



BAND HEATERS | CARTRIDGE HEATERS | HEATERS FOR HOT RUNNER SYSTEMS | ENERGY SAVING JACKETS

Ceramic Band Heaters

FEATURES

- AL Steel / SS Sheathing
- Designed with Uniform heat profile for Higher Temperature up to 500°C.
- Improved Heating Efficiency upto 55 Watts / sq inch
- Efficient Heat Transfer even on irregular surfaces in comparison to Mica Band
- Robust Terminal Junction with Specially Designed Protection Cap.
- Non-Corrosive Sheathing withstanding high temperature upto 700°C.
- Choice of Terminations & Clamping
- Engineered for Longer life with Superior quality steatite insulators & Resistance wire for Max. Amp capacity.
- Serrated Edges for Easy installation and removal.

TECHNICAL DATA

- Surface Loading: 35-55W / Sqin, Voltage Range: 110V - 440V
- Min Diameters: Eco Heat : 60mm, Energy saver : 75 mm
- Min Width: Eco Heat : 35mm, Energy saver : 75mm

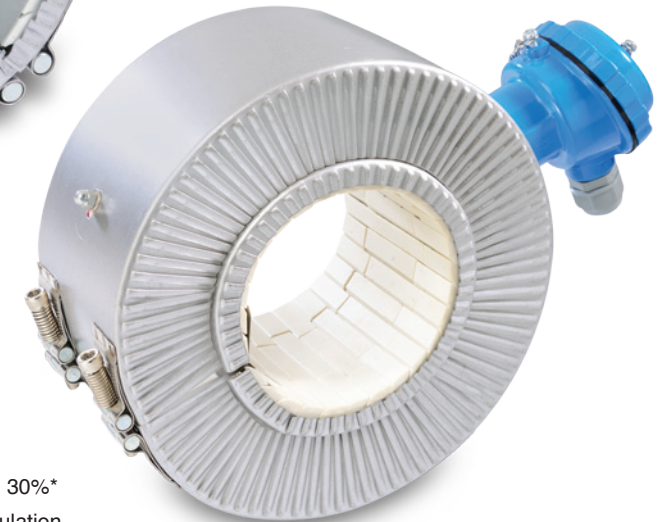


Two Models To Choose From

Style
1

Eco-Heat

- Built in Thermal Insulation
- Barrel Nut Clamping 180 Deg opp Terminal.
- Choice of Two Piece Construction
- Choice of SS Sheathing.



Style
2

Energy Saver

- Conserves Energy up-to 30%*
 - Built in Twin Thermal Insulation
 - Reduces initial preheating time & Maintains uniform temperature for a longer duration
 - Minimizes Heat Dissipation & Lowers external sheath temperature upto 70%
 - Reduces energy consumption by delaying ON/OFF cycle time thereby reduces energy bills.
 - Provides better working atmosphere.
 - Faster Returns on Investments (ROI) in comparison to ordinary Band Heaters.
- *Energy Conservation is subject to Heater model / applications / Process & local conditions at site.

APPLICATIONS

Injection Moulding | Blow Moulding | Film Extruders | Pipe Extruders | Laboratory Equipment



Mica Heaters (Band | Nozzle)

FEATURES

- AL Steel / SS Sheathing
- Engineered for Uniform Temperature & Maximum Amperage carrying capacity
- Robust Terminal Junction with specially designed Chrome Nickel Steel protection cap to protect exposed terminals
- Special High Grade Mica insulation for Superior Thermal Conductivity
- Available in Various Lead Terminations & Clampings
- Conserves Energy with improved Heating Efficiency Up to 30 Watts per square inch
- Designed for Temperatures up to 300°C
- Glass Fibre insulated Metal Braided Terminal Cable
- Barrel Nut type clamping with Terminal Protection Box
- Expandable to fit around the Barral O.D. Easy installation & removal

TECHNICAL DATA

- Surface Loading: Upto 30W / in²
- Voltage Range: 110V - 440V Single Phase & Two Phase
- Min. Inside Diameter: 25 mm
- Min. Width: 25 mm without mounting / thermocouple holes
35mm with mounting / thermocouple holes

Models To Choose From



Style
1

Eco-Heat

- Choice of Aluminized Steel Sheathing / SS
- Choice of Screw Post terminal with Ceramic or Steel protection cap

Style
2

Power Saver

- Option of SS / Brass Inner Sleeve
- Energy saving insulated SS cover
- Also available in Two Piece Construction



