks País de origen: DE Número de arancel aduanero: 73202085																								