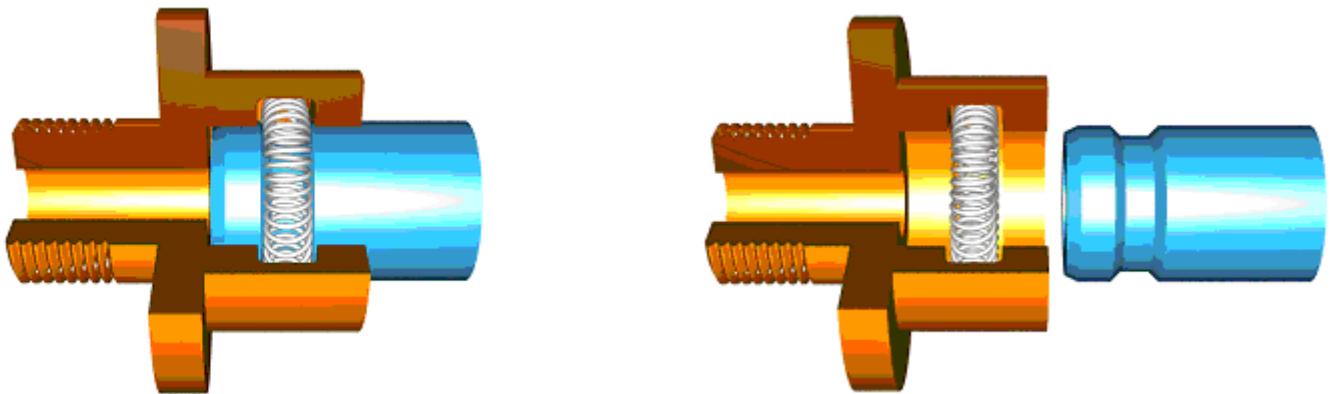


## Bal Spring<sup>®</sup> Canted Coil Springs for Electromechanical Applications

Bal Spring<sup>®</sup> canted coil springs provide excellent electrical and mechanical performance. The ability to design small coil sizes and employ a high number of coils make the springs ideal for electrical connector designs. The Bal Spring<sup>®</sup> provides near-constant spring contact force over a wide range of working deflection, and compensates for large mating tolerances and surface irregularities.

The spring is highly resistant to compression set and provides long life and excellent service in shock, vibration, and harsh environments. In addition, the spring's ability to deflect and produce a radial load makes them well suited for latching and holding applications.



### OPERATING PARAMETERS

Continuous current:	Up to 150 A
Connect force:	10 N; (2.25 lbs);(1019 g)
Plug diameters:	25 mm (0.98 in)
Spring Selection:	100 MB
Spring Material:	Silver-plated copper alloy

### FEATURES

- Spring design provides simple latching and holding capability
- Canted coil spring permits relatively large tolerances on mating parts for low production costs
- Unique configuration enables spring to fit small packaging requirements for compact designs
- Controlled insertion and removal force makes assembly and installation easy
- Simplifies connector design
- Multiple point contacts ensure high current-carrying capability
- High resistance to compression set provides long life

Our products are custom-engineered to improve the performance and reliability of your designs. For more information about this and other sealing, connecting, conducting and EMIRFI shielding solutions, please contact us, or visit us at [www.balseal.com](http://www.balseal.com).

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