Style
3

Mica Nozzle Heater with Steel Protection Cap

Style
4

Mica Nozzle Heater with Side Exit Terminal



APPLICATIONS

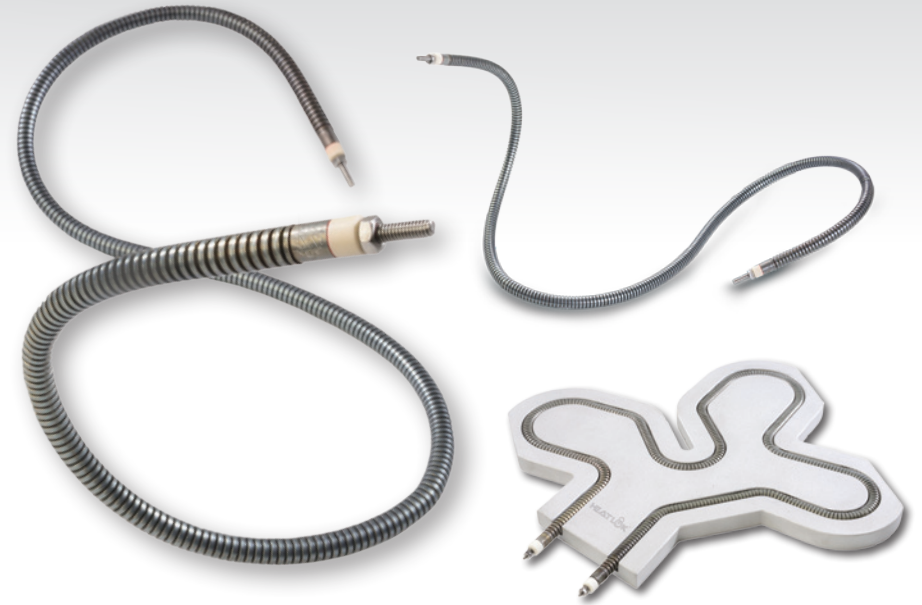
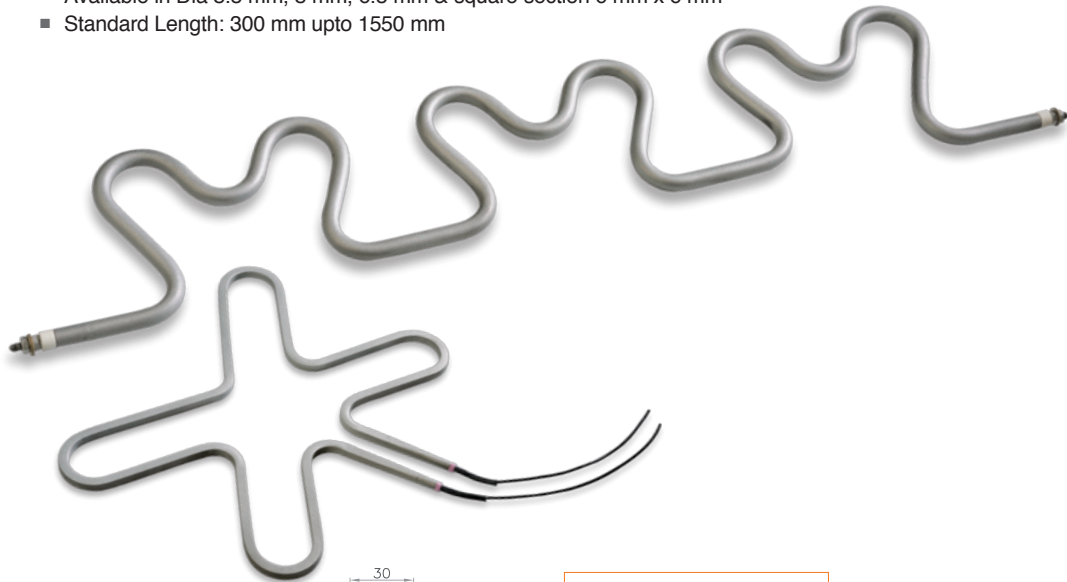
Injection Moulding | Film Extruders | Pipe Extruders | Blow Moulding |
Plastic & Rubber Processing Machinery | Laboratory Equipment

Formed Tubular Heaters for Manifolds

For manufacturing formed elements it is necessary to have an accurate dimensional sketch showing all the centre distances, radius and degrees.

