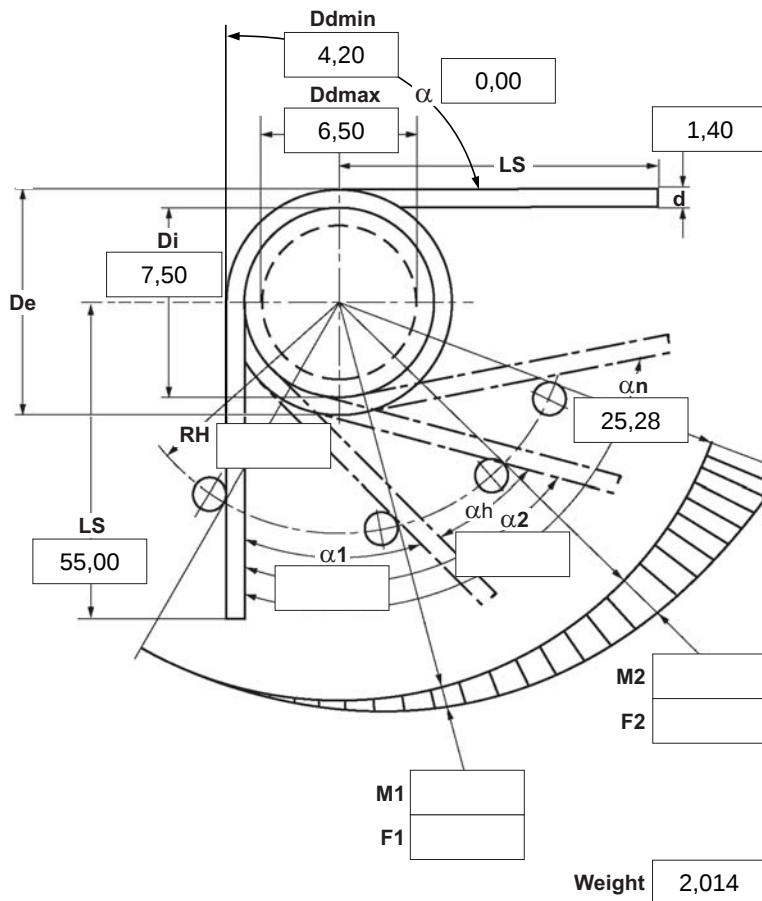
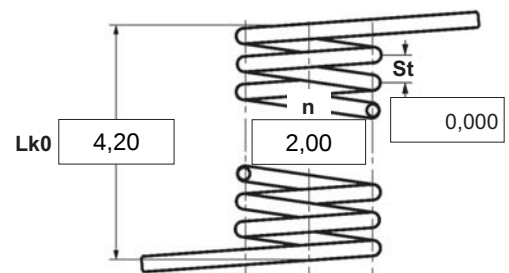


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|------------|--------|---------------------------------------|
| α | degree | Unstressed leg position |
| α_1 | degree | Prestressed rotational angle |
| α_2 | degree | Loaded rotational angle |
| αh | degree | Excursion |
| αn | degree | Maximum 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 border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <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> </thead> <tbody> <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> </tbody> </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 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	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>A spring torque and the associated swing angle and $\alpha 0$</td> <td> n, d ☐ n, Di ☐ </td> </tr> <tr> <td>Two spring resistances and the associated swing angle</td> <td> α, n, d ☐ α, n, Di ☐ </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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7 Stress cycle frequ. n /	8 Application temp. °C																														
3 Fixing Recumbent leg ☐ Lever leg ☐	9 Material 1.4310	Prices <table style="width: 100%;"> <tr> <td style="width: 50%; text-align: right;">Mennyiségi lépcsők</td> <td style="width: 50%; text-align: right;">Egységár (EUR)</td> </tr> <tr> <td style="text-align: right;">1</td> <td style="text-align: right;">5,1600 €</td> </tr> <tr> <td style="text-align: right;">2</td> <td style="text-align: right;">3,6400 €</td> </tr> <tr> <td style="text-align: right;">3</td> <td style="text-align: right;">3,4700 €</td> </tr> </table>		Mennyiségi lépcsők	Egységár (EUR)	1	5,1600 €	2	3,6400 €	3	3,4700 €																				
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4 Load ☐ in winding direction ☐ against winding direction	10 Wire or rod surface ☒ drawn ☐ rolled ☐ metal-cut	11 Surface treatment 																													
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Remarks

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