BAL SEAL® ENGINEERING, INC.

Simply a Better Solution

PN-259

Bal Springs™ Designs

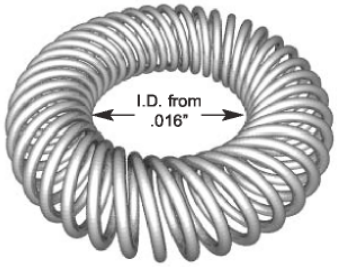
Bal Springs™ are characterized by canted coils, which exhibit a unique deflection and force behavior upon compression. Each angled coil produces a radial or axial force for uniform loading around the entire spring perimeter. Each coil acts independently, and remains in contact with the mating surface for excellent conductivity in electrical applications and compensates for large mating tolerances, alignment, and surface irregularities.

FEATURES

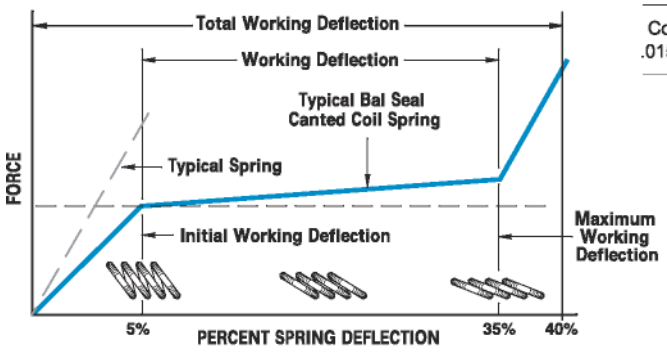
- Unique canted coil design
- Multiple points of contact
- Easy installation and assembly
- Available in a variety of diameters, cross-sections, lengths, materials and surface treatments.

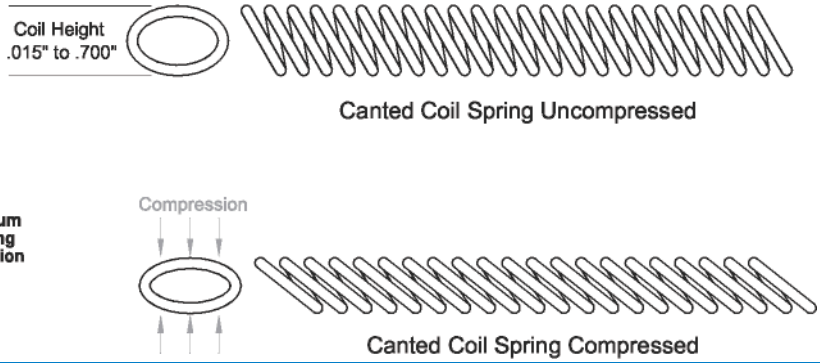
BENEFITS

- Uniform loading and wider mating tolerances
- Minimal electrical contact resistance
- Reduced assembly time
- Accommodates a wide-range of mechanical and/or electrical system design requirements.



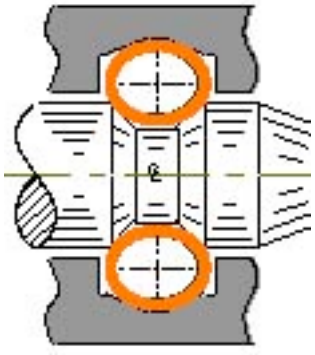
Canted-coil Spring Compression



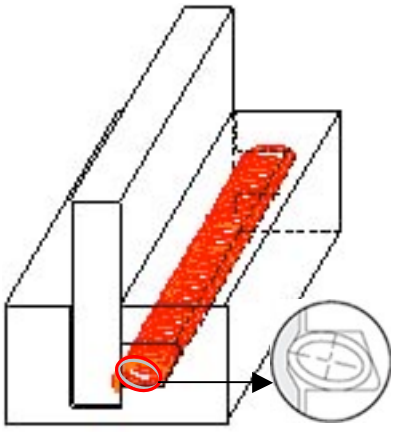


Typical Functions

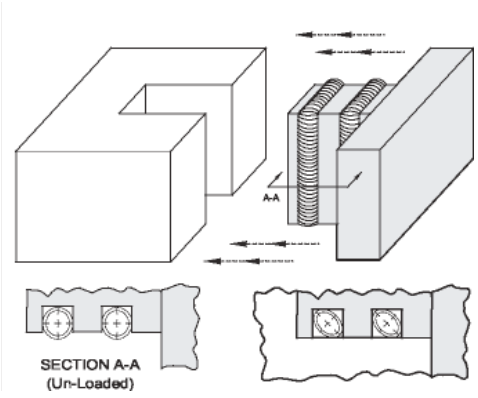
Mechanical Retention



EMI Grounding



Electrical Conductivity



PATENTS: The items described in this page include products that are the subject of issued United States and foreign patents or products where patents are pending, including the following: Patents 6,641,141 B2; 7,210,398 B2; 6,161,838; 5,992,856; 5,134,244

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