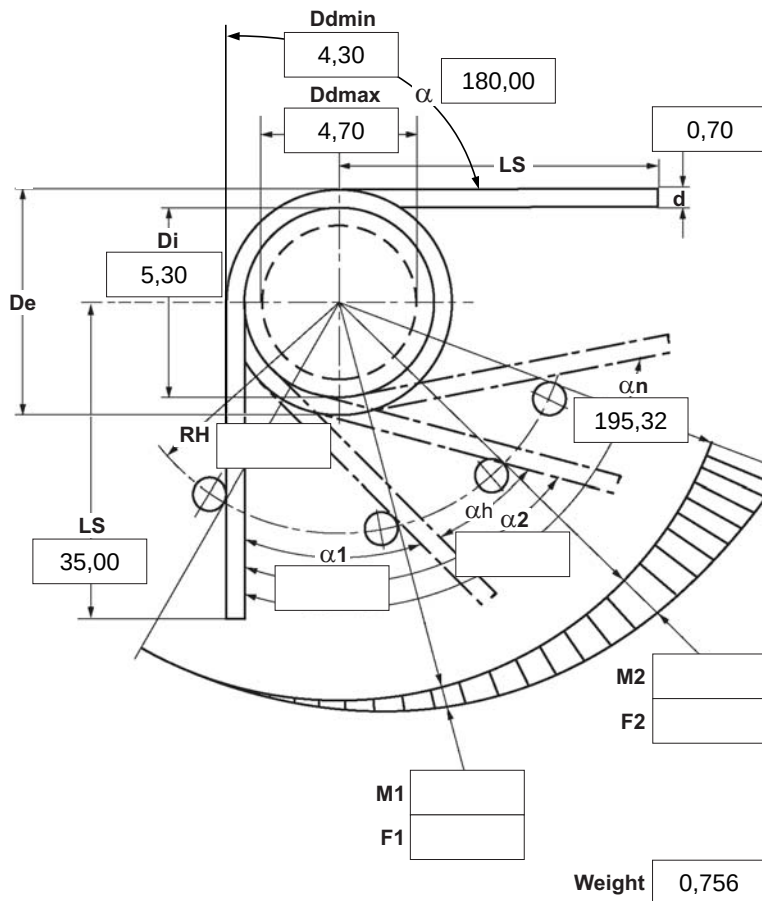
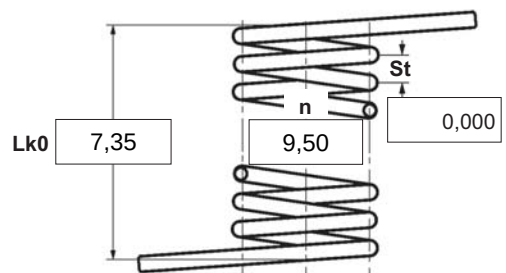


05.2025



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 αh degr.	12 Tolerances to DIN 2194 <table><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></td></tr><tr><td>2</td><td>☒</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><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	☐	☐	☐	☐	☐	☒
Grade	Di		Lk0	LSH,LSR	$\alpha, \alpha 1, \alpha 2$	M1,M2	Wire diameter d to DIN 2076																							
1	☐		☐	☐	☐	☐																								
2	☒		☒	☒	☒	☒																								
3	☐		☐	☐	☐	☐	☒																							
2 Form of legs tangential, straight, no bends *  *We can also supply torsion springs with any form of leg for an extra charge.	6 Stress cyc. end. N																													
3 Fixing Recumbent leg Lever leg 	7 Stress cycle frequ. n /																													
4 Load ☐ in winding direction ☐ against winding direction	8 Application temp. °C																													
9 Material 	10 Wire or rod surface ☒ drawn ☐ rolled ☐ metal-cut																													
11 Surface treatment 	13 Production compensation through <table><tr><td>A spring torque and the associated swing angle</td><td>α</td><td>☒</td></tr><tr><td>A spring torque and the associated swing angle and $\alpha 0$</td><td>n, d</td><td>☐</td></tr><tr><td></td><td>n, Di</td><td>☐</td></tr><tr><td>Two spring resistances and the associated swing angle</td><td>α, n, d</td><td>☐</td></tr><tr><td></td><td>α, n, Di</td><td>☐</td></tr></table>	A spring torque and the associated swing angle	α	☒	A spring torque and the associated swing angle and $\alpha 0$	n, d	☐		n, Di	☐	Two spring resistances and the associated swing angle	α, n, d	☐		α, n, Di	☐														
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Two spring resistances and the associated swing angle	α, n, d	☐																												
	α, n, Di	☐																												
Remarks Kraj pochodzenia: DE Numer taryfy celnej: 73202089																														

Prices	
Grupa ilociowa	Cena jednostkowa [EUR]
1	
2	5,1100 €
3	3,6000 €
7	3,4300 €
17	2,2200 €
37	1,1200 €
75	0,7400 €
125	0,5500 €
175	0,4570 €
250	0,4069 €
350	0,3567 €
450	0,3095 €
	0,2652 €