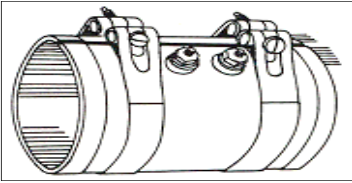
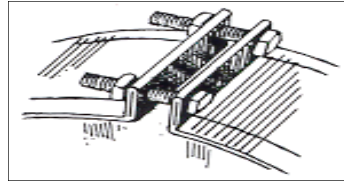


OPTION 1



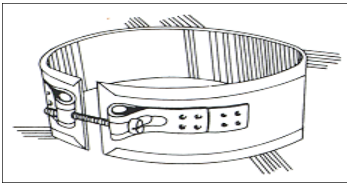
Barrel Nut Strap – Standard Heater Construction. High torque clamping straps provide superior heat transfer and greatest heater life; should be used whenever possible. Flexible strap locating allows for easier installation.

OPTION 2



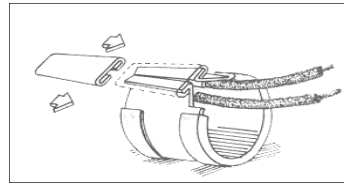
Clamping Tabs – Are available for applications where straps impede openings for instrumentation. However, high-torque clamping straps provide superior heat transfer and should be used whenever possible.

OPTION 3



Integral Straps — attached straps eliminate strap loss. Especially helpful on large, 2 piece bands, where installation of heater and separate strap may be awkward. Stainless steel outer sheath provides low expansion clamping pressure across the entire heater surface.

OPTION 4

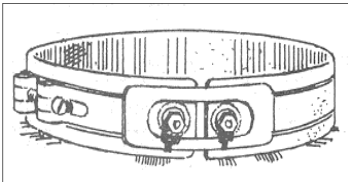


Wedge Lock — provides low profile clamping where space is limited and can not be used. Available in Type 3 or 4 leads.



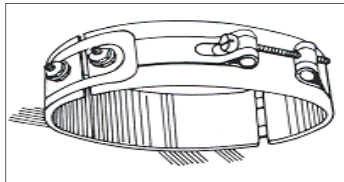
TEVAC DESIGN OPTIONS

ONE PIECE



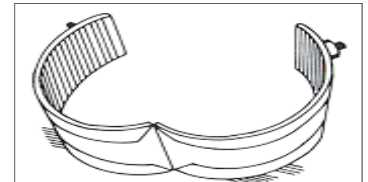
Standard Construction
The 1pc design allows for continuous windings of the resistance ribbon with minimal cold sections along the diameter of the band.

TWO PIECE



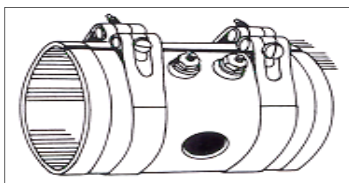
Two Piece Bands can be easily installed over a cylinder rather than slipped on from the end. Specify the line voltage and wattage per half. Available in all lead options.

E-EXPANDABLE



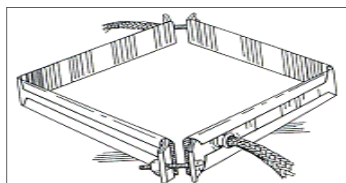
Expandable Bands are designed to be opened and closed for quick installation. They are shipped open and **should not be opened or closed more than twice.** Available in all lead options.

H-HOLE



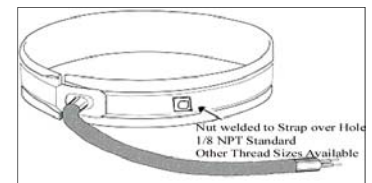
Holes, Cut-Outs & Notches
Provide clearance for T/C probes, bolts, etc. Specify hole locations in degrees from center of gap. For critical locations provide sample band or detailed drawing. Available in all lead options. In many cases an oversized gap can eliminate the need for special holes.

IR-IRREGULAR SHAPE



Hexagonal, Rectangular, Square, or Irregular Shaped Heaters - offered for special shaped dies and applications. 1 or 2pc construction is available.

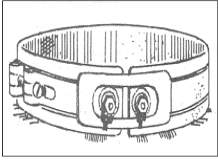
TMN-T/C MOUNTING NUT



T/C Mounting Brackets- available for attachment to the heater band strap to hold the T/C sensor in place. Specify location. 1/8 NPT thread size standard, other NPT sizes available.

