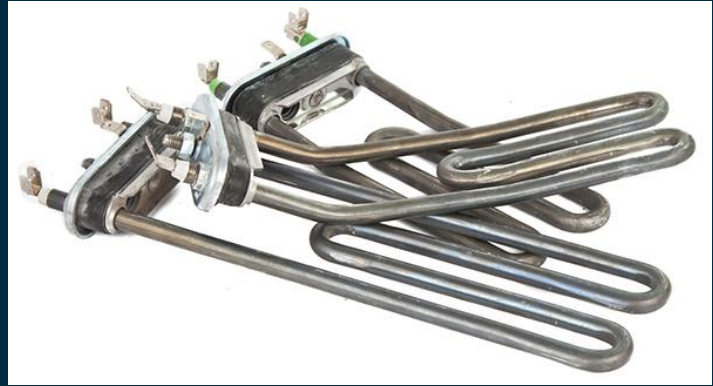


## Tubular Heaters/Rod Elements Technical Information



### Introduction

The Tubular Swaged Element forms the basis of most process heating equipment. As a heat source it is robust, flexible and reliable.

It can be rated to suit all applications up to a maximum of 750°C.

In addition to applying these in our range of process heaters, we supply Tubular Swaged Elements (aka rod elements) in straight lengths, finned or formed to various shapes to suit the customer's application.

### Options

Tubular Swaged Elements are available in 6.35mm, 8mm, 9.5mm, 10mm, 11mm, 12mm, 13.3mm, 16mm, 18mm & 22mm diameter.

Sheath materials include:

- Incoloy 800®, Incoloy 825®, Incoloy 600®
- Copper
- Mild steel
- Stainless steel 304, 316, 321
- Teflon
- Titanium

The elements consist of a helically coiled 80/20 Nickel Chrome wire compacted in magnesium oxide and the full length is passed through swaging rollers to produce a heating element with high electrical resistance and high heat conductivity.

We can produce elements up to a maximum length of 8600mm

Mounting: Elements can be supplied with various brackets, discs and clips fastened to them to facilitate installation. Hedin Heaters also supplies flange mounted elements or can supply compression fittings.

Terminations:

Terminations: Threaded terminals /  
Fiberglass Leads / Tags / Vulcanised leads

### Technical Specifications

- Working temperatures up to 750°C
- Maximum length up to 8600mm
- High resistance to shock and vibration
- Electrical tolerance  $\pm 10\%$  on loading
- Working pressures up to 2000 p.s.i

### Applications

Rod heaters have a myriad of uses. But the majority are used in:

- Immersion Heaters
- Air Heating
- Infra-Red
- Circulation Heaters
- Kettle Elements
- Process Ovens

### Ordering Procedure

Specify the following parameters:

- Diameter
- Sheath material
- Watts
- Volts
- Length
- Cold Ends
- Fin Diameter (if applicable)
- Termination & Mounting (if required)
- Application

Ideally please provide a sketch or drawing.

#### OPTIONAL FITTINGS

