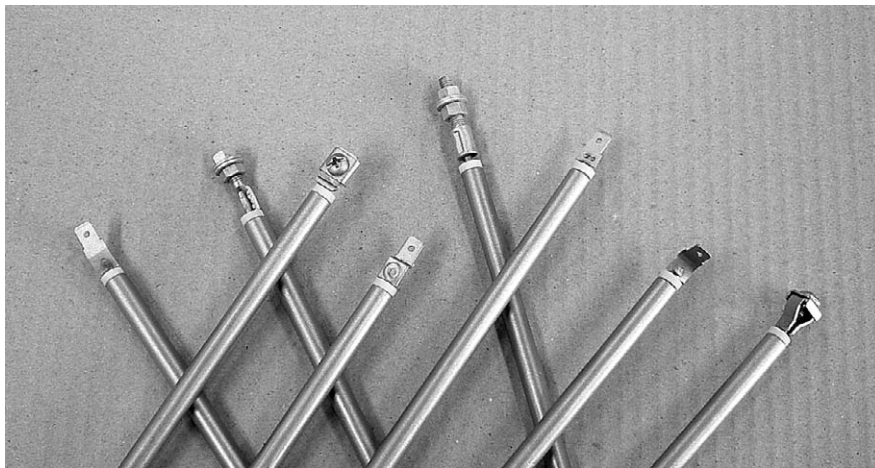




THERMAL ELECTRIC ELEMENTS  
AUSTRALIA



## Terminations

Product

Page No.

Terminals

3.1

Element Bushes & Locking Nuts

3.3

# 3.1

## Terminals and Descriptions

### Leads

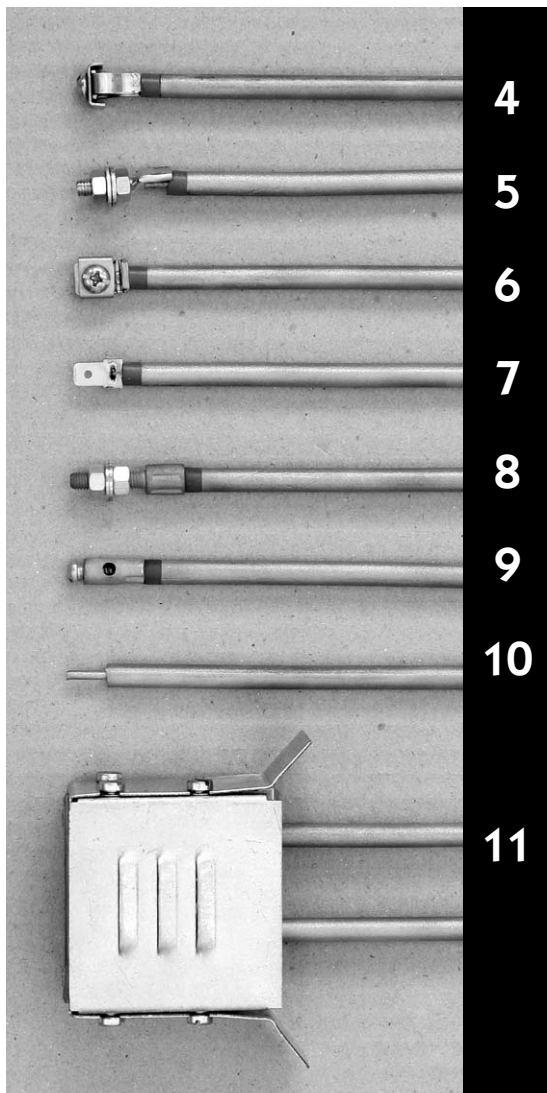
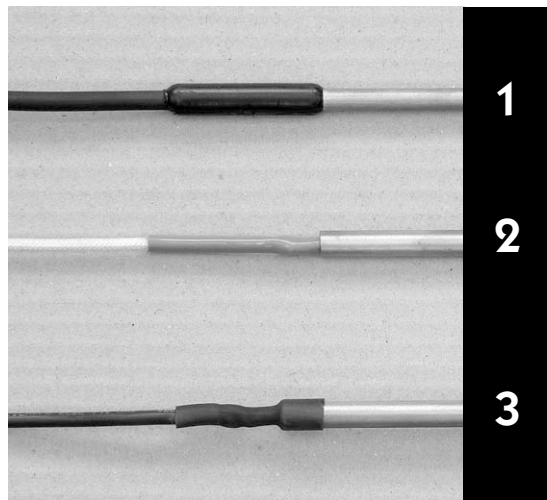
- 1 Vulcanised Rubber Moulded Ends  
A fully moisture resistant, high electrical insulated connection with extra mechanical strength around the cable to the element cold pin junction. Widely used within the refrigeration industry and applications where a wet environment exists.
- 2 Heatshrink with Silicone or Rubber Leads  
An economical alternative to the Vulcanised Rubber Moulded Ends. Moisture resistant and also used within the refrigeration industry where less mechanical stress is present at the cable to element cold pin junction.
- 3 High Temperature Leads with Silicone Coated Fibreglass or Teflon Sleeve  
Used for ovens, heated platters, heater bands and nozzle elements.

