Romar Elements is an Australian manufacturer of tubular heating elements. We strive to provide good quality Australian made heating elements that are, hard to find, out of circulation or totally custom made in the shortest possible turnaround time.

We do not try to compete with our overseas counterparts on price and quantity, because our business is specialised and we look to service those customers in need of small quantities of quality heating elements. For a standard order of 1-10 elements, we require 10 working days before dispatch. For quantities over 10 and up to 50 elements, we require four weeks to dispatch.

At Romar Elements, we hope to complement our standard delivery times with an 'Urgent' or 'Break-down' service that allows us to produce special elements in 24 hours. This service is often used by the commercial and industrial markets; businesses who cannot afford to have their appliances and machines out of service for any amount of time. The 'Break-down' service has an 85% surcharge for overnight manufacturing and if you are outside the Melbourne metropolitan area you may need to allow 2-3 days delivery.

We do keep a small amount of stock on shelf and this catalogue lists the most common of these stock items. Remember, if you don't see what you need here, contact us, we will most likely be able to help you find the heating element you are looking for.
Metal Sheaths

Tubular element diameters:  6mm, 8mm and 10.7mm.
Materials:  Incoloy 800, 321 Stainless Steel and Copper tube
Mineral insulation:  High grade magnesium oxide
Element coil:  Helical coil of 80/20 Nickle chrome resistance wire or Alferon 20 wire

Electrical terminations

Standard terminal connections as illustrated below:

1. CT001 Quick Connect
2. CT002 Screw Termination
3. CT003 Horse-shoe Termination
4. CT004 Stud Termination
5. CT005 Twin Connect
6. CT006 Lead and Copper Crimp
7. CT007 45° Angle Quick Connect
8. CT008 Twin Connect U
9. CA1 Moisture Proof Heat Shrink
The Tubular Element is one of the most versatile heating solutions available. It can operate in air, bolted to a solid, or vessel, or directly immersed into a liquid.

Different parameters apply for each heating application and these parameters are designed into the finished element so customers have the exact heater for the task they require.

A Nickle-Chromium coil is centred within the outer metal sheath. The coil is then insulated from the outer metal sheath with, compacted, a high grade magnesium oxide.

The coil is welded to a lead pin at each end, to allow for the attachment of various electrical terminations.

When placing an order for a straight tubular element, we need the following information:

1. Voltage
2. Wattage
3. Effective heating length (the length of active heat)
4. Finished element length
5. Material of outer sheath
6. Type of electrical terminations
7. Type of mechanical fixings

When the element needs bending to fit an application, a dimensioned sketch or drawing is required. We can always provide technical help in designing and determining a customer's needs or, alternatively, in the next section, we have provided some of the more common shapes which may suit the heating application. If this is the case, make sure to quote the number directly below the drawing box and the dimensions indicated in letter form on the drawing.

The more information we have about the type of heating solution required the more accurate we can manufacture the product.
Tubular Elements are manufactured in various lengths depending on the customer's requirements. Our manufacturing process and technical knowledge allows us to provide one of the most comprehensive ranges in Australia. Below are a few of the most common forms:
This is a small example of the varying tubular element formations. If one of these designs is suitable, quote the number directly below the drawing box and dimensions according to the corresponding letter indicated in the drawing.
Screw-in Immersion Elements

Screw-in Immersion elements are a versatile option for tanks and pressure vessels. Standard screw-in heads are available in brass, 1", 1 1/4", 1 1/2" & 2" BSP. All elements are silver brazed into the head and thermostat pockets can be incorporated. Element sheaths can be manufactured from 8mm or 10.7mm, 321 stainless steel or Incoloy 800. Non standard head sizes and materials are available on request.

Thermowells are used for the installation of temperature sensors. Our stock elements with thermowells are manufactured to suit the installation of a 1/4" thermostat.

