

HEATING ELEMENT SPECIALIST



ABOUT ROMAR ELEMENTS

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 'Breakdown' 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.

INDEX

PAGE CONTENT

SECTION1

- 1 **TUBULAR HEATING ELEMENTS**
- 2 **ELEMENT CONSTRUCTION**
- 3-4 **ELEMENT FORMS**

SECTION 2

- 5 **IMMERSION ELEMENTS**
- 6 1"BSP IMMERSION
- 7 11/4" BSP IMMERSION
- 8 2" BSP IMMERSION
- 9 **BOLT-ON ELEMENTS**
- 10 2" COPPER SHEATHS

SECTION 3

- **COMMERCIAL CATERING ELEMENTS**
- 12-13 WOODSON/ SEMAK/ ZANUSSI/ HOTFOOD
- 14 **HOBART**
- 15 **DIY ELEMENTS**
- 16-17 URN ELEMENTS
- 18 **COFFEE MACHINE ELEMENTS**

SECTION 4

- 19 **DOMESTIC APPLIANCE ELEMENTS**
- 20 **FAN FORCED OVEN**
- 21 LOWER OVEN AND STOVE TOP COILS
- 22 **MAIN OVEN**

SECTION 5

- 23 **INDUSTRIAL ELEMENTS**
- 24 PORTABLE IMMERSION ELEMENTS
- 25 **BAND ELEMENTS**

SECTION 6

26-28 ACCESSORIES



In Person

Unit 5/353 Dorset Road Bayswater, Victoria, 3153



Mobile 0418 543201



CONTACT US

Telephone 03 9761 0299



03 9761 0277



Email

robert@romarelements.com.au

TUBULAR HEATING ELEMENTS



Metal Sheaths

Tubular element diameters: 6mm, 8mm and 10.7mm.

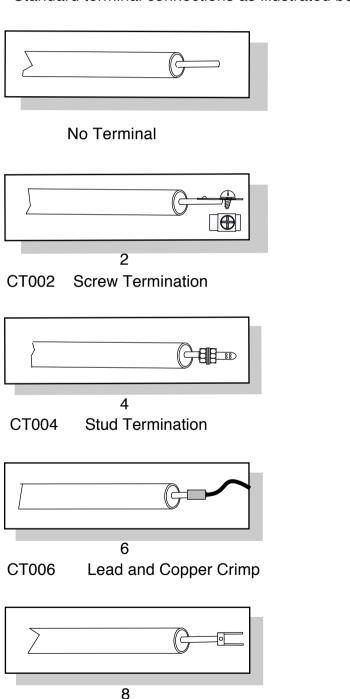
Materials: Incoloy 800, 321 Stainless Steel and Copper tube

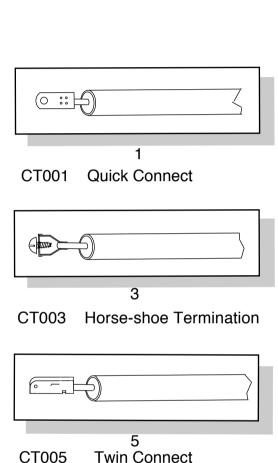
Mineral insulation: High grade magnesium oxide

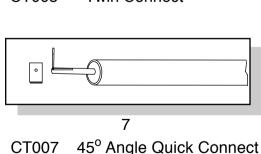
Element coil: Helical coil of 80/20 Nickle chrome resistance wire or Alferon 20 wire

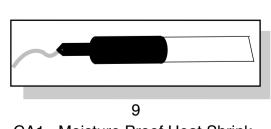
Electrical terminations

Standard terminal connections as illustrated below:









CA1 Moisture Proof Heat Shrink

Twin Connect U

CT008

TUBULAR HEATING ELEMENTS

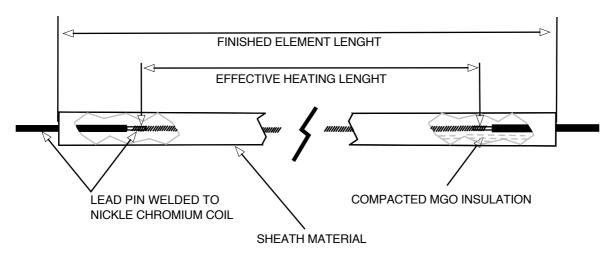


The Tubular Element is one of the most versatile heating solutions available. It can opperate in air, bolted to a solid, or vessel, or directly immersed into a liquid.

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 lenght (the lenght of active heat)
- 4. Finished element lenght
- 5. Material of outer sheath
- 6. Type of electrical terminations
- 7. Type of mechanical fixings

