

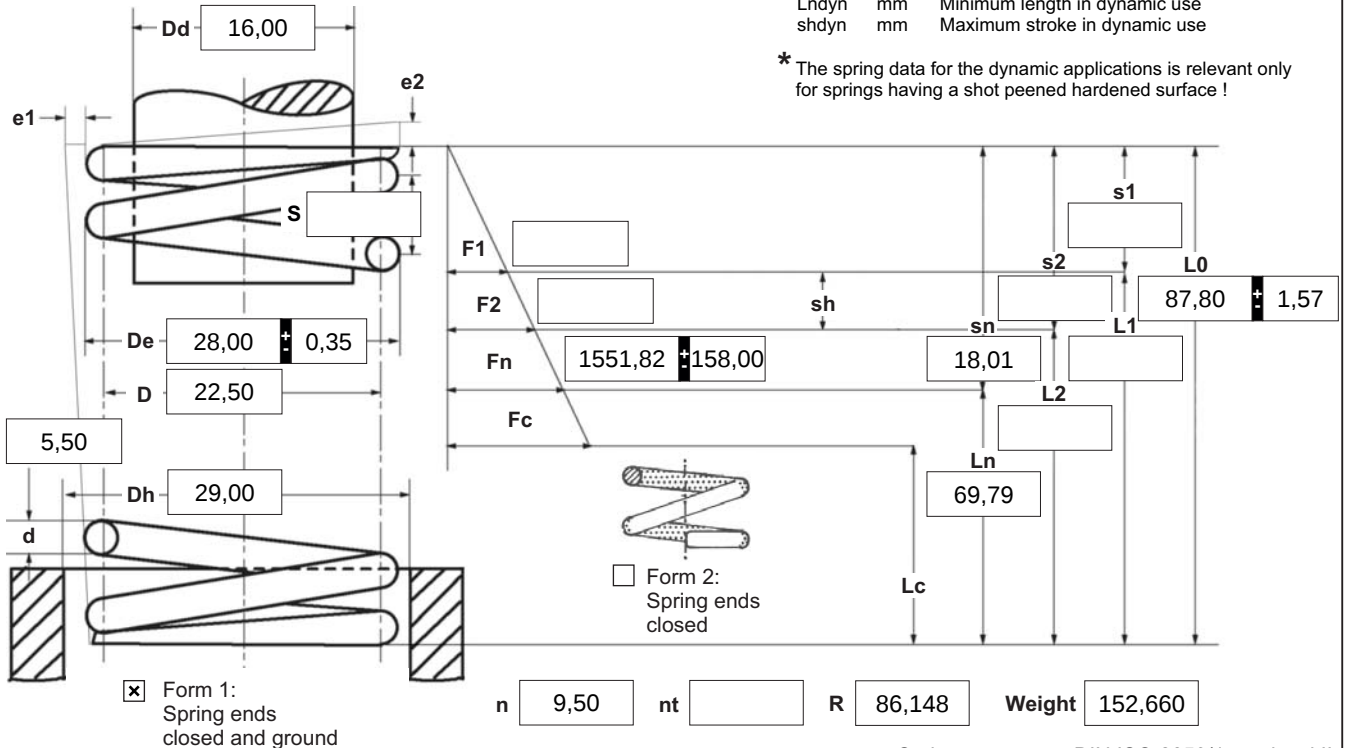
d mm Wire diameter
D mm Mean coil diameter
Dd mm Diameter of mandrel
De mm Outer coil diameter
Dh mm Diameter of bush
e1 mm Perm.dev. perpendicular line
e2 mm Perm.dev. parallel line
F1 N Prestressed spring force
F2 N Loaded spring force

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 1269,83
Fndtol 154,00
Lndyn 73,06
shdyn 9,56

3 Excursion sh

mm

4 Stress cyc. end. N

5 Stress cycle frequ. n

/

6 Application temp.

°C

Remarks

Zem pvodu: DE | číslo celního sazebníku: 73202081

7 Guidance and seat to DIN EN 13906-1

☐ mandrel ☐ bush

Buckling length L_k at

$v=0,5$ / Bild 5 0,00 mm

8 Material

EN 10270-1

9 Wire or rod surface