Thermowells are denoted on our stock elements by the letter "T" after the part number.
### 1" BSP IMMERSION ELEMENTS

(Thread 33mm O.D)

<table>
<thead>
<tr>
<th>Model</th>
<th>Power (W)</th>
<th>Length (mm)</th>
<th>Type</th>
</tr>
</thead>
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</tr>
<tr>
<td>SON12</td>
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<td>305</td>
<td>U</td>
</tr>
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<td>1800</td>
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</tr>
<tr>
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<td>370</td>
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</tr>
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<td>SON36S</td>
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</tr>
<tr>
<td>SON48</td>
<td>4800</td>
<td>405</td>
<td>FB</td>
</tr>
</tbody>
</table>

All Immersion elements are supplied complete with gasket. As with all elements manufactured by Romar, the products listed in this catalogue are standard items, we keep small quantities of these items on shelf.

If you require elements that are not listed in this catalogue, please contact us, we will be happy to build the exact heating element you need.
1 1/4" BSP IMMERSION ELEMENTS
(Thread 42mm O.D.)

**SINGLE U**
- MON10 1000W 245mm U
- MON12 1200W 280mm U
- MON15 1500W 305mm U
- MON18 1800W 230mm FB
- MON18T 1800W 230mm FB
- MON20 2000W 245mm FB
- MON24 2400W 280mm FB
- MON30 3000W 305mm FB
- MON36 3600W 305mm FB
- MON48 4800W 405mm FB

**FOLDBACK FB**
- MDN36 3600W 355mm U
- MDN40 4000W 410mm U
- MDN48 4800W 460mm U
- MDN60S 6000W 560mm DL
- MDN80S 8000W 560mm DL

**DOUBLE U**
- MON10 1000W 245mm U
- MON12 1200W 280mm U
- MON15 1500W 305mm U
- MON18 1800W 230mm FB
- MON18T 1800W 230mm FB
- MON20 2000W 245mm FB
- MON24 2400W 280mm FB
- MON30 3000W 305mm FB
- MON36 3600W 305mm FB
- MON48 4800W 405mm FB

**DOUBLE DL**
### 2" BSP Immersion Elements

( Thread 59mm O.D )

**Single U**

**Foldback FB**

**Triple DL**

**Triple U**

<table>
<thead>
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</table>
Copper sickle and off-set elements are used in the hot water service industry. We provide both imported and an Australian made product and can manufacture non-standard bolt on forms as required.

LOW WATTS DENSITY HOT WATER ELEMENT

At Romar, we also stock various low watts density elements for hot water systems in areas where the hard water quality increases the risk of corrosion. Contact us for sizes and wattages.
Copper sheaths are used as an outer casing for withdrawable ceramic bobbin heaters. These heaters are used specifically to heat liquid material in tanks. While tubular elements are just as efficient at this type of heating, it can be problematic if the element fails, as the tank must be drained to replace the element. In the case of the withdrawable bobbin heater, the copper sheath is mounted in the side of the tank and the bobbin can be inserted or withdrawn without the tank being emptied.

SH15  1500W
SH24  2400W
SH30  3000W
SH36  3600W
SH48  4800W
Romar Elements manufactures tubular elements for Commercial Catering appliances, including: pizza ovens, combi-ovens, deep fryers, commercial toasters and coffee machines, urns, proving ovens, bain maries, warming display cabinets and defrost systems.

We also manufacture tubular elements for a wide range of Commercial Cleaning applications, including: carpet cleaning, dishwashers and warewashers, dry-cleaning, high pressure cleaners, dog washing and more...

Below are some of the more common shapes available:
In our commercial catering section, we try to keep the most common elements on the shelf, however as the commercial catering appliance industry is vast, we again recommend that you contact us for a custom-made product you cannot find listed here.
We keep some common commercial stock available on shelf and if you require an item on regular terms and it is not listed here, we are happy to work out an arrangement that keeps you in regular supply of your required product. This may be a replacement type element or a custom made type.
Tubular Heating Element

ROMAR ELEMENTS
COMMERCIAL CATERING

SECTION 3
HOBART

HOBART DISHWASHER
X5625 2400W

HOBART DISHWASHER
X5626 10.8KW

HOBART DISHWASHER
X5627 3600W

HOBART DISHWASHER
X5628 17KW

HOBART DISHWASHER
X5630 2000W

HOBART DISHWASHER
X5631 330W

HOBART DISHWASHER
X5632 450W

HOBART DISHWASHER
X5633 2000W

SECTION 3
HOBART
### FOR WET APPLICATIONS

<table>
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<th>WATTS</th>
<th>LENGHT</th>
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<td>1200W</td>
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<td>DIY18W</td>
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<td>2400W</td>
<td>2340mm</td>
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<tr>
<td>DIY30W</td>
<td>3000W</td>
<td>2640mm</td>
</tr>
<tr>
<td>DIY36W</td>
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### FOR DRY APPLICATIONS