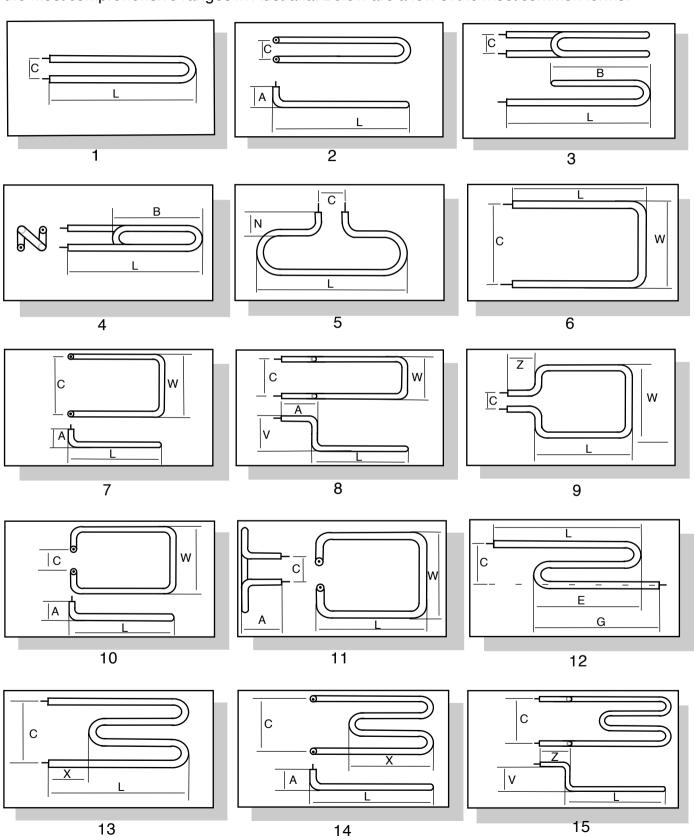
When the element needs bending to fit an application, a dimentioned sketch or drawing is required. We can always provide technical help in designing and determining a customer's needs or, alternatively, in the next section, we have provided some of the more common shapes which may suit the heating application. 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 HEATING ELEMENTS



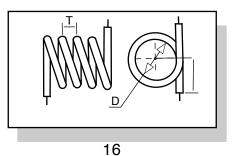
Tubular Elements are manufactured in various lenghts depending on the customer's requirements. Our manufacturing process and technical knowledge allows us to provide one of the most comprehensive ranges in Australia. Below are a few of the most common forms:

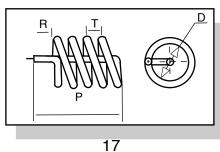


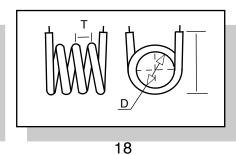
TUBULAR HEATING ELEMENTS

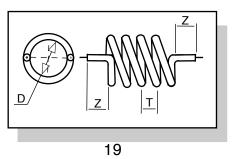


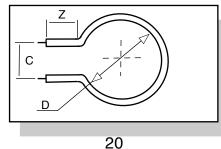
This is a small example of the varying tubular element formations. If one of these designs is suitable, quote the number directly below the drawing box and dimensions according to the corresponding letter indicated in the drawing.

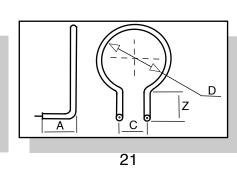


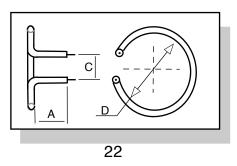


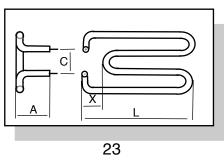


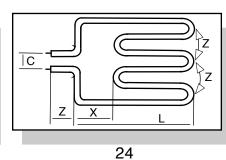


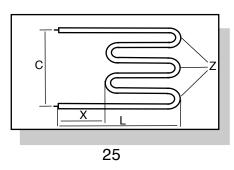


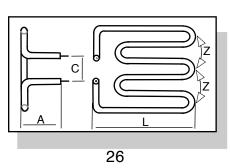


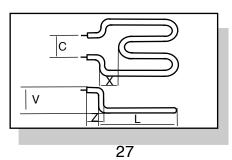


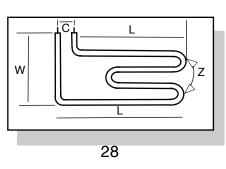


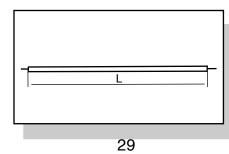










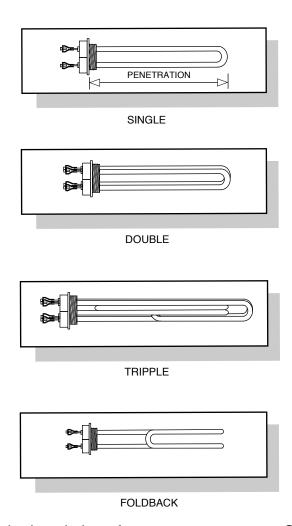




Screw-in Immersion Elements

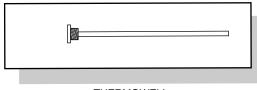
Screw-in Immersion elements are a versatile option for tanks and pressure vessels.

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 stanless 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.

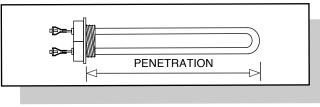


THERMOWELL

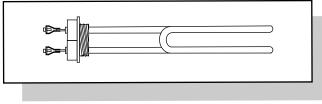


1" BSP IMMERSION ELEMENTS

(Thread 33mm O.D)



SINGLE



FOLDBACK

SON10	1000W	255mm	U
SON12	1200W	280mm	U
SON15	1500W	305mm	U
SON18	1800W	230mm	FB
SON18U	1800W	370mm	U
SON20	2000W	245mm	FB
SON24	2400W	280mm	FB
SON24U	2400W	470mm	U
SON30	3000W	305mm	FB
SON30U	3000W	580mm	U
SON36	3600W	305mm	FΒ
SON36U	3600W	580mm	U
SON36S	3600W	255mm	FΒ
SON48	4800W	405mm	FB

All Immersion elements are supplied complete with gasket.