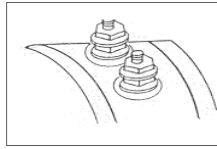
**MANY HEATERS
IN STOCK!**

TYPE 1



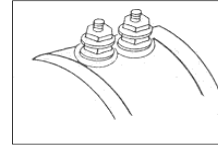
Post Terminals 1 on 1 with 10-32 threads are securely fastened to each end of the resistance winding with a unique posi-weld connection.

TYPE 2



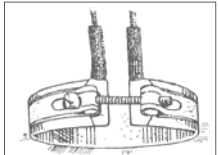
2 on 1 In Line Post Terminals are available on any construction or clamping variation. Recommended for narrow band heaters where post terminals are preferred and terminal box protection is required.

TYPE 2A



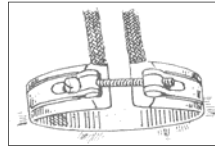
2 on 1 Side by Side Post Terminals are available on any construction or clamping variation. Standard on band heaters over 3" wide and for terminal box protection.

TYPE 3



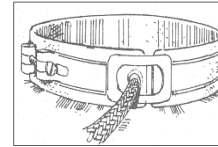
Dual Protective Fiberglass Sleeve Leads are the most common lead arrangement for nozzle heater application. High temperature flexible lead wire exits the unit through a protective fiberglass sleeve and the side adjacent to each end. The sheath encloses both ends to protect against molten plastics and other contaminants.

TYPE 4



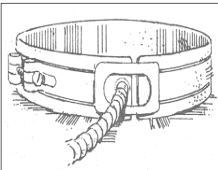
Dual Stainless Steel Braid is designed for additional protection against molten plastics and abrasion. High temperature flexible leads are individually covered with a stainless steel braid which exits the heater through the side similar to type 3.

TYPE 5



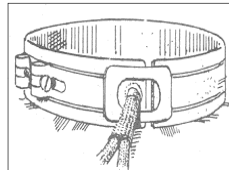
Single Stainless Steel Braid lead arrangement offers excellent abrasion resistance and provides for simple wiring installation. The high flexible leads exit together near the end of the band through a protective flange and a single SS Braid.

TYPE 6



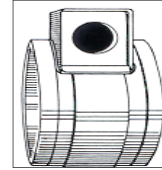
Stainless Steel Hose offers the greatest resistance to heat, moisture, and abrasion while remaining flexible. Locating leads exit near one end of the band.

TYPE 7



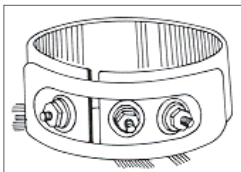
Protective Flange and a Single Fiberglass Sleeve is recommended for applications where abrasion resistance is not a factor. The leads exit the heater one end of the band.

TYPE 8



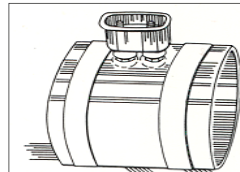
Terminal Boxes are used to protect exposed terminals. Knock outs and threaded holes are available for armor cable or conduit connections. Minimum band diameter is 3". Type 1 post terminals are under terminal box.

TYPE 10



Terminal Lead Construction is available to provide dual voltage, three phase, three zone operation, or act as a ground. Available in all lock-up options.

TYPE 11



European Plugs allow for quick disconnect and replacement of heaters on foreign manufactured machinery. The standard plug is 2 pin, 240 volt and 15 amps.

TEVAC'S SUGGESTIONS FOR LONG HEATER BAND LIFE

The cylinder to be heated should be clean and smooth for good heat transfer between the band and cylinder. Air gaps can cause "hot spots", resulting in shortened heater life. TEVAC'S Band Heaters when installed should be tightened, then tapped with a soft mallet to help "snug" the band to the cylinder. Tighten again after tapping. Once the heater has been operated for a short time, retighten the heater band after it has cooled. Check regularly to maintain a tight fit. One piece heaters should not be opened too wide to prevent internal damage. If a one piece can not be slid on, then a two-piece or expandable band is recommended. The ideal wattage calculation should allow the heater to operate with a minimal amount of on-off cycling. Proper temperature control and sensing can improve heater life considerably. TEVAC'S Band Heaters are designed to withstand considerable abuse and contamination.

However, care should be taken to protect lead connection and minimize contaminants that could cause the heater to carbonize and fail prematurely.