FEATURES

- Available in Chrome Nickel Steel
- Sealed Edges to prevent from Moisture
- Superior Grade Magnesium Oxide Insulation
- Swaged for Good Electrical Insulation & Heat Transfer
- Available in Dia 8.5 mm, 8 mm, 6.5 mm & square section 6 mm x 6 mm
- Standard Length: 300 mm upto 1550 mm



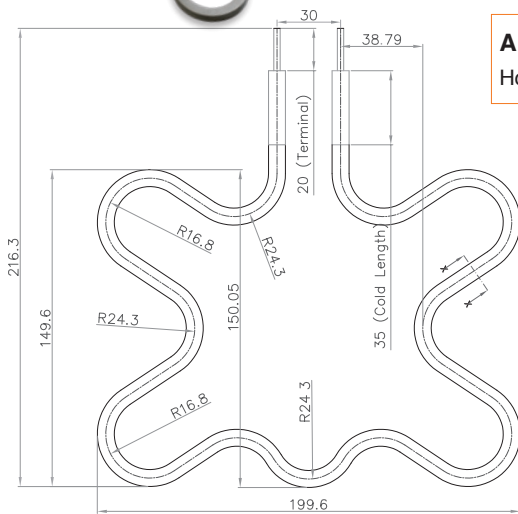
Flexible Tubular Heater for Hot Runner Manifolds

FEATURES

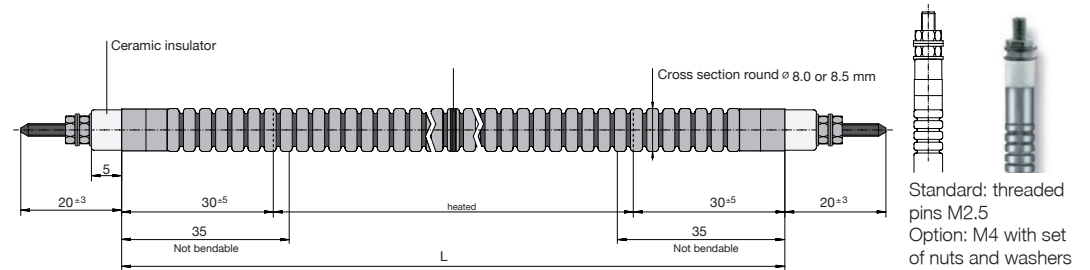
- Available Dia 8.00 & 8.50 mm
- Standard Length available 400 mm upto 1550 mm (Tolerance $\pm 1.5\%$)
- Effortless forming for Easy installation
- Maximum sheath contact (upto 75%)
- Rapid heat transfer and distribution
- Minimal temp. variance between heater sheath & manifold
- Reduced energy costs
- Smaller bending radius
- Groove Dimensions -
For 8 mm: 7.80 (± 0.05) mm x 8.00 (± 0.10) mm, For 8.5 mm: 8.30 (± 0.05) mm x 8.50 (± 0.10) mm

APPLICATIONS

Hot Runner Manifolds



1. Heater dia=8.0 mm
2. Heater Hot Length=830 mm
3. Total Heater Length=900 mm
4. Wattage=High Wattage
5. Voltage=230V



Standard: threaded pins M2.5
Option: M4 with set of nuts and washers

Coil Heaters

FEATURES

- Sheath material: SS
- Standard sizes available with various cross section
- Various Watt Density option available
- Designed for even heat profile
- Precision fit on Hot Runner Nozzles
- Highly Non-corrosive

TECHNICAL DATA

- Sheath Temperature: 750°C Max
- Voltage Range: 24 to 250 volts
- Connection Wires: Stranded Nickel wires with PTFE coating
- Available Diameters (in mm):
 - Round: 2.9, 3.3, 3.8
 - Square: 3 x 3, 3.3 x 3.3
 - ▭ Flat: 1.8 x 3.2, 2.5 x 4.3, 4 x 6.4
- Tolerance on all dimensions ± 0.1mm



READY STOCK COIL HEATERS WITH J TYPE THERMOCOUPLE

Available Ex Stock. Dispatched within 48 hours (for standard lengths only).

Caution: Once a heater is bent or coiled it is not advised to de-coil or re-bend the same.

APPLICATIONS

Hot Runner Nozzles & Bushings | Tube Extrusion | Pipe Forming



Micro Tubular Coil Heaters

FEATURES

- Sheath material: SS
- Two standard tube diameters, 1.50 mm and 1.80mm (0.059" & 0.07")
- Faster Heat Transfer with flat cross section tube (1.30mm x 2.30mm)
- Staggered cold leads
- Robust Construction

TECHNICAL DATA

- Sheath Temperature: 750°C Max
- Voltage Range: Maximum 250 volts, standard 230 volts
- Lead Wires: Teflon insulated

Micro Tubular Nozzle Heater

- Available Diameters:
 - 19.1 mm x 30 mm, 265 W
 - 19.1 mm x 30 mm, 149 W

APPLICATIONS

PET Preform Moulds | Hot Runner Nozzles & Bushings | Thin Walled Container Moulds