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<td>DIY12D</td>
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<tr>
<td>DIY24D</td>
<td>2400W</td>
<td>2890mm</td>
</tr>
</tbody>
</table>

DIY elements are manufactured in the straight length for individual bending requirements. Commercial customers often use DIY elements in bain-maries and hot food bars. Again, these elements are our standard sizes, please contact us if you require any variations to the list above.

### CAUTION

* Exercise care when bending DIY elements.
* Do not attempt to straighten the element after bending.
* Minimum distance between bends should be 50mm diameter.
If we don't have the urn element you need on shelf, Romar can make a replica of your sample, or design an element to suit your application.

Our standard urn element range is as below:

- **BIRKO WITH THERMO**
  - BIR24 2400W 240V

- **WASHBOILER A**
  - WBA15 1500W 240V
  - WBA20 2000W 240V
  - WBA24 2400W 240V

- **WASHBOILER C**
  - WBC15 1500W 240V
  - WBC20 2000W 240V
  - WBC24 2400W 240V

- **LANGCO**
  - LC10 1000W 240V
  - LC12 1200W 240V
  - LC15 1500W 240V

- **LANGCO 2400W**
  - LA24 2400W 240V
  - LA36 3600W 240V

- **FOWLERS 1800W**
  - FOW6 1800W 240V

- **FOWLERS**
  - FOW25 250W 240V
  - FOW40 400W 240V
  - FOW75 750W 240V
  - FOW14 1400W 240V
All standard urn elements, apart from the HECLA 1500W element, are manufactured from copper sheaths and then plated in tin. The HEC15 is kept in the natural copper state.

There can be hundreds of different element designs for any type of appliance, if you don't see the element you require in our standards section, please contact us, creating custom-made elements is our specialty. We need a picture with dimentions, or ideally, the sample from your appliance to recreate the element you require.
We have been providing reconditioned commercial coffee machine elements to the catering and electrical repairs industry since 1996. We can replace any heating element of commercial coffee machines provided you can supply the failed element and head. We then use the existing head to rebuild the new element. Below are some of the more popular brands we rebuild:

- **Haros**: 2400W, 240V
- **Brugnette**
- **Faema**
- **Astoria**
- **La Cimbali**
- **La Pavoni**
- **Gaggia**
- **Rancilio**

We do stock a limited amount of Cafe Bar and Haros style elements as listed below:

- **Cafe Bar**: 2400W
- **Cafe Bar**: 2400W
- **Haros**: 2400W, 240V

**1 1/4" BSP Boss for Some:**
- La Marzocco
- Wega
- Astoria
- Conti
- Carimali
- Bezzera

**3/8" BSP Glands for Some:**
- Nuova Simonelli
- La Marzocco
- Brasilia
- Faema
As with the commercial and industrial elements, Romar can manufacture a replacement element based on your sample or drawing. We often have customers who cannot find elements for their out-dated (but still functional) ovens, barbeques and dishwashers. Most popular domestic elements are bought into Australia in the 1000s, however unique heating elements or specialised elements are much more difficult to find. If you have this problem, Romar Elements can help you.
While our specialty is supplying elements that cannot be sourced elsewhere, Romar Elements has a small selection of common domestic oven and stove top coils in stock. Below are our listed stock items:

- **FF001** 186mm x 245mm BLANCO 2200W
- **FF002** 186mm x 221mm ST GEORGE 2200W
- **FF003** 186mm x 214mm WESTINGHOUSE 2200W
- **FF004** 187mm x 242mm BLANCO 2400W
- **FF005** 186mm x 207mm ST GEORGE 2200W
- **FF006** 187mm x 245mm FISHER & PAYKEL 2400W
- **FF007** 190mm x 213mm KLEENMAID 2150W
- **FF008** 186mm x 252mm MODERN MAID 2400W
- **FF009** 186mm x 208mm CHEF 2200W
- **FF010** 180mm x 260mm KLEENMAID 2500W
- **FF011** 186mm x 208mm TECHNICA 2750W
- **FF012** 220mm x 195mm
The products listed below are the lower oven elements for popular bands: Blanco, Chef, Malleys, Glem, Miele, Technika and Simpson.

