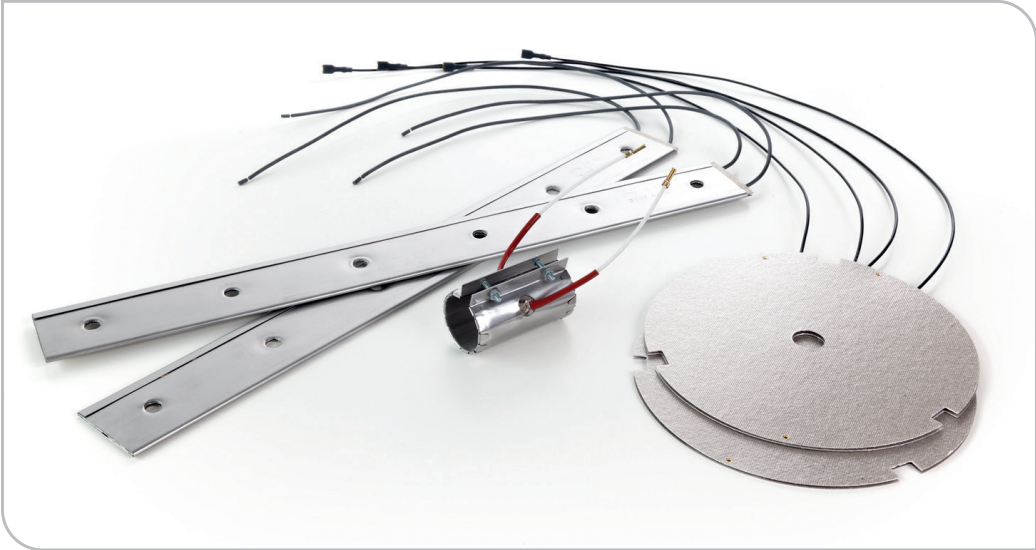


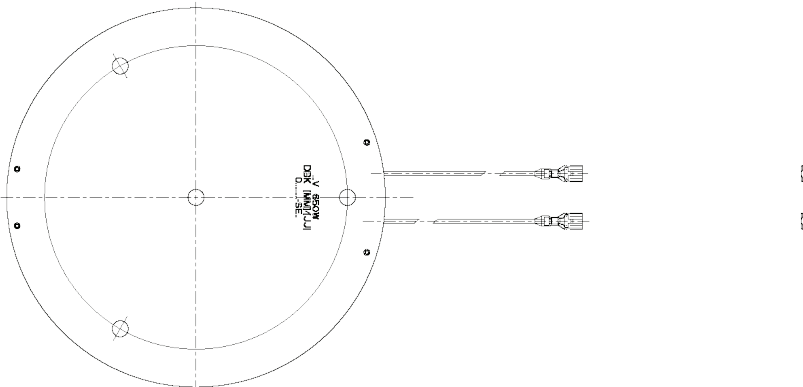
Micanite Heating Elements



Micanite heating elements are electrical contact heaters and consist of a Micanite winding part and a heating conductor. For electrical insulation, the winding part is fixed between two Micanite plates and covered with a steel sheet for additional mechanical protection. Micanite is a material with high temperature stability for electrical insulation. Micanite heating elements are available in various shapes depending on the application and are usually pressed against the body from the outside or fastened via the existing fixing holes. They can be designed as flat or tubular heating elements. We recommend thermal insulation towards the non-heated side of the heater.

Features

- Defined heat output due to resistance wire technology
- Power according to customer specification
- Operating voltage up to 500 V
- Operating temperature up to 350 °C
- Surface load up to 4 W/cm²
- Even heat distribution over entire contact surface
- Heat dissipation mainly via contact
- Custom dimensions possible (round, rectangular, tubular, custom shapes)
- Protection class: IP 20 without steel sheathing, IP 40 with steel sheathing
- Sheathing material: stainless-steel sheet 1.4301 (0.3 mm), stainless-steel sheet 1.4301 (0.5 mm), steel sheet electrolytically galvanized (0.5 mm), aluminum sheet (0.6 mm)
- Electrical connection: Lead wires (length as desired) or blade terminal



Application examples

- Tools and molds
- Machinery and equipment
- Laboratory and medical equipment
- Liquid containers

DBK's knowledge of thermal management gives us the experience to guide and support you with your technical challenges - we can manage the complete project from concept to full production release.