High Performance Heaters for Machine Nozzles

FEATURES

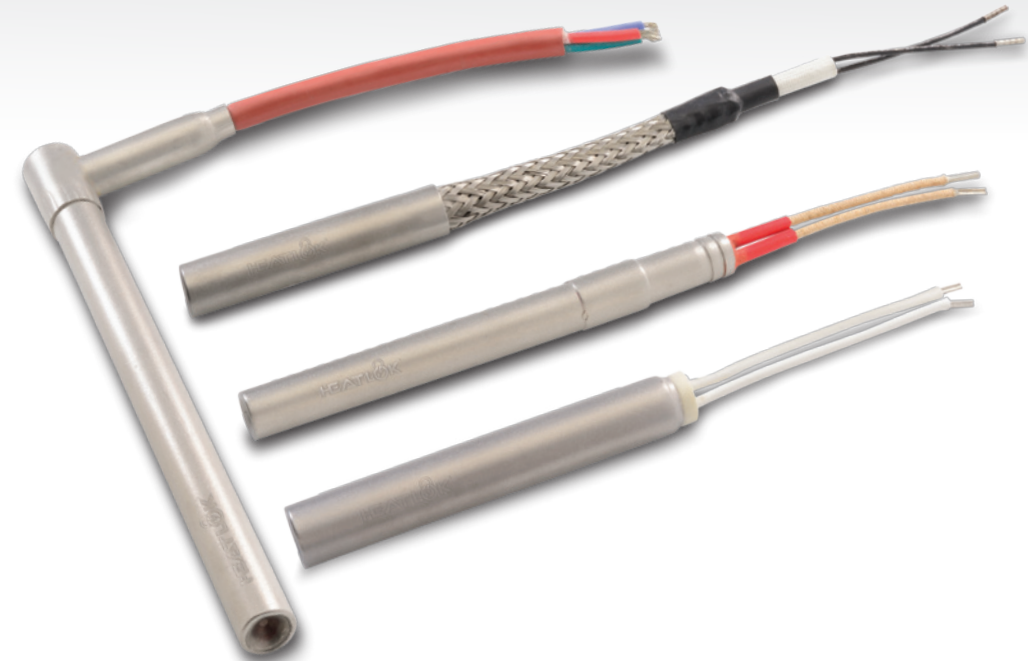
- Standard sizes available with various cross section
- Robust Design
- Available in custom sizes
- Various Watt Density option available
- Designed for even heat profile
- Precision fit on Machine Nozzles
- Highly Non-corrosive
- Good for processing engineering plastics
- Highly Return on Investment

APPLICATIONS

Extended Machine Nozzles | Injection & Blow Moulding

TECHNICAL DATA

- Sheath material: SS
- Voltage Range: 24V - 250V
- Sheath Temperature: upto 400°C
- Good for processing engineering plastics
- Available Diameters: 25 mm to 38 mm
- Available Width : 25 mm to 75 mm with & without in-built thermocouple 'J' type



- Quick ramp up of temperature due to higher watt density
- Negligible effect of material spillage
- Efficient even heat transfer with inner Brass Collet
- Accurate Temperature Control at the nozzle tip
- Higher operating temperature (400°C max) compared to conventional Mica Band Heaters (250°C max)

THE HEATLOK ADVANTAGE

High Watt Cartridge Heaters

TECHNICAL DATA

- Sheath material: SS
- Surface Loading: upto 150 watts / in²
- Voltage Range: 12 to 440 volts
- Leakage Current: < 0.5 mA
- Available Diameters:
Min Dia: 1/4" & 6 mm, Max Dia: 1" & 20 mm
- Available Lengths:
Min length: 1 1/2" & 40 mm, Max length: 40" & 1000 mm

APPLICATIONS

Packaging Industry | Hot Runner Bushings | Marking & Sealing Machinery | Medical & Laboratory Apparatus | Shoe Making Industry | Die and platens

Energy Saving Insulated Jackets



FEATURES

- Conserves Energy upto 30%* & Lowers Energy Bills.
- Reduces Heat Loss upto 80%* on Barrels & Extruders.
- Lowers Ambient Temperatures.
- Non - Flammable Reusable Covers.
- Multilayer Design to withstand High Temperatures.
- Low Thermal Conductivity.
- Corrosion Resistant & 100% Asbestos Free.
- Custom made for Easy Maintenance & Installation
- High Returns Low Investment.



DESIGN COMPONENTS

High Temperature Coated Outer Layer

Robust High Temperature Velcro Straps

Heavy Duty Locking Clip



(inside) High Temperature Fiberglass cloth

(inside) High Density Insulation

HIGH RETURNS LOW INVESTMENT

ROI is 8 to 15 months for Injection Moulding (*Subject to Machine Tonnage & Insulation)

ROI 6 to 24 months for Blown Film Extruders (*Subject to Die Size & Insulation)

Also available with Aerogel Insulation



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Our Global Reach



More than 30 years of expertise