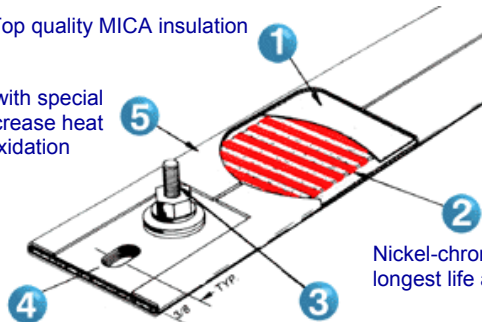
TO PLACE AN ORDER, PLEASE SPECIFY:

- QUANTITY
- INSIDE DIAMETER
- WIDTH
- VOLTAGE – on two piece bands, each piece to be rated at the operating voltage.
- WATTAGE – on two piece bands, specify total wattage.
 - BASIC CONSTRUCTION AND OPTIONS
 - PART # – if known or previously ordered.
- GAP – if other than factory determined minimum.
- LEAD LENGTH

**TEVAC
MICA STRIP HEATERS**

Top quality MICA insulation

Standard steel sheath with special surface treatment to increase heat transfer and to retard oxidation (stainless steel option.)



Nickel-chrome ribbon engineered for longest life at rated watts & volts

Post terminals - riveted for positive electrical connection to element

. 1/4 x 3/8 mounting hole

**Thin and Light
Fast Response to Temperature & Process Control**

Strip Heaters heat up quickly to provide prompt response to control input.

Strip Heaters can be made into various sizes, shapes and electrical rating with a variety of terminations available.

Strip Heaters can be made with holes, notches and cutouts to suit your individual needs.

TEVAC OPTIONS:

- A Flexible Hose installed over flexible leads.
- B Stainless Steel Braid installed over flexible leads.
- C Flexible leads - Teflon and Fiberglass
- D Strain Relief Bracket
- E Terminal Box
- F Flexible Hose in Right Angle Bracket
- G Thermocouple or Clearance Holes
- H Button Terminals
- I Appliance Pins
- J Twist lock plug installed on leads
- K Additional thickness - specify; standard thickness is 3/16"
- L Series with leads-specify option
- M Dual voltage, specify
- N Stainless Steel Sheath, designed for higher sheath temperatures
- O Grounding stud
- P Series with Post Terminals
- R Mounting slots 1/4" x 3/8", one at each end of strip
- S Mounting slots 1/4" x 3/8" specify location
- T No mounting slots

TO PLACE AN ORDER, PLEASE SPECIFY:

- 1) Width
- 2) Length
- 3) Voltage and Wattage
- 4) Termination Type
- 5) Lead Length and Type
- 6) Any Options



TEVAC MICA STRIP HEATERS WITH POST TERMINALS:

TYPE 1



Post terminals at each end of the heater with mounting slots. Available in 3/4" widths or wider.

TYPE 2



Post terminals at same end of heater with mounting slots. Tandem along the length. Available in 1" widths or wider.

TYPE 3



Post terminals at same end of heater with mounting slots. At right angle to length. Available in 2" widths or wider.

TYPE 4



Post terminals at same end of heater with mounting slots. Terminals set off center along the length. Available in 1-1/2" widths or wider.

TEVAC MICA STRIP HEATERS WITH LEADS:

TYPE 5



Flexible fiberglass leads exiting heater from same end with mounting slots. Available in 1" widths or wider.

TYPE 6



Flexible fiberglass lead exiting heater from each end with mounting slots. Available in 3/4" widths or wider.

TYPE 7



Metal braided flexible leads exiting heater from outside top surface with mounting slots. Available in 1" widths or wider.

TYPE 8



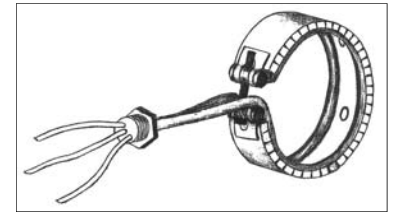
Flexible armor installed over fiberglass lead wire exiting heater from outside top surface with mounting slots. Available in 1" widths or wider.