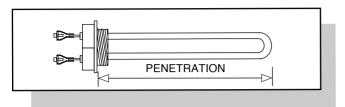
As with all elements manufactured by Romar, the products listed in this catalogue are standard items, we keep small quantities of these items on shelf.

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.

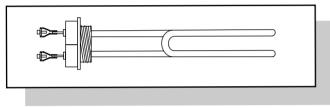


1 1/4" BSP IMMERSION ELEMENTS

(Thread 42mm O.D)

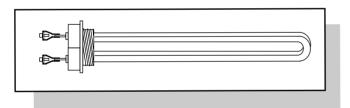


SINGLE U

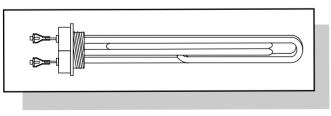


FOLDBACK FB

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 U

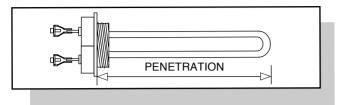


DOUBLE DL

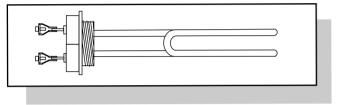
MDN36	3600W	355mm	U
MDN40	4000W	410mm	U
MDN48	4800W	460mm	U
MDN60S	6000W	560mm	DL
MDN80S	W0008	560mm	DL

2" BSP IMMERSION ELEMENTS

(Thread 59mm O.D)

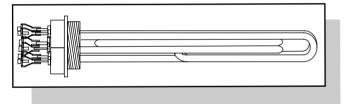


SINGLE U

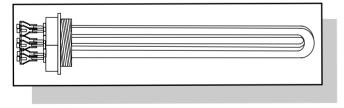


FOLDBACK FB

LON10	1000W	275mm	U
LON12	1200W	280mm	U
LON15	1500W	305mm	U
LON18	1800W	370mm	FΒ
LON20	2000W	245mm	FΒ
LON24	2400W	280mm	FΒ
LON30	3000W	270mm	FΒ
LON36	3600W	270mm	FΒ
LON48	4800W	405mm	FΒ



TRIPPLE DL

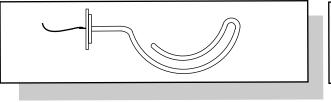


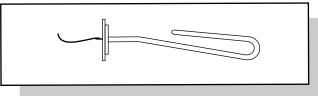
TRIPLE U

LTN22T	2250W	240V	523mm	U
LTN30	3000W	240V	270mm	U
LTN36	3600W	240V	280mm	U
LTN36A	3600W	415V	620mm	U
LTN45	4500W	240V	305mm	U
LTN48	4800W	240V	330mm	U
LTN48A	4800W	415V	330mm	U
LTN48L	4800W	240V	330mm	U
LTN60	6000W	240V	380mm	U
LTN60A	6000W	415V	560mm	U
LTN72	7200W	240V	460mm	U
LTN72A	7200W	415V	730mm	U
LTN90	9000W	240V	560mm	U
LTN90S	9000W	240V	285mm	DL
LTN96	9600W	240V	965mm	U
LTN96A	9600W	415V	965mm	U
LTN108	10800W	240V	660mm	U
LTN100	10000W	240V	930mm	U
LTN100A	10000W	415V	620mm	U
LTN100S	10000W	240V	620mm	U
LTN120	12000W	240V	495mm	FΒ
LTN120S	12000W	240V	495mm	FΒ
LTN144	14400W	240V	740mm	U
LTN144L	14400W	240V	740mm	U



BOLT ON COPPER SICKLE and OFF-SET ELEMENTS





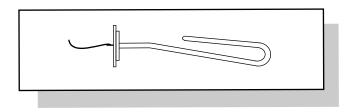
COPPER BOLT ON SICKLE

INCOLOY BOLT ON FOLDBACK

BSC12	2400W	305mm	SI	BBN24	2400W	265mm	FB
BSC30	3000W	305mm	SI	BBN30	3000W	305mm	FB
BSC36	3600W	305mm	SI	BBN36	3000W	305mm	FΒ
BSC48	6000W	460mm	SI	BBN48	4800W	405mm	FΒ

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

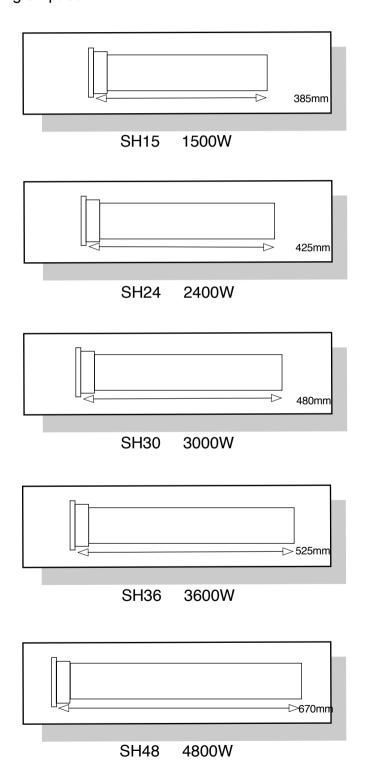


LOW WATTS DENSITY BOLT ON FOLDBACK

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.



