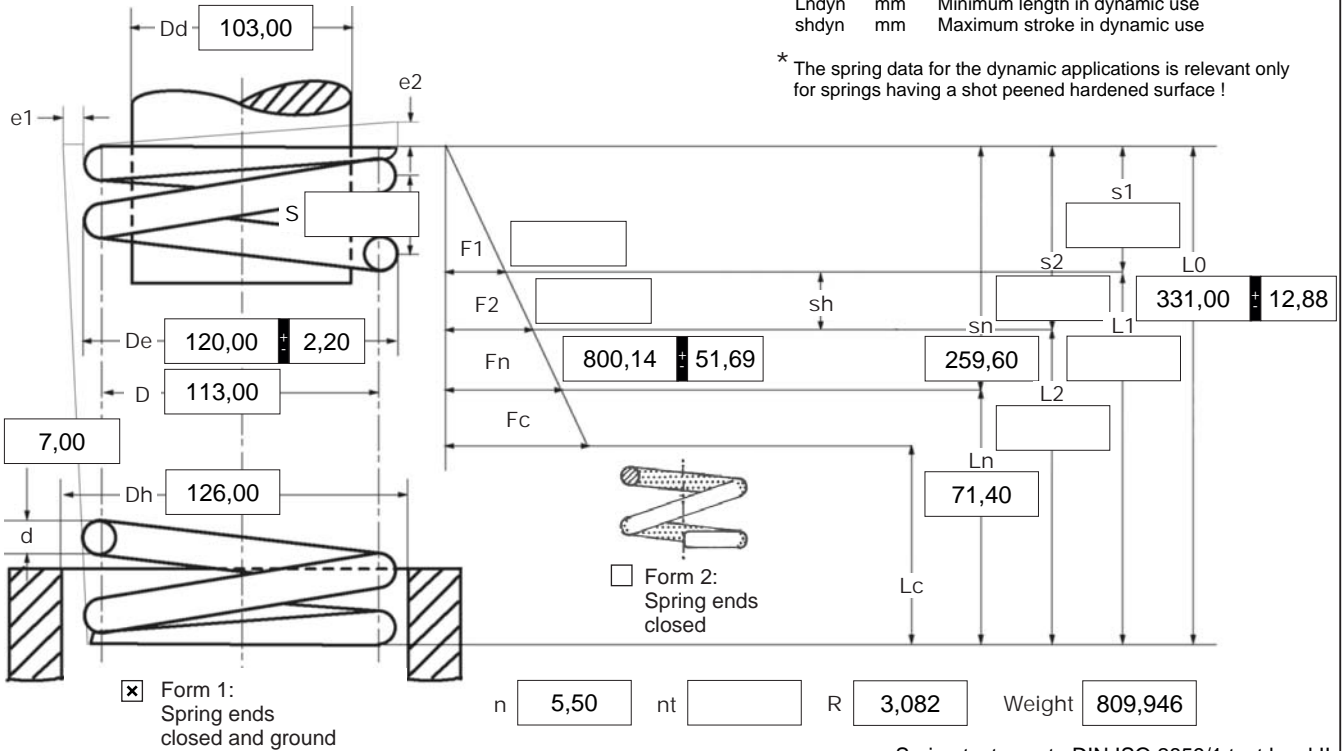


d mm Wire diameter  
 D mm Mean coil diameter  
 Dd mm Diameter of mandrel  
 De mm Outer coil diameter  
 Dh mm Diameter of bush  
 e1 mm Perm.dev. perpendicular line  
 e2 mm Perm.dev. parallel line  
 F1 N Prestressed spring force  
 F2 N Loaded spring force

Fn N Maximum force in static use  
 Fc N Theoretic maximum force at Lc  
 L0 mm Length of unstressed spring  
 L1 mm Prestressed spring length  
 L2 mm Loaded spring length  
 Lk mm Buckling length  
 Ln mm Minimum length in static use  
 Lc mm Block length  
 n pc. Active coils

nt pc. Total coils  
 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

**2** Dynamic load \*  
 Fndyn 771,01  
 Fndtol 51,20  
 Lndyn 80,85  
 shdyn 115,13

**3** Excursion sh  mm

**4** Stress cyc. end. N

**5** Stress cycle frequ. n  /

**6** Application temp.  °C

**7** Guidance and seat to DIN EN 13906-1  
 mandrel  bush  
 Buckling length  $L_k$  at  
 $v=0,5$  / Bild 5  mm

**8** Material  
 EN 10270-1

**9** Wire or rod surface  
 drawn  rolled  metal-cut

**10** Springs deburred  inside  outside

**11** Surface treatment  shot peened

**12** Tolerances to DIN EN 15800

Grade	De, Di, D	L0	F1, F2	e1, e2	Wire diameter d to DIN 2076
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**13** Production compensation through

A spring resistance and associated length of tensed spring L0

A spring resistance, associated length of tensed spring and L0 n, d   
 n, 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	17,2900
2	13,7700
3	10,0900
7	8,3300
17	7,1500
37	6,1700
75	6,0800
125	6,0685
175	6,0249
250	5,8410
350	5,6505

Remarks  
 Zem pvodu: DE | íslo celního sazebníku: 73202081