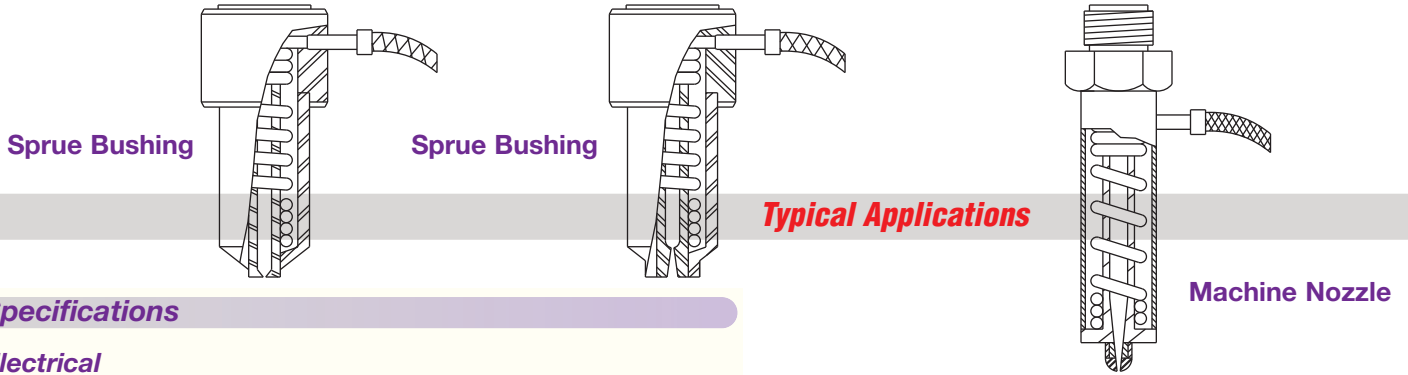


Mightyband™ Coil Heater Specifications



Specifications

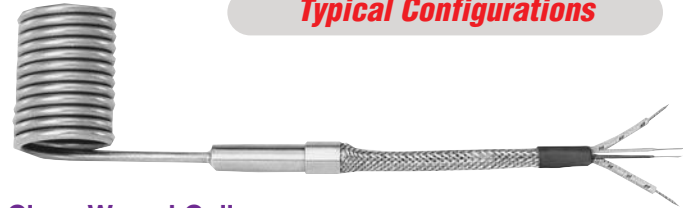
Electrical

- Resistance Tolerance: ±10%
 - Wattage Tolerance: ±10%
 - Maximum Amperage: 20 Amps
 - Standard Voltage: 120 or 240 Volts
- Higher or lower voltages applicable for specific heater designs; consult Tempco with your requirements.*

Dimensional

- Standard square cable: 0.125", 0.134" square
- Standard rectangular cable: 0.110" × 0.160"
- Standard round cable diameters: 0.115", 0.120", 0.125"
0.132", 0.153", 0.163"
Others available upon request.
- Cable diameter tolerance: ±0.005
- Standard potting adapter: 5/16" Diameter
Used with heater only and heater with T/C leads, 20 gauge and under.
- 1/2" Diameter
Used with heater only and heater with T/C leads, 18 gauge to 10 gauge.
- Standard potting adapter length: 1-1/2"
Other lengths available.
- Standard coil I.D.: From 3/8" up to 2-1/2" in any increments.
Applicable Coil I.D. is subject to cable diameter.
- Coil I.D. Tolerance: 3/8" to 3/4", +0.000", -0.020"
..... 7/8" to 1-1/4", +0.000", -0.030"
..... 1-1/2" to 2-1/2", +0.000", -0.060"
- Coil Width (length): Up to 12" on 3/8" to 3/4" I.D.
..... Up to 16" on 7/8" to 1-1/4" I.D.
..... Up to 18" on 1-1/2" to 2-1/2"
- Coil Width Tolerance: 0 to 6": +0, -1/8"
..... 6 to 12": +1/8", -1/4"
..... 12 to 18": ±1/4"
- Standard Sheath Material: 304 stainless steel
For temperatures up to 1500°F (815°C)
- Optional Sheath Material: Inconel® 600
For temperatures up to 1800°F (982°C)
- Standard Thermocouple: ANSI Type J
- Optional Thermocouple: ANSI Type K
- Minimum Bending Radius: Two times the sheath diameter

Typical Configurations



Close Wound Coil



Distributed Wattage

By specifically arranging a coiling pattern on the heater cable, heat distribution can be concentrated where it is needed. Useful to compensate for heat losses along the edges of the part being heated. Specify concentration.



Clamping Straps

Mightybands normally do not require clamping straps as the inside diameter of the coil is wound undersize for a screw fit. At times because of differences in the expansion and contraction in materials a clamping strap may be required to ensure circumferential clamping forces. Clamping straps also provide additional protection of the heater coils from accidental damage. If optional clamping strap is required, specify.