

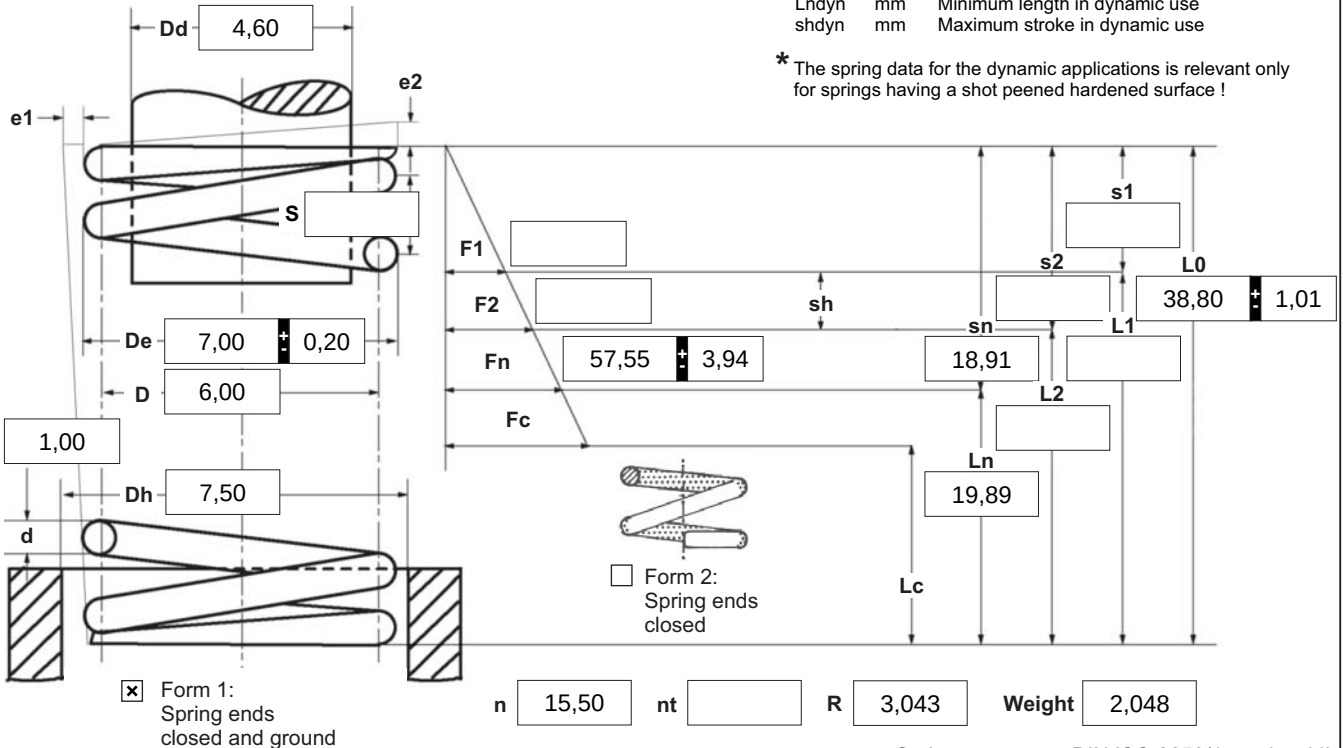
06.2025

d	mm	Wire diameter
D	mm	Mean coil diameter
De	mm	Diameter of mandrel
Dd	mm	Outer coil diameter
Dh	mm	Diameter of bush
e1	mm	Perm.dev. perpendicular line
e2	mm	Perm.dev. parallel line
F1	N	Prestressed spring force
F2	N	Loaded spring force

F _n	N	Maximum force in static use
F _c	N	Theoretic maximum force at L _c
L ₀	mm	Length of unstressed spring
L ₁	mm	Prestressed spring length
L ₂	mm	Loaded spring length
L _k	mm	Buckling length
L _n	mm	Minimum length in static use
L _c	mm	Block length
n	pc.	Active coils

nt	pc.	Total coils	06.2
R	N/mm	Spring rate	
S	mm	Pitch (distance between coils)	
s1	mm	Prestressed spring deflection	
s2	mm	Loaded spring deflection	
sh	mm	Maximum stroke in static use	
sn	mm	Maximum spring deflection in static use	
Weight	g	Weight of one spring in grammes	
Fndyn	N	Maximum force in dynamic force	
Fndtol	N	(+/-) tolerance of maximum dynamic force	
Lndyn	mm	Minimum length in dynamic use	
shdyn	mm	Maximum stroke in dynamic use	

* The spring data for the dynamic applications is relevant only for springs having a shot peened hardened surface !



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

1 Coiling direction * ☐ left ☒ right		7 Guidance and seat to DIN EN 13906-1 ☐ mandrel ☐ bush Buckling length L_k at v=0,5 / Bild 5 26,04 mm		12 Tolerances to DIN EN 15800 <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <th>Grade</th> <th>De,Di,D</th> <th>L0</th> <th>F1,F2</th> <th>e1,e2</th> <th rowspan="4">Wire diameter d to DIN 2076</th> </tr> <tr> <td>1</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</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> <tr> <td colspan="5"></td> <td>☒</td> </tr> </table>		Grade	De,Di,D	L0	F1,F2	e1,e2	Wire diameter d to DIN 2076	1	☐	☐	☐	☐	2	☒	☒	☒	☒	3	☐	☐	☐	☐						☒	
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3 Excursion sh mm		9 Wire or rod surface ☒ drawn ☐ rolled ☐ metal-cut		14 Setting springs All springs which show setting tendency because of their size are pre-set within the production process.																													
4 Stress cyc. end. N		10 Springs deburred ☐ inside ☐ outside		Prices <table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">Desconto por quantidade</th> <th style="text-align: left;">Preço individual</th> </tr> <tr> <td>1</td> <td>[EUR]</td> </tr> <tr> <td>2</td> <td>4,8100 €</td> </tr> <tr> <td>3</td> <td>3,3900 €</td> </tr> <tr> <td>7</td> <td>3,2300 €</td> </tr> <tr> <td>17</td> <td>1,8100 €</td> </tr> <tr> <td>37</td> <td>0,7800 €</td> </tr> <tr> <td>75</td> <td>0,4700 €</td> </tr> <tr> <td>125</td> <td>0,2700 €</td> </tr> <tr> <td>175</td> <td>0,2226 €</td> </tr> <tr> <td>250</td> <td>0,1689 €</td> </tr> <tr> <td>350</td> <td>0,1503 €</td> </tr> <tr> <td>450</td> <td>0,1199 €</td> </tr> <tr> <td></td> <td>0,1011 €</td> </tr> </table>		Desconto por quantidade	Preço individual	1	[EUR]	2	4,8100 €	3	3,3900 €	7	3,2300 €	17	1,8100 €	37	0,7800 €	75	0,4700 €	125	0,2700 €	175	0,2226 €	250	0,1689 €	350	0,1503 €	450	0,1199 €		0,1011 €
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6 Application temp. °C		Remarks País de origem: DE Número de tarifa alfandegária: 73202081																															