

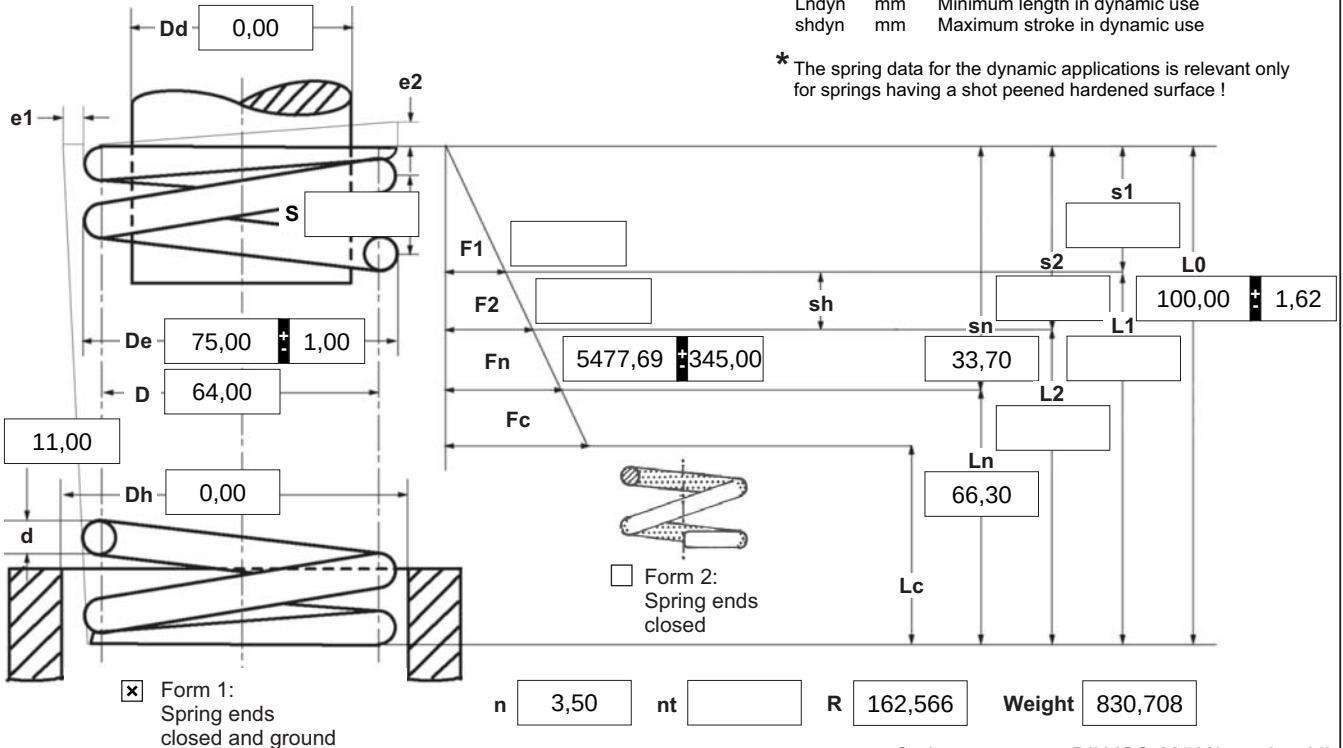
d mm Wire diameter
 D mm Mean coil diameter
 Dd mm Diameter of mandrel
 De mm Outer coil diameter
 Dh mm Diameter of bush
 e1 mm Perm.dev. perpendicular line
 e2 mm Perm.dev. parallel line
 F1 N Prestressed spring force
 F2 N Loaded spring force

F_n N Maximum force in static use
 F_c N Theoretic maximum force at L_c
 L0 mm Length of unstressed spring
 L1 mm Prestressed spring length
 L2 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
 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

F_{ndyn} N Maximum force in dynamic force
 F_{ndtol} N (+/-) tolerance of maximum dynamic force
 L_{ndyn} mm Minimum length in dynamic use
 sh_{dyn} mm Maximum stroke in dynamic use

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

**1 Coiling direction**

☐ left ☒ right

2 Dynamic load *F_{ndyn} 0,00F_{ndtol} 0,00L_{ndyn} 0,00sh_{dyn} 0,00**3 Excursion sh**

mm

4 Stress cyc. end. N

/

5 Stress cycle frequ. n

°C

6 Application temp.

°C

7 Guidance and seat to DIN EN 13906-1☐ mandrel ☐ bushBuckling length **L_k** at

v=0,5 / Bild 5 0,00 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	☐	☐	☐	☐	☐
2	☒	☒	☒	☒	☒
3	☐	☐	☐	☐	☐

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 ☒

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

Quantità progressive	Prezzo singolo [EUR]
1	39,1400 €
2	31,1800 €
3	30,5900 €
7	27,6100 €
17	25,4600 €
37	24,0000 €
75	23,1400 €
125	23,0080 €
175	22,7957 €
250	22,4802 €
350	22,0368 €