

07.2025

Technical drawing of a mechanical part, showing a side view and a cross-section. The drawing includes dimensions and tolerances for various parameters:

- Dimensions:**
 - L_h : Horizontal distance from the left edge to the start of the first coil.
 - L_k : Horizontal distance between the centers of the two coils, $11,80$.
 - L_0 : Total horizontal length, $18,80 \pm 0,60$.
 - L_1 : Horizontal distance from the left edge to the center of the first coil.
 - L_2 : Horizontal distance from the left edge to the center of the second coil.
 - L_n : Horizontal distance from the left edge to the right edge of the part.
 - D_h : Vertical distance from the top edge to the center of the first coil, $7,40$.
 - d : Diameter of the wire, $0,80$.
 - D : Diameter of the coil.
 - D_e : External diameter of the coil, $6,00 \pm 0,20$.
 - m : Thickness of the material, $2,50$.
 - s_1 : Thickness of the first section.
 - s_2 : Thickness of the second section.
 - s_n : Thickness of the last section, $13,40$.
- Tolerances:**
 - $\pm 0,20$ for D_e .
 - $\pm 0,60$ for L_0 .
- Other Parameters:**
 - F_0, F_1, F_2, F_n : Forces or pressures applied to the part.
 - α : Angle of the part.

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	☐	☐	☐	☐
Grade	De,Di,D	L0	F0-Fn	Loops	Wire diameter d to DIN 2076																			
1	☐	☐	☐	☐	☒																			
2	☒	☒	☒	☒																				
3	☐	☐	☐	☐																				
2 Loop shape and loop position Loop shape 1/1 German loop Loops offset to one another by 270,0 + 18,0 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																							
8 Wire or rod surface ☒ drawn ☐ rolled ☐ metal-cut																								
9 Surface treatment 																								
Remarks País de origen: DE Número de arancel aduanero: 73202085																								