TEVAC
TUBULAR BAND HEATERS
CUSTOM DESIGNS AVAILABLE

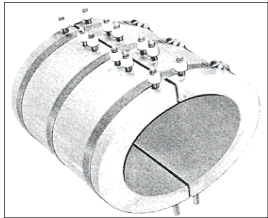
Tevac Part Number	I.D.	Width	Volts	Watts	4 Hole
TBH-3A1JB-Z	3	1-1/2	240V	450W	Yes
TBH-3A1JB-Z1	3	1-1/2	240V	600W	Yes
TBH-2A1AB-Z	2	1	240V	400W	No
TBH-5A2AB-Z	5	2	240V	1150W	No
TBH-5A2JB-Z	5	2-1/2	240V	1150W	No
TBH-2J1JB-Z	2-1/2	1-1/2	240V	500W	No
TBH-4N2EB-Z	4-3/4	2-1/4	240V	550W	No
TBH-4J1JB-Z	4-1/2	1-1/2	240V	600W	Yes

Hose with Female NPT Fitting
 (order separately)

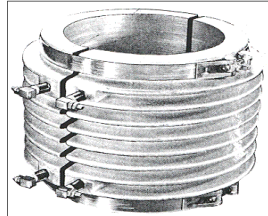
Tevac Part Number	Hose Length
TBH-24-hose	24"
TBH-36-hose	36"
TBH-48-hose	48"



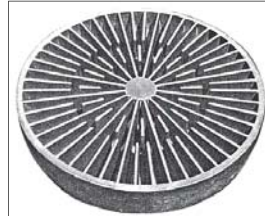
52" Leads with Ground Wire Standard
 Ultra Rugged Design
 Removable Flex Hose over Lead (order separately)
 Available with or without Holes
 Stainless Steel Sheath
 Incoloy Elements
 Nut Silver Soldered to Tubular Element
 Order Hose Separately to Save Money
 Available in 120V or 240V
 Contamination Proof
 4 Holes 90° apart



Cylindrical Heat & Heat/Cool
 For Extrusion Machines



Finned for Air Cool
 Extrusion Machines



Special for Your
 Heating Requirements

TEVAC
CAST HEATERS
ALUMINUM OR BRONZE

HOLES, CUTOUTS AND
 THERMOWELLS AVAILABLE.
 JUST SPECIFY SIZE AND LOCATION.

To place an order, please specify:

1 – **Cast Design.** Please supply a complete drawing which shows all dimensions and critical tolerances. **Also, include size and location of any holes, cutouts or thermowells.** Refer to reference dimensions and specifications below.

2 – **Exit locations** of heater element and cooling tube (if required)

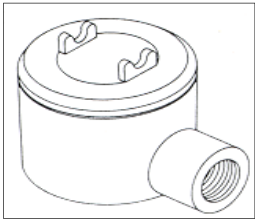
3 – **Electrical terminations and housings,** Type S is standard

4 – **Wattage and voltage ratings**

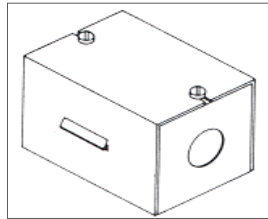
5 – **Aluminum or bronze**

6 – **Quantity**

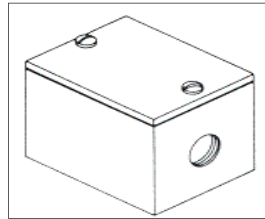
Protective Housing Options



Explosion Proof Box
H1

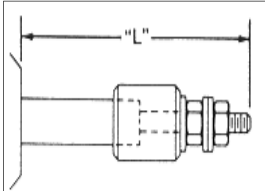


Sheet Metal Box
H2



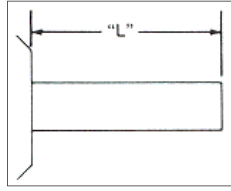
Cast In Box
H3

Electrical Termination

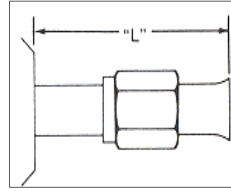


Type E1
 Ceramic Insulated
 10-32 Screw Terminal
 (Other Types Available)

Cooling Tube Terminations

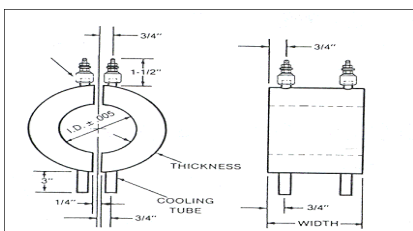


Type C1
 Plain Tube

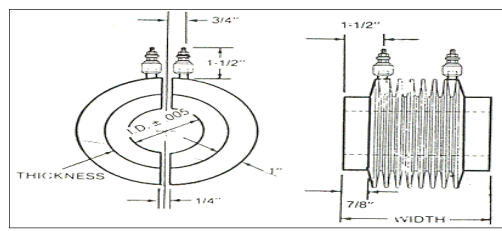


Type C2
 37 deg. Flare Nut Fitting
 (OTHER TYPES AVAILABLE)

