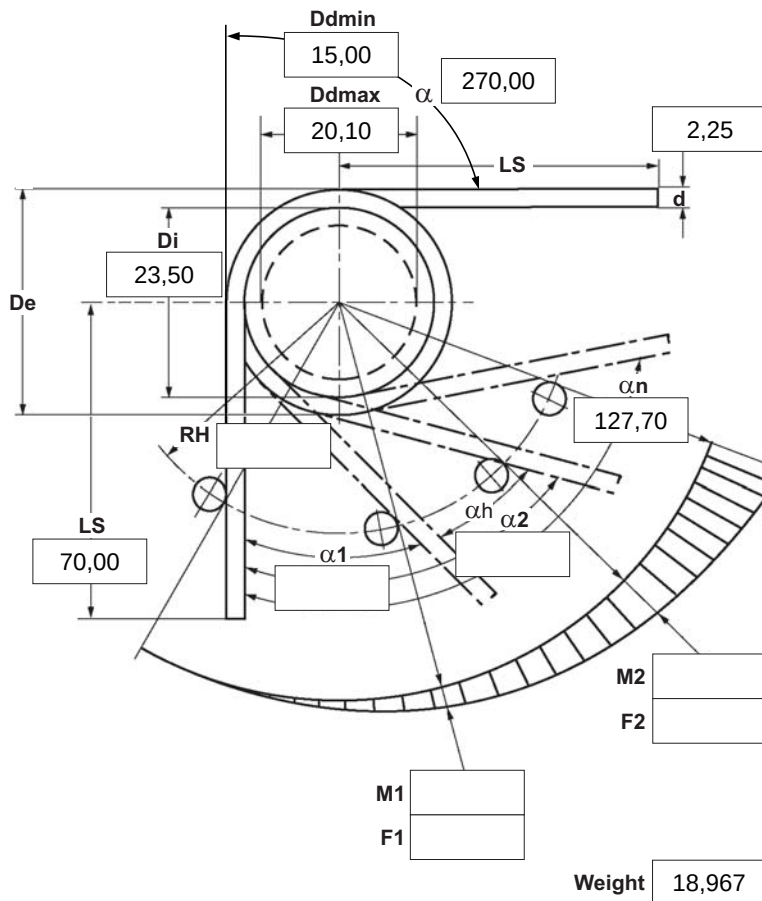
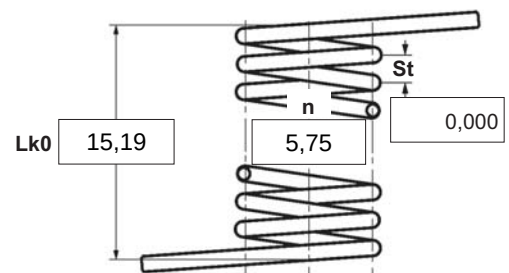


06.2025



α	degree	Unstressed leg position
α_1	degree	Prestressed rotational angle
α_2	degree	Loaded rotational angle
αh	degree	Excursion
αn	degree	Maximum rotational angle
d	mm	Wire diameter
Ddmin	mm	Min. possible mandrel diameter
Ddmax	mm	Max. possible mandrel diameter
De	mm	Outer coil diameter
Di	mm	Inner coil diameter
F1	N	Prestressed spring force
F2	N	Loaded spring force
Lk0	mm	Length of spring body when relaxed
LS	mm	Length of leg
M1	Nmm	Prestressed torque
M2	Nmm	Loaded torque
Mn	Nmm	Maximum torque
n	pc.	Active coils
RH	mm	Distance power flow point from centre
St	mm	Distance between coils (pitch)
Weight	g	Weight of one spring in grammes



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

1 Coiling direction ☐ left ☒ right	5 Excursion <u>a</u> degr.	12 Tolerances to DIN 2194 <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <th>Grade</th> <th>Di</th> <th>Lk0</th> <th>LSH,LSR</th> <th>$\alpha, \alpha 1, \alpha 2$</th> <th>M1,M2</th> <th>Wire diameter d to DIN 2076</th> </tr> <tr> <td>1</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td rowspan="3">☒</td> </tr> <tr> <td>2</td> <td>☒</td> <td>☒</td> <td>☒</td> <td>☒</td> <td>☒</td> </tr> <tr> <td>3</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> </tr> </table>	Grade	Di	Lk0	LSH,LSR	$\alpha, \alpha 1, \alpha 2$	M1,M2	Wire diameter d to DIN 2076	1	☐	☐	☐	☐	☐	☒	2	☒	☒	☒	☒	☒	3	☐	☐	☐	☐	☐
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2	☒		☒	☒	☒	☒																						
3	☐	☐	☐	☐	☐																							
2 Form of legs tangential, straight, no bends *	6 Stress cyc. end. <u>N</u>																											
*We can also supply torsion springs with any form of leg for an extra charge.	7 Stress cycle frequ. <u>n</u> /																											
3 Fixing Recumbent leg ☐ Lever leg ☐ 	8 Application temp. °C																											
4 Load ☐ in winding direction ☐ against winding direction	9 Material 1.4310																											
10 Wire or rod surface ☒ drawn ☐ rolled ☐ metal-cut		13 Production compensation through <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">A spring torque and the associated swing angle</td> <td style="width: 20%;">α ☒</td> </tr> <tr> <td rowspan="2">A spring torque and the associated swing angle and α0</td> <td>n, d ☐</td> </tr> <tr> <td>n, Di ☐</td> </tr> <tr> <td rowspan="2">Two spring resistances and the associated swing angle</td> <td>α, n, d ☐</td> </tr> <tr> <td>α, n, Di ☐</td> </tr> </table>	A spring torque and the associated swing angle	α ☒	A spring torque and the associated swing angle and α0	n, d ☐	n, Di ☐	Two spring resistances and the associated swing angle	α, n, d ☐	α, n, Di ☐																		
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11 Surface treatment 		Prices <table style="width: 100%;"> <tr> <td style="width: 60%; text-align: right;">Mennyiségi lépcsők</td> <td style="width: 40%; text-align: left;">Egységár (EUR)</td> </tr> <tr> <td style="text-align: right;">1</td> <td>5,4200 €</td> </tr> <tr> <td style="text-align: right;">2</td> <td>3,8200 €</td> </tr> <tr> <td style="text-align: right;">3</td> <td>3,6400 €</td> </tr> </table>	Mennyiségi lépcsők	Egységár (EUR)	1	5,4200 €	2	3,8200 €	3	3,6400 €																		
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Remarks

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