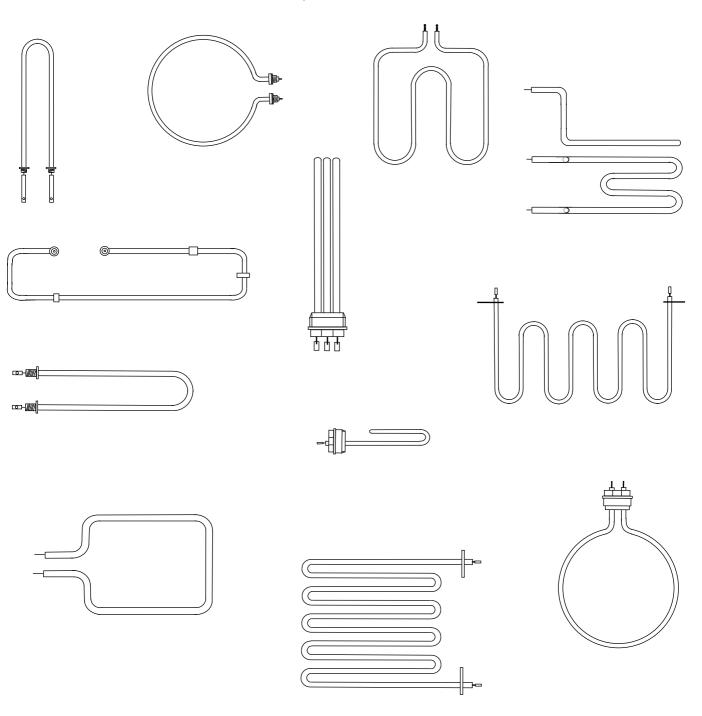
TUBULAR HEATING ELEMENTS



Romar Elements manufactures tubular elements for Commercial Catering appliances, including: pizza ovens, combi-ovens, deep fryers, commercial toasters and coffee machines, urns, prooving ovens, baine 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 washers and more...

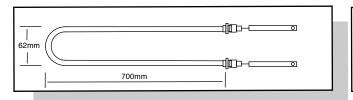
Below are some of the more common shapes available:



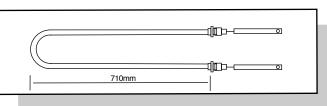
COMMERCIAL CATERING



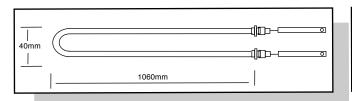
In our commercial catering section, we try to keep the most common elements on the shelf, however as the commercial catering appliance industry is vast, we again recommend that you contact us for a custom-made product you cannot find listed here.



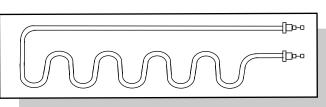
SEMAK ROTISSERIE X5726 2500W 240V



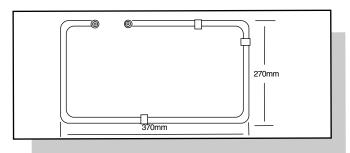
SEMAK ROTISSERIE X7917 2100W 240V



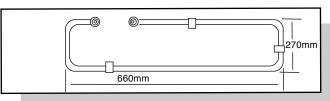
SEMAK ROTISSERIE X5728 3250W 240V



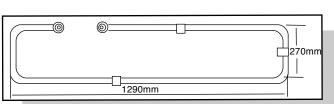
ZEUS AUSTHEAT X5770 3600W 240V



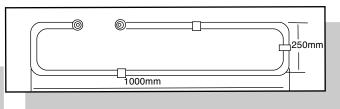
WOODSON BAIN MARIE X5722 1800W 240V



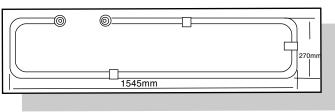
WOODSON BAIN MARIE X5783 2000W 240V



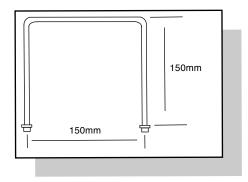
WOODSON BAIN MARIE X5431 3100W 240V



WOODSON BAIN MARIE X5784 3000W 240V



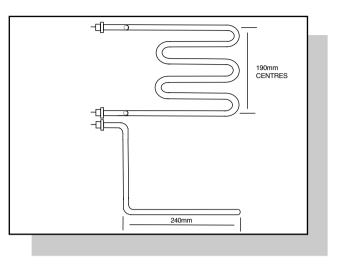
WOODSON BAIN MARIE X5383 3100W 240V

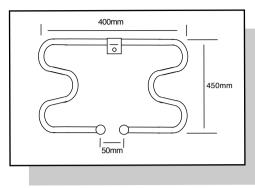


WOODSON M3PTANK X5724 1000W 240V

COMMERCIAL CATERING

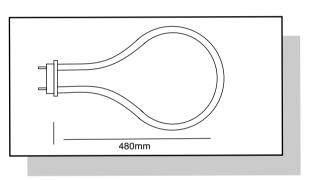


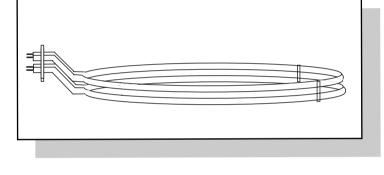




WOODSON BAIN MARIE X5424 2400W

WOODSON DF24 2400W





HOT FOOD BAR

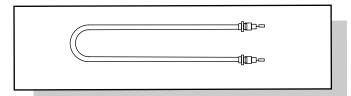
SNO18 1800W SNO24 2400W SNO36 3600W

ZANUSSI COMMERCIAL OVEN 8KW 400V

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.