Cylindrical Heat & Cool



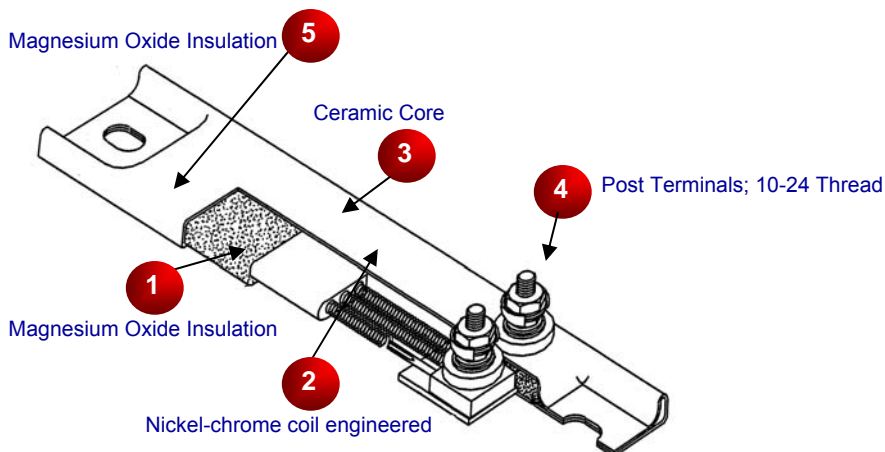
Cylindrical Heat with Fins



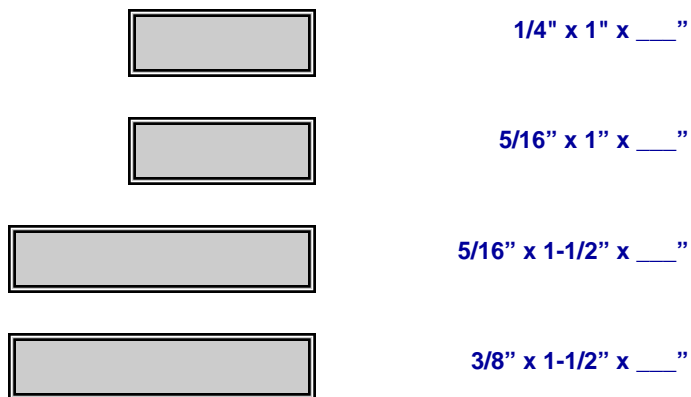
SUPERIOR QUALITY * QUICK DELIVERY * CALL FOR PRICE

TEVAC
CERAMIC STRIP HEATERS

Can be used at temperatures up to 1400°F.



AVAILABLE IN 4 SIZES:



Other Sizes are Available.
Contact Tevac with your requirements.

TO PLACE AN ORDER, PLEASE SPECIFY:

- 1) Width
- 2) Length
- 3) Voltage and Wattage
- 4) With or Without Mounting Tabs
- 5) 1" Width specify 1/4" or 5/16" Thickness
- 6) 1-1/2" Width specify 5/16" or 3/8" Thickness
- 7) Termination Type chose Style
- 8) Lead Length, Type and Location
- 9) Any Options



STANDARD APPLICATIONS:

- Dies • Molds •
- Thermoforming •
- Air Heating •
- Platens • Ovens •
- Sealing •
- Tank Heaters • Hot Plates •

SPECIFICATIONS:

ELEMENT - Nickel/Chrome Coil
 SHEATH - Stainless Steel (Heavy Gauge)
 THICKNESS - 1/4"-5/16"-3/8"
 TEMPERATURES - Up to 1400°F
 WATT DENSITY - Up to 45 Watts per square inch
 VOLTAGE - Up to 240 Volts - Consult **TEVAC** for higher voltage
 TERMINALS - Post Type-Standard 10-24 Thread
 LENGTH - Minimum 4" up to any practical length
 MOUNTING TABS - Available with or without tabs
 MOUNTING SLOTS - 5/16" X 1/2"

TEVAC OPTIONS:

- A LEADS — Off top surface or from end
- B LEADS — Braid or Hose
- C POST TERMINALS — 2 on 1 end; side by side or inline
- D POST TERMINALS — 1 on each end
- E Terminal Box
- F Ceramic Terminal Covers