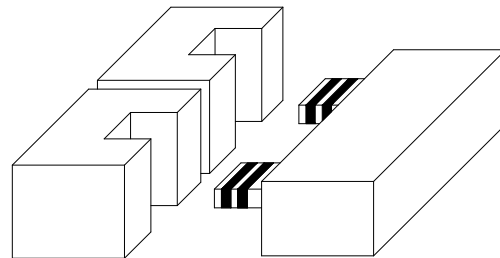
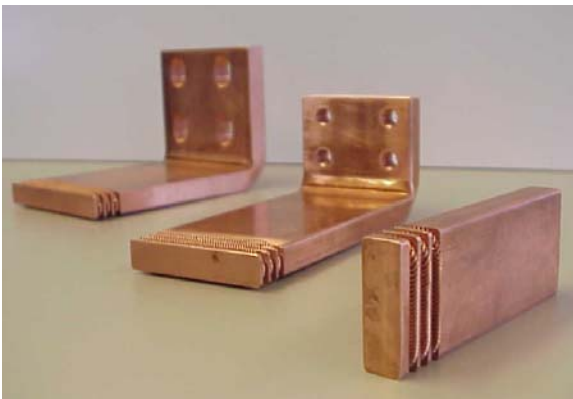


BAL CONTACT™ SPRINGS FOR HIGH-POWER SYSTEMS

A significant advantage of Bal Contact™ springs is their flexibility to conform to any shape, depending on the customer's requirements. Bal Contact™ springs can be supplied in welded rings or cut-lengths. The patented canted-coil spring has near-constant spring contact force over a wide range of working deflection and compensates for large mating tolerances and surface irregularities.

In addition, Bal Contact™ springs are ideal for high current applications because of their multiple-point contacts and the availability of highly conductive materials. Many customers choose Bal Contact™ springs for easy assembly, minimal space requirements and excellent electrical performance.

Rectangular Connectors



Operating Parameters

| | |
|---------------------|---------------------------|
| Current: | 400, 900, 1,400, 1,800 A |
| Current pulse: | 25kA (3 seconds) |
| Contact resistance: | $R < 0.1 \text{ m}\Omega$ |
| Cycles: | 5 |
| Connector heights: | 30, 60, and 80 mm |
| Mating Material: | E-copper |
| Spring Selection: | 105MB |
| Spring material: | Beryllium copper |

Features of Bal Contact™ Spring:

- Flexible design allows spring to conform to almost any configuration
- Controlled insertion and removal force makes assembly and installation easy
- Canted-coil design permits wide tolerances on mating parts for low production costs
- High resistance to compression set provides maintenance-free, long life cycle
- Use of minimal part count simplifies connector design; springs are self-retained in grooves
- Highly concentrated forces at numerous contact points provide excellent electrical performance

For more information and technical assistance, consult the Bal Seal Technical Sales Department.

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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