COMMERCIAL CATERING

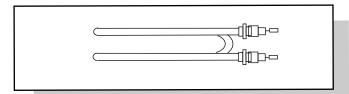




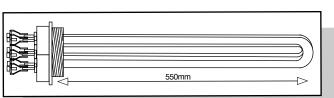
HOBART DISHWASHER X5625 2400W



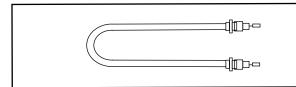
HOBART DISHWASHER X5626 10.8KW



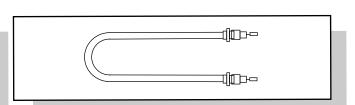
HOBART DISHWASHER X5627 3600W



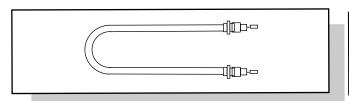
HOBART DISHWASHER X5628 17KW



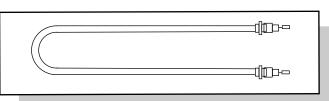
HOBART DISHWASHER X5630 2000W



HOBART DISHWASHER X5631 330W



HOBART DISHWASHER X5632 450W



HOBART DISHWASHER X5633 2000W



DO IT YOURSELF ELEMENTS



FOR WET APPLICATIONS

PART No.	WATTS	LENGHT
DIY7W DIY10W DIY12W DIY15W DIY18W DIY20W	600W 1000W 1200W 1500W 1800W 2000W	710mm 920mm 1120mm 1320mm 1708mm 1830mm
DIY24W	2400W	2340mm
DIY30W	3000W	2640mm
DIY36W	3600W	3150mm

FOR DRY APPLICATIONS

PART No.	WATTS	LENGHT
DIY6D	600W	720mm
DIY10D	1000W	1020mm
DIY12D	1200W	1420mm
DIY15D	1500W	1930mm
DIY18D	1800W	2180mm
DIY20D	2000W	2490mm
DIY24D	2400W	2890mm

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.

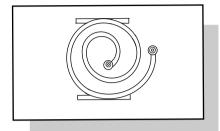
SECTION 3 DIY ELEMENTS

URN ELEMENTS

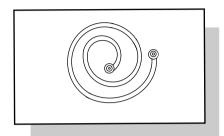


If we don't have the urn element you need on shelf, Romar can make a replica of your sample, or design an element to suit your application.

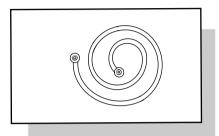
Our standard urn element range is as below:



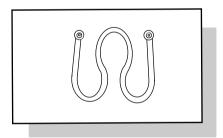
BIRKO WITH THERMO BIR24 2400W 240V



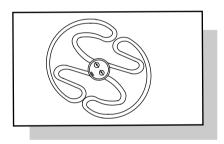
WASHBOILER A
WBA15 1500W 240V
WBA20 2000W 240V
WBA24 2400W 240V



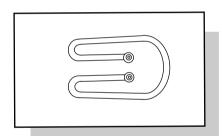
WASHBOILER C
WBC15 1500W 240V
WBC20 2000W 240V
WBC24 2400W 240V



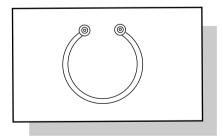
LANGCO LC10 1000W 240V LC12 1200W 240V LC15 1500W 240V



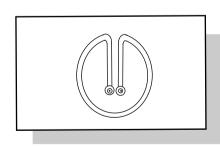
LANGCO 2400W LA24 2400W 240V LA36 3600W 240V



FOWLERS 1800W FOW6 1800W 240V



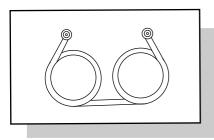
FOWLERS FOW25 250W 240V FOW40 400W 240V FOW75 750W 240V



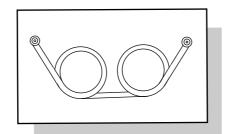
FOWLERS FOW14 1400W 240V

URN ELEMENTS

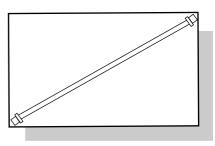




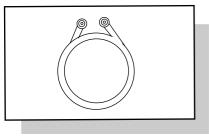
WESTGATE SERVEX SER12 1200W 240V



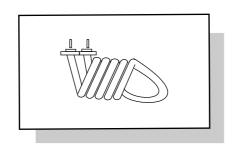
WESTGATE SERVEX
SER15 1500W 240V



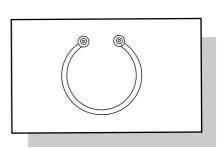
WESTGATE SERVEX
WES7 750W 240V



WESTGATE SERVEX SER12 1200W 240V



HECLA HEC15 1500W 240V



DUX DUX10 1000W 240V

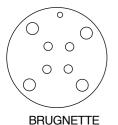
All standard urn elements, apart from the HECLA 1500W element, are manufactured from copper sheaths and then plated in tin. The HEC15 is kept in the natural copper state.

