

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	09.
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

09.2025

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

L_{ndyn} mm Minimum length in dynamic use
 s_{hdyn} mm Maximum stroke in dynamic use

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

Form 1: Spring ends closed and ground
 Form 2: Spring ends closed

Dimensions and values:
 Dd : 0,80
 $e1$: []
 $e2$: []
 S : []
 De : 1,32 $\pm$ 0,10
 D : 1,20
 $0,12$: []
 Dh : 1,60
 d : []
 $F1$: []
 $F2$: []
 F_n : 0,44 $\pm$ 0,05
 F_c : []
 sh : []
 sn : 5,21
 $L0$: 7,50 $\pm$ 0,48
 $L1$: []
 $L2$: []
 Ln : 2,30
 Lc : []
 n : 12,50
 nt : []
 R : 0,084
 Weight: 0,005

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

1 Coiling direction

☐ left ☒ right

2 Dynamic load *	
Fndyn	0,42
Fndtol	0,05
Lndyn	2,48
shdyn	1,78

3 Excursion sh

4 Stress cyc. end. N

5 Stress cycle frequ. n /

6 Application temp.	
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Remarks

Zem pôvodu: DE | číslo celného sazebníku: 73202081

7 Guidance and seat to DIN EN 13906-1

☐ mandrel ☐ bush

Buckling length L_k at

v=0,5 / Bild 5	4,69	mm
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8 Material	
1.4310	

9 Wire or rod surface
☒ drawn ☐ rolled ☐ metal-cut

10 Springs deburred ☐ inside ☐ outside

11 Surface treatment ☐ shot peened

[illegible]

12 Tolerances to DIN EN 15800

Grade	De,Di,D	L0	F1,F2	e1,e2	Wire diameter d DIN 2076
1	☐	☐	☐	☐	
2	☒	☒	☒	☒	
3	☐	☐	☐	☐	

13	Prouction compensation	through
A spring resistance and associated length of tensed spring	L0	☐
A spring resistance, associated length of tensed spring and L0	n, d	☒
	L0, De, Di	☐
Two spring resistances and associated lengths of tensed spring	L0, n, d	☐
	L0, n, De, Di	☐

14 Setting springs

All springs which show setting tendency because of their size are pre-set within the production process.

Prices

Stupnice množství	Jedn. cena [EUR]
1	4,9000 €
2	3,4600 €
3	3,3000 €
7	1,8900 €
17	0,9300 €
37	0,5700 €
75	0,3900 €
125	0,3566 €
175	0,3067 €
250	0,2817 €
350	0,2526 €
450	0,1895 €