Data sheet Compression spring : D-001

- 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
- Fnc N: Maximum force in static use
- Fcn N: Theoretic maximum force at \( Lc \)
- F1,F2 N: (+/-) tolerance of maximum dynamic force
- Fndyn N: Maximum force in dynamic force
- Fcdyn N: Maximum force in dynamic use
- Fndtol N: (+/-) tolerance of maximum dynamic force
- 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.: Aktive coils
- n, d: Total coils
- n, De, Di: Active coils
- L0, n, d: Total coils
- X: Tolerances to DIN EN 15800
- x: Production compensation through
- d: Wire diameter to DIN 2076
- D-001
- EN 10270-1
- EN 10270-1
- EN 13906-1
- X: Production compensation through

### Form 1:
- Spring ends closed and ground

### Form 2:
- Spring ends closed

### Coiling direction
- Left
- Right

### Dynamic load *
- Fndyn 0,43
- Fndtol 0,10
- Lndyn 2,97
- shdyn 4,53

### Excursion sh
- mm

### Stress cyc. end. N

### Stress cycle frequ. n

### Application temp. °C

### Guidance and seat to DIN EN 13906-1
- mandrel
- bush

### Buckling length \( Lk \) at
- \( v=0,5\ ) / Bild 5
- \( 0,00 \) mm

### Material
- EN 10270-1

### Wire or rod surface
- drawn
- rolled
- metal-cut

### Springs deburred
- inside
- outside

### Surface treatment
- shot peened

### Production compensation
- A spring resistance and associated length of tensed spring
- A spring resistance, associated length of tensed spring and \( L0 \)
- Two spring resistances and associated lengths of tensed spring

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

### Remarks

### Prices

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<th>Quantity scale</th>
<th>Single price [EUR]</th>
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</tbody>
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