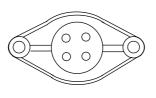
There can be hundreds of different element designs for any type of appliance, if you don't see the element you require in our standards section, please contact us, creating custom-made elements is our specialty. We need a picture with dimentions, or ideally, the sample from your appliance to recreate the element you require.

COFFEE MACHINE ELEMENTS



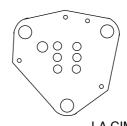
We have been providing reconditioned commercial coffee machine elements to the catering and electrical repairs industry since 1996. We can replace any heating element of commercial coffee machines provided you can supply the failed element and head. We then use the existing head to rebuild the new element. Below are some of the more popular brands we rebuild:

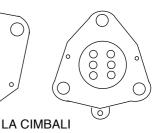


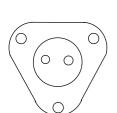


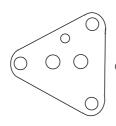
FAEMA

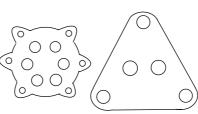
ASTORIA

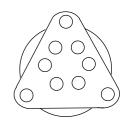












LA PAVONI

GAGGIA

RANCILIO



1 1/4" BSP BOSS FOR SOME:

LA MARZOCCO WEGA ASTORIA CONTI CARIMALI BEZZERA

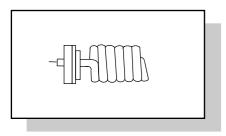


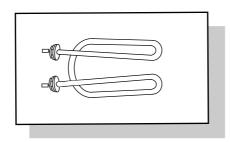


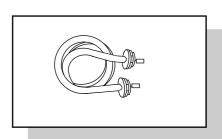
3/8" BSP GLANDS FOR SOME:

NUOVA SIMONELLI LA MARZOCCO BRASILIA FAEMA

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







HAROS 2400W 240V

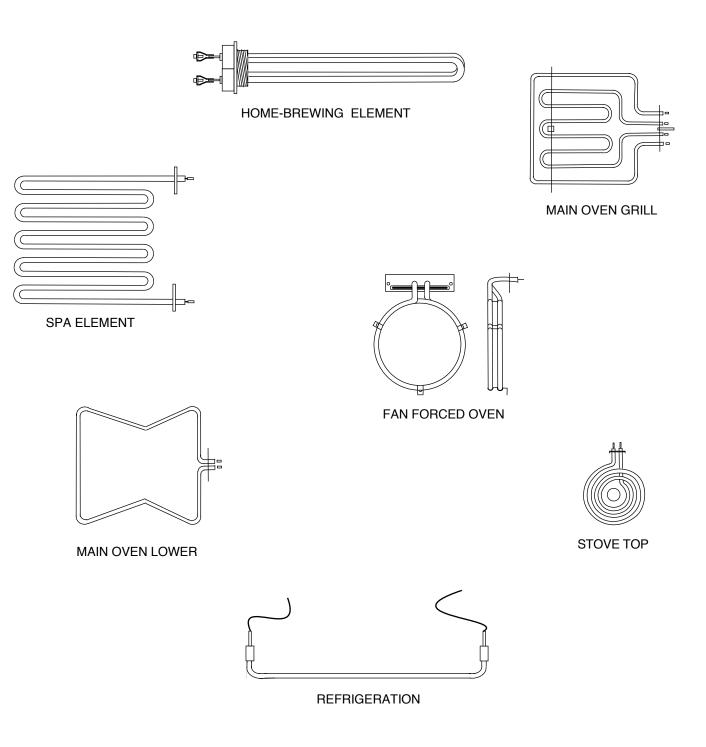
CAFE BAR 2400W

CAFE BAR 2400W



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.

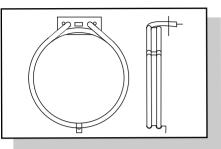
Most popular domestic elements are bought into Australia in the 1000s, however unique heating elements or specialised elements are much more difficult to find. If you have this problem, Romar Elements can help you.



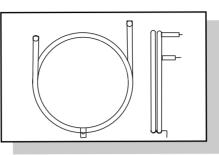
DOMESTIC OVEN



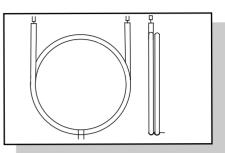
While our specialty is supplying elements that cannot be sourced elsewhere, Romar Elements has a small selection of common domestic oven and stove top coils in stock. Below are our listed stock items:



