

# Bray

## Towel Rail Technical Information



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# Towel rails basic information sheet

## General information

White or coloured radiators have a greater heat output than chrome versions.

The Surface on Chrome Radiators will feel very hot at temperatures above 60<sup>0</sup>C.

If the towel rail is the primary heat source, consider installing the largest rail that can fit into the allotted space.  
As hanging towels over the bars will reduce the heat output.

Only clean with a damp cloth. Under no circumstances use an abrasive scourer. Vehicle restoring polish will remove any stubborn marks such as: water stains, scale and dried on soaps etc.

## Central heating rails

All Bray towel rails can be installed into a standard closed central heating system with the addition of corrosion protection additives.

The system should be fully flushed to remove harmful debris.

Bray rails are not suitable for use in open systems. For an open system you must use stainless steel rail, such as the Braddan.

Our towel rails have ½" BSP female threads for use with standard OK radiator valves.

## Dual fuel central heating rails

All Bray towel rails can be used as a dual fuel appliance.

Dual fuel allows the radiator to be heated from a central heated or an electric system.

If you choose to make your towel rail a dual fuel appliance you will need a separate 240v power supply to wire the heating element in to.

We offer various dual fuel kit options for our towel rails with the following elements:

PTC IP67 Heater – simple on/off element with no control.

R3 IPX4 Thermostatic – fully controllable for time and temperature.

## PTC sealed electric towel rails

**Electric towel rails can take 30+ minutes to reach temperature.**

All Bray towel rails can be a sealed PTC electric appliance.

PTC electric rails are IP67 for use in any bathroom zone safely.

Differing wattages can be requested. Please see next page

**We offer a traffic light system with 3 power options for each PTC rail.**



Green: PTC 40°C – 50°C suitable drying towels but not room heating. Considered safe for the elderly and very young



Amber PTC 50°C – 60°C suitable for room heating. Use caution as it will feel hot to the touch.



Red PTC 60°C+ suitable for room heating. Use caution as the surfaces will feel very hot to the touch.

## **R3 thermostatic timed sealed electric towel rails**

R3 electric rails are IPX4 rated. Suitable for use in bathroom zone 1 and above.

All our Bray towel rails can be a sealed R3 thermostatic electric appliance.

R3 elements are available in three power outputs: 300W, 600W and 900W

R3 elements can be used without the remote control as a simple thermostatic Towle Rail, with 2 hour and 4 hour boost functions available.

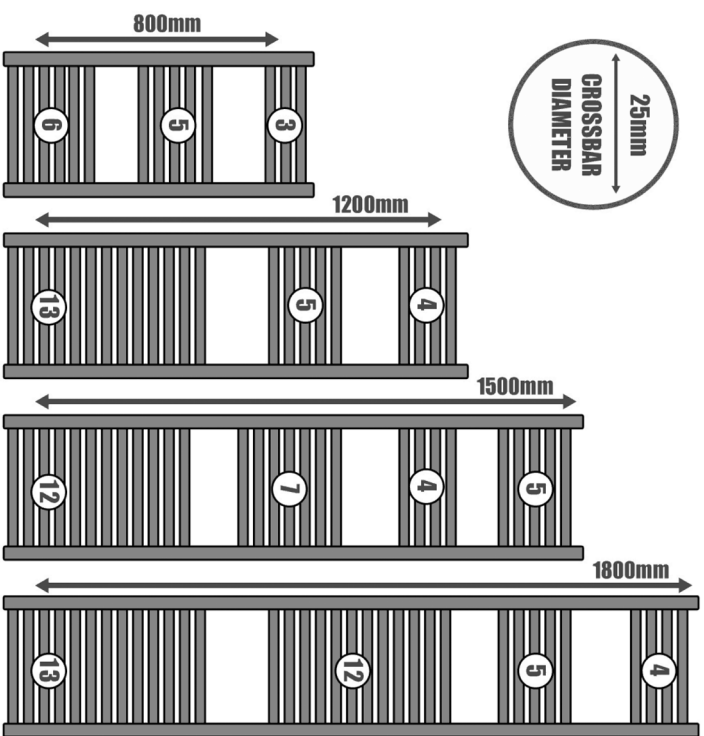
When used with the remote control, the R3 is fully compliant with ErP2018/Lot20. **As per Lot20 regulations, any towel rail used as a primary heat source must be compliant.** The R3 can be programmed 24/7 for either room or surface temperature. The remote has an anti tamper and surface temperature lock.

We strongly recommend using the R3 electric heater over the initially cheaper to purchase PTC option. Using the built-in time control in the R3 could potentially save around £13.50 per month in electricity for a 300W rail. The payback could be as little as 6 months depending on usage.\*

\*Figures based on leaving a standard non-controlled 300W towel rail running continuously for 30 days using £0.125p/kw hour. R3 heater is timed for two 6 hour periods each day for 30 days.

# Bray R3 Data Sheet

Bray R3 straight chrome thermostatic heated towel rails offer unbeatable quality and control. R3 towel warmers comply to ERP LOT 20 energy efficiency regulations enabling the Bray to be used as a bathroom radiator. The R3 has in built timer and thermostat control. With the option to control the room or radiator surface temperature.



|            |                             