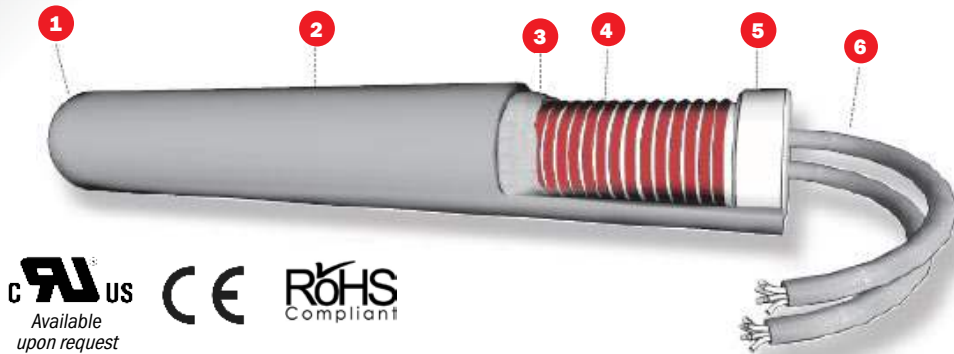


SWAGED CARTRIDGE HEATERS

Product Highlights:

Swaging is a compression process that dramatically increases watt density and heat output. Additionally, swaging protects the heater against damage from vibration and impact. BriskHeat cartridge heaters are engineered to exceed the performance and durability standards of other cartridge heaters. They are suitable for applications up to 1,600°F (871°C) and can have watt densities as high as 300 W/in². Custom designs are available.



UL US
Available
upon request

CE

RoHS
Compliant

- 1** TIG-Welded End Disc – To prevent contamination and moisture absorption.
- 2** 304 Stainless-Steel Sheath – For oxidation resistance in a wide variety of environments.
- 3** High-Purity Magnesium Oxide Fill – For maximum dielectric strength and thermal conductivity. Highly compacted for maximum heat transfer.
- 4** Nickel-Chromium Resistance Wire – For maximum heater life, and evenly wound for even heat distribution.
- 5** High-Impact Ceramic Cap – Retards contamination and is suitable for high vibration applications. Deep holes in cap prevent fraying of leads when bent.
- 6** High-Temperature 10 in (254 mm) long lead wires – Max exposure up to 1,022°F (550°C).

| Nominal Diameter | Minimum Diameter in (mm) | Maximum Diameter in (mm) | Std. Lead Wire Gauge | Max Amps w/Std. Leads | Max Lead Wire Gauge | Maximum Amps | Maximum Volts |
|------------------|--------------------------|--------------------------|----------------------|-----------------------|---------------------|--------------|---------------|
| 1/8 in | 0.119 (3.02) | 0.124 (3.05) | 24 | 3.6 | 24 | 3.6 | 240 |
| 1/4 in | 0.244 (6.20) | 0.249 (6.32) | 24 | 6 | 22 | 9 | 300 |
| 6.5 mm | 0.25 (6.35) | 0.255 (6.48) | 24 | 6 | 22 | 9 | 300 |
| 5/16 in | 0.306 (7.77) | 0.311 (7.90) | 24 | 6 | 22 | 9 | 300 |
| 8 mm | 0.309 (7.85) | 0.314 (7.98) | 24 | 6 | 22 | 9 | 300 |
| 3/8 in | 0.369 (9.37) | 0.374 (9.50) | 22 | 9 | 18 | 15 | 480 |
| 10 mm | 0.388 (9.86) | 0.393 (9.98) | 22 | 9 | 18 | 15 | 480 |
| 12 mm | 0.466 (11.84) | 0.471 (11.96) | 22 | 9 | 18 | 15 | 480 |
| 12.5 mm | 0.486 (12.34) | 0.491 (12.47) | 22 | 9 | 18 | 15 | 480 |
| 1/2 in | 0.494 (12.55) | 0.499 (12.67) | 22 | 9 | 18 | 15 | 480 |
| 13 mm | 0.506 (12.85) | 0.511 (12.98) | 22 | 9 | 18 | 15 | 480 |
| 17/32 in | 0.525 (13.34) | 0.53 (13.46) | 22 | 9 | 18 | 15 | 480 |
| 14 mm | 0.545 (13.84) | 0.55 (13.97) | 18 | 15 | 14 | 26 | 480 |
| 5/8 in | 0.619 (15.72) | 0.624 (15.85) | 18 | 15 | 14 | 26 | 480 |
| 16 mm | 0.624 (15.85) | 0.629 (15.98) | 18 | 15 | 14 | 26 | 480 |
| 17 mm | 0.663 (16.84) | 0.668 (16.97) | 18 | 15 | 14 | 26 | 480 |
| 11/16 in | 0.682 (17.32) | 0.687 (17.45) | 18 | 15 | 14 | 26 | 480 |
| 19 mm | 0.742 (18.85) | 0.747 (18.97) | 18 | 15 | 14 | 26 | 480 |
| 3/4 in | 0.744 (18.90) | 0.749 (19.02) | 18 | 15 | 14 | 26 | 480 |
| 25 mm | 0.978 (24.84) | 0.983 (24.97) | 18 | 15 | 14 | 26 | 480 |
| 1 in | 0.994 (25.25) | 0.999 (25.37) | 18 | 15 | 14 | 26 | 480 |