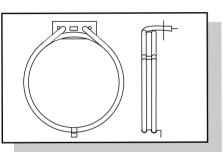
FF001 186mm x 245mm BLANCO 2200W



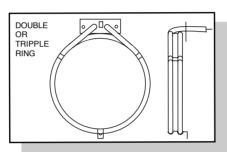
FF002 186mm x 221mm ST GEORGE 2200W



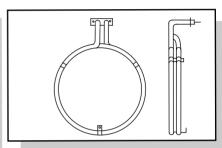
FF003 186mm x 214mm WESTINGHOUSE 2200W



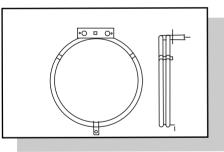
FF004 187mm x 242mm BLANCO 2400W



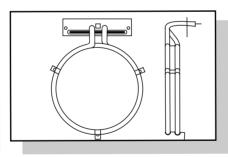
FF005 186mm x 207mm ST GEORGE 2200W



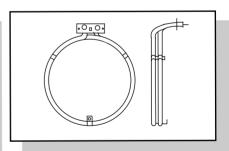
FF006 187mm x 245mm FISHER & PAYKEL 2400W



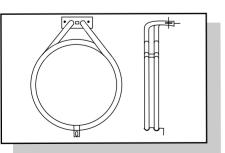
FF007 190mm x 213mm KLEENMAID 2150W



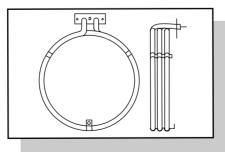
FF008 186mm x 252mm MODERN MAID 2400W



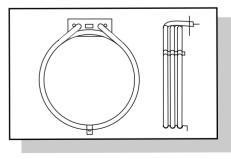
FF009 CHEF 2200W



FF010 180mm x 260mm KLEENMAID 2500W



FF011 186mm x 208mm TECHNICA 2750W

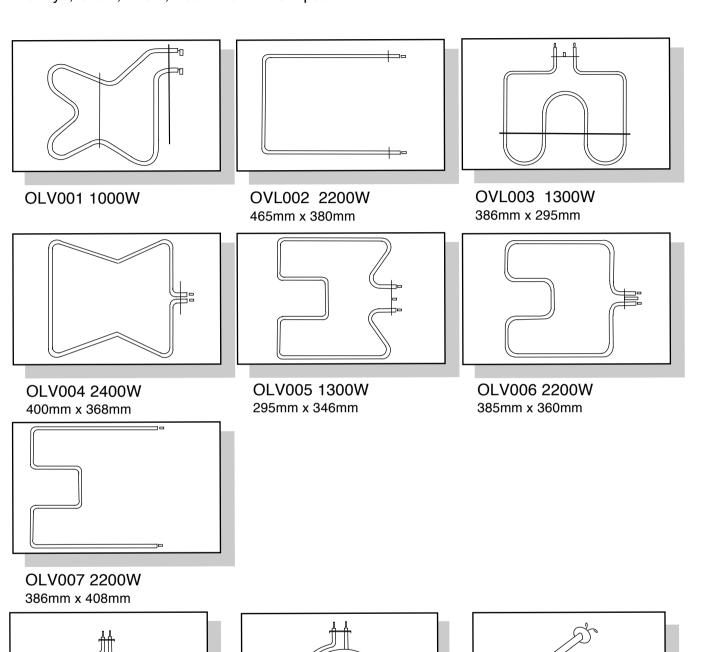


FF012 220mm x 195mm

DOMESTIC OVEN



The products listed below are the lower oven elements for popular bands: Blanco, Chef, Malleys, Glem, Miele, Technika and Simpson.

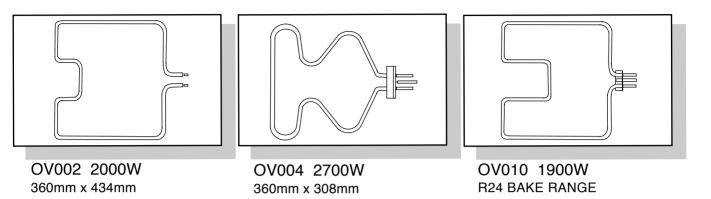


Stove top elements in two sizes: $6^{1/4}$ " and 8" for Chef, Simpson and Modern Maid. We also have some limited stock of Fridgidaire monotube $6^{1/4}$ " and 8". Please contact us for exact models and wattages.

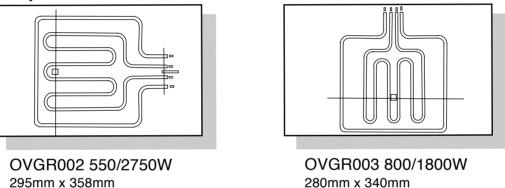
DOMESTIC OVEN



The products listed below are the main oven elements for popular bands: Simpson and Frigidaire.



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



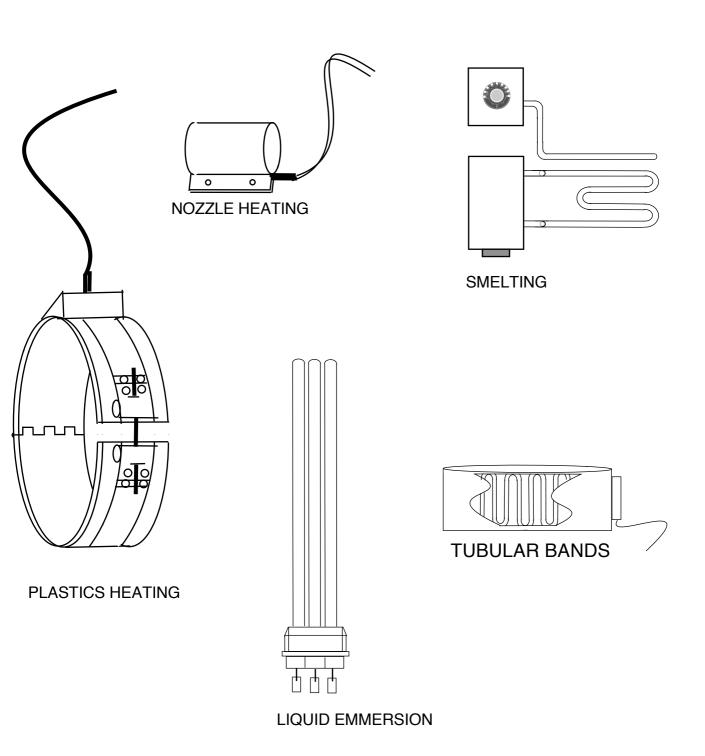
If you would like us to stock an oven element you use regularly please contact Romar Elements to arrange stock.

