AXIAL CLAMP COIL HEATERS

SPECIFICATIONS

- **Resistance Tolerance:** ±2%
- **Wattage Tolerance:** ±2%
- **Voltage:** Standard voltages are 120 and 240VAC; other voltages can be designed
- **Coil Heater Diameter:** 0.055″, ±0.002″
- **Thermocouple:** Type J, 0.055″ dia., ±0.002″
- **Inner Diameter:** ±0.002″
- **Width/Length:** ±0.020″
- **Axial Clamp Hex:** Tempered 416 series SS
- **Hex size:** 1/8″
- **Rotation:** 150 degrees
- **Clamp Screw:** (2) 6-32 × 1/2″, SS
- **Hex size:** 7/64″
- **Heater Leads:** 18 ga. silver coated copper Teflon® insulation, 200°C/392°F, Staggered 5″ and 7″
- **Thermocouple Leads:** Fiberglass insulation, 1000°F

INFORMATION / APPLICATION

The Axial Clamp Coil Heater features a clamping mechanism that significantly enhances the traditional cam-operated clamps. The axial clamp allows for quick and easy adjustment by rotating the cam shaft parallel to the nozzle axis, making it ideal for installation in tight or hard-to-reach spaces. This design improves both responsiveness and heat profile. Axial clamp mini coil heaters are particularly effective for high cavitation applications such as pre-forms, caps, closures, and razors. They provide excellent heat transfer and durability by positively locking onto the nozzle. Adjustments are easily made with a single front-facing allen screw, simplifying both tightening and removal. The flat mini coils in direct contact with the nozzle can be wound with more coils near the edge, further enhancing responsiveness and heat profile. The Axial Clamp OEM Replacement heater maximizes heat transfer with its positive clamping mechanism and low-profile design, making it suitable for congested mold environments. The front-accessible allen screw facilitates straightforward tightening and maintenance.