

# Tubular Heaters



Tutco's versatile Tubular Heaters are custom-formed in a wide variety of shapes to correspond to your requirements.

Incoloy®, stainless steel or steel sheath materials are available, as well as a large selection of termination styles. Magnesium oxide (MgO) insulation ensures superior heat transfer, and the resistance wire is precision-wound for long heater life.

## Expedite Service Available

Our standard lead-time on this product is 15-20 business days; however, expedites may be available for a fee. When requesting a quote, please be sure to indicate any time-sensitive requirements.

([https://www.tutco.com/media/large\\_product\\_photos/tubular\\_heaters.jpg](https://www.tutco.com/media/large_product_photos/tubular_heaters.jpg))



GET A QUOTE

## Features & Benefits

- Custom-formed to meet specific requirements
- Incoloy®, stainless steel, steel or copper sheath materials available
- Precision wound resistance wire for long heater life
- Superior heat transfer
- Available in .315" and .430" diameters
- Variety of lengths available
- USA or global manufacture.

([https://www.tutco.com/media/product\\_diagrams/tubular\\_diagram.png](https://www.tutco.com/media/product_diagrams/tubular_diagram.png))



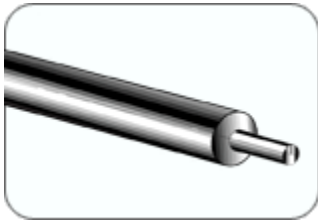
## — Additional Information

### Industries & Applications

### Termination Styles

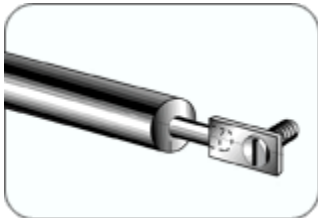
### Formations

Tubular heaters can be used in almost any application. Straight Tubulars can be clamped to metal surfaces or inserted in machined grooves for conductive heat transfer. Or use a formed Tubular to provide consistent heat in any type of special application.



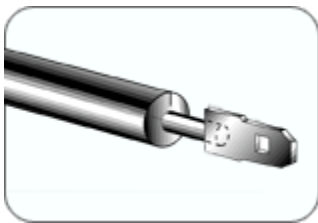
### Plain Pins

Customer can finish termination to suit their application. 5/16" (7.9 mm) pin length is standard.



### Flag Terminals

With #10-32 screw. Specify direction.



### Spade Terminals

Specify direction of spade terminals.



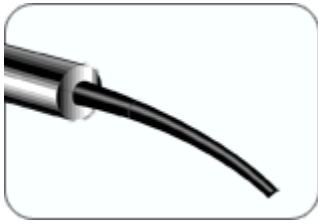
### Screw Terminal

Easy to wire screw terminal with mica washer insulation.



## Bulkhead Fitting

Brazed to heater. For quick feed-through mounting. Specify round or hex head, stainless steel or brass.



## Leads

High-temperature 250° F (121° C) lead wire brazed onto the heater terminals. Insulated with fiberglass sleeving and covered with shrink tubing. Specify length of leads.



## Armor

Stainless steel armor to prevent abrasion and wear of leads (Type A). Also available with leak-proof bellows. Specify length of leads and armor.

The following are a few, but by no means the only, ways tubular heaters can be formed. For other shapes, please supply details and/or prints.

FIG. 1- Straight Element

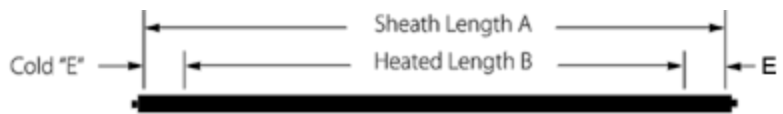


FIG. 2- "U" Shape

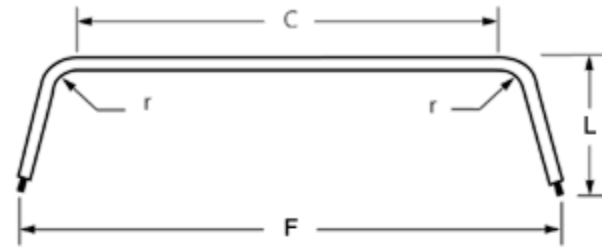


FIG. 3- Circular

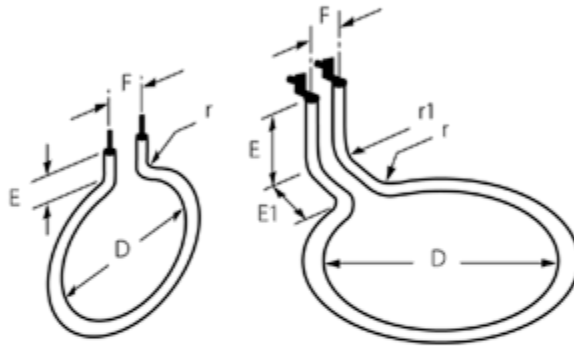


FIG. 4- Circular with extension

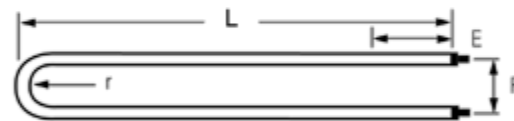


FIG. 5- Hairpin

FIG. 6- "W" Shape

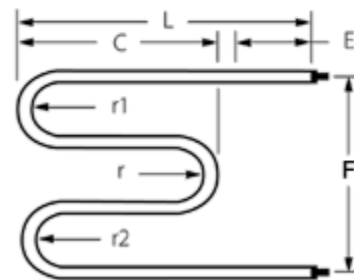


FIG. 7- Double Loop

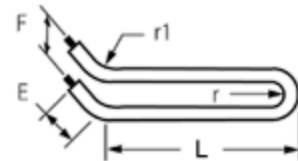
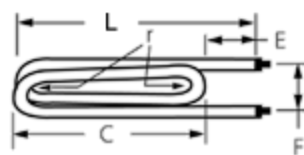


FIG. 8- Bent Hairpin

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