INDUSTRIAL ELEMENTS



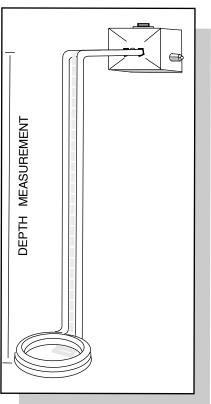
Romar Elements is often called on to create heating elements for industrial markets such as: plastics industry, oil heating and refining industries, wax casting and various smelting industries.

Below are a few of the more common applications:

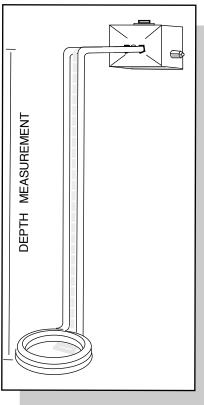




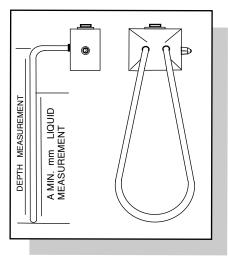
PORTABLE IMMERSION ELEMENTS



FOR HEAVY LIQUID APPLICATIONS 2400W 610mm X7101



FOR WATER APPLICATIONS 2400W 610mm X7100



OVER THE SIDE IMMERSION ELEMENT

OTS001 1000W 540mm 350mm

OTS002 2000W 730mm 500mm

OTS003 3000W 870mm 640mm

OTS004 4000W 1000mm 770mm

OTS005 5000W 1300mm 1070mm

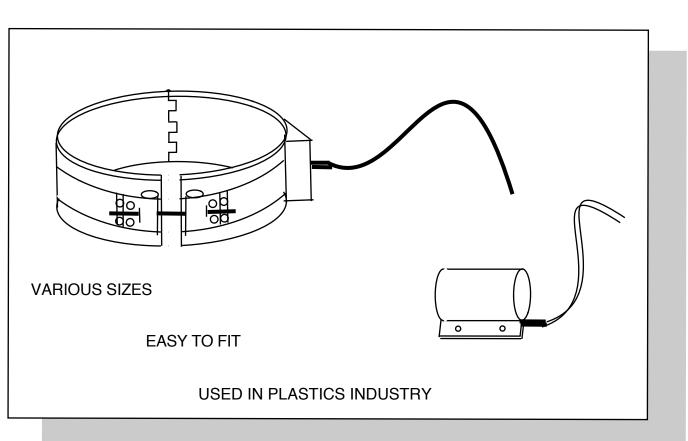
OTS006 6000W 1540mm 1300mm

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.



BAND ELEMENTS



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.

ACCESSORIES



The following pages list our range of accessories for heating applications. Please contact us if you need an accessorie 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

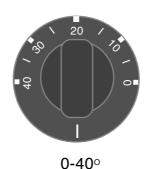
AND MORE...

ACCESSORIES



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.

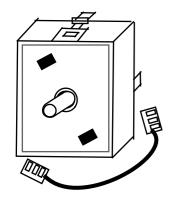






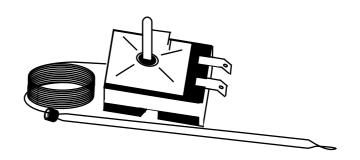
30-1200





ENERGY REGULATORS

50.56078.007 SINGLE POLE



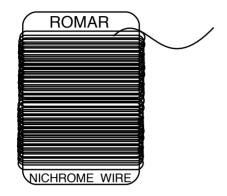
CAPILLARY THERMOSTATS

55.1800.010 0°-40° 16 AMP 55.17022.101 30°-120° 16 AMP

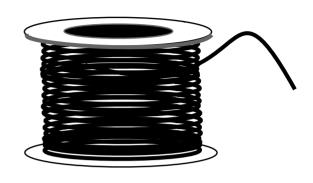
SECTION 6 ACCESSORIES



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5- 10 MTR NICHROME WIRE VARIOUS SIZES

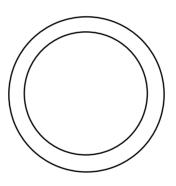


SILICONE CABLE

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

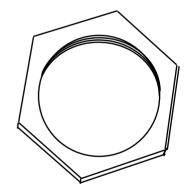


TOGGLE SWITCHES



GASKETS

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



BACK NUTS

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

ROCKER SWITCHES

RED / GREEN SINGLE / DOUBLE

SECTION 6 ACCESSORIES