### Terminations

- 4 Stirrup  
Used for higher temperature applications where the electrical connection can only be accessed from the front of the element.
- 5 5mm Stud Spotweld  
Used for higher temperatures where a firm connection with multiple cables or busbar is required. Supplied with locking nuts and washers.
- 6 Flag  
Used for higher temperature applications where an electrical connection can only be accessed 90° to the element.
- 7 Quick Connect  
Recommended to be used on heating elements not exceeding 1750 watts or 7.5 Amps current rating.
- 8 5mm Brass Stud Crimp On  
Used for lower temperature applications where a firm connection with multiple cables or busbar is required. Supplied with locking nuts and washers.
- 9 Brass Post  
Used for lower temperature applications where an electrical connection can only be accessed from the front of the element.
- 10 Trimmed Element Ends with Exposed Terminal Pin  
Lengths of 12mm to 50mm. Used where the end user has their own special electrical connections available.
- 11 Plugall Socket  
Used where electrical 2 pin ceramic or silicone Europlug is available. Widely used within the plastics industry, for heater bands, plattern heaters, or any application where elements are being changed frequently for portable use.

# 3.2

## Terminals



# 3.3

## Element Bushes & Locking Nuts

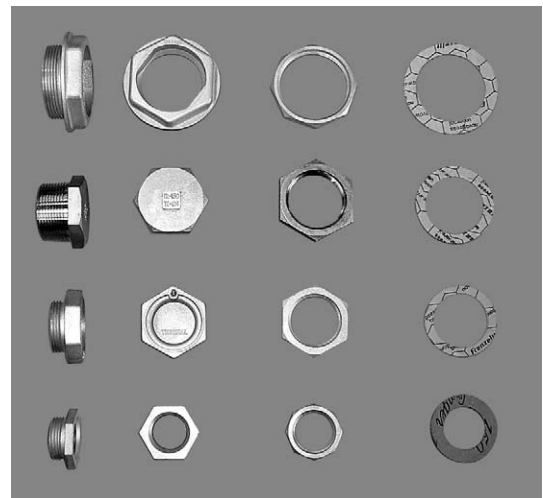
Thermal's range of element bushes with matching locking nuts in S.S., brass, aluminium and mild steel. Standard gaskets/washers include brass, teflon, fibre, rubber, Clingerite, tooth lock and Kevlar with graphite high temperature- high pressure gaskets.

2" BSP Bush - Parallel Thread  
Thread Diameter - @ 60mm

1 1/2" BSP Bush - Taper Thread  
Thread Diameter - @ 48mm

1 1/4" BSP Bush - Parallel Thread  
Thread Diameter - @ 41mm

1" BSP Bush - Parallel Thread  
Thread Diameter - @ 33mm

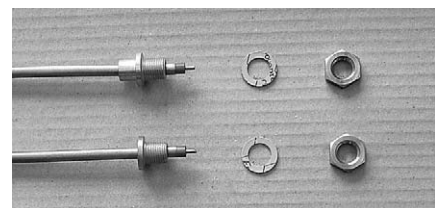


## Crimp On Type

Suitable for dry applications, eg: air conditioning, ovens

3/8" BSP  
Thread Diameter - @16.5mm

1/4" BSP  
Thread Diameter - @13mm



## Welded or Silver Brazed

Suitable for moist applications, eg: refrigeration, tanks

1/4" BSP  
Thread Diameter - @13mm

3/8" BSP  
Thread Diameter - @16.5mm

1/2" UNF  
Thread Diameter - @13mm