Stove top elements in two sizes: 6 1/4" and 8" for Chef, Simpson and Modern Maid. We also have some limited stock of Fridgidaire monotube 6 1/4" and 8". Please contact us for exact models and wattages.
The products listed below are the main oven elements for popular bands: Simpson and Frigidaire.

OV002  2000W
360mm x 434mm

OV004  2700W
360mm x 308mm

OV010  1900W
R24 BAKE RANGE

The products listed below are the grill oven elements for popular band: Kleenmaid, Bonpani and Fisher & Paykel.

OVGR003 800/1800W
295mm x 358mm

OVGR002 550/2750W
280mm x 340mm

If you would like us to stock an oven element you use regularly please contact Romar Elements to arrange stock.
Romar Elements is often called on to create heating elements for industrial markets such as: plastics industry, oil heating and refining industries, wax casting and various smelting industries.

Below are a few of the more common applications:
Portable tubular elements are extremely versatile for heating water, chemicals, fats, oils and waxes in the bath, steel bucket or drum that they are stored in. This means that the product to be heated does not need to be moved to specialised equipment and after the heating process is finished the heating element can be moved easily aside or to another tank.

Remember to consider the type, quantity and boiling point of your material so you can safely heat the product within the bath, steel bucket or drum you are using. Also consider that the portable element will burn through any plastic or other meltable container. If you are unsure or need assistance with the set-up of your portable immersion element, ALWAYS contact your local electrician.
Mica band and Nozzle heaters

Flexible mica band heaters are designed to open up and flex over the machine barrel without having to remove other heaters or fittings. Band heaters are made from Nickle Chromium wire or ribbon and is wound onto a mica former, encased within a zincanneal sheath. A stainless steel clamp band (complete with swivel toggles) is provided for clamping.

Please contact us for sizing, wattage and voltage.
The following pages list our range of accessories for heating applications. Please contact us if you need an accessory which may not be listed on these pages, we may be able to help you.

ACCESSORIES

BEZELS

KNOBS

THERMOSTATS

WIRE

CABLE

CONTROLLERS

GASKETS

BACKNUTS

SWITCHES

THERMOWELLS

AND MORE...
Romar Elements stocks a small range of accessories for the convenience for our customers. As with our element range, customers who need ongoing supplies of heating accessories that are not listed here can contact us to arrange supply.

LO-OFF-HI

0-40°

30-120°

STAINLESS STEEL BEZLE

ENERGY REGULATORS
50.56078.007  SINGLE POLE

CAPILLARY THERMOSTATS
55.1800.010  0°-40° 16 AMP
55.17022.101  30°-120° 16 AMP
Romar Elements stocks a small range of accessories for the convenience for our customers. As with our element range, customers who need ongoing supplies of heating accessories that are not listed here can contact us to arrange supply.

**NICHROME WIRE**

- **5-10 MTR**
- **VARIOUS SIZES**

**SILICONE CABLE**

- **CL15** 1.5mm BLACK/RED/BLUE/BROWN/GREEN
- **CL25** 2.5mm BLACK/RED/BLUE/BROWN/GREEN
- **CL40** 4.0mm BLACK/RED/BLUE/BROWN/GREEN

**TOGGLE SWITCHES**

- **O**
- **I**

**ROCKER SWITCHES**

- **RED / GREEN**
- **SINGLE / DOUBLE**

**GASKETS**

- **CG112** 1/2" BSP
- **CG38** 3/8" BSP
- **CG1** 1" BSP
- **CG114** 11/4" BSP
- **CG2** 2" BSP
- **CGBO1** BOLT-ON

**BACK NUTS**

- **CBN12** 1/2" BSP
- **CBN38** 3/8" BSP
- **CBN1** 1" BSP
- **CBN114** 11/4" BSP
- **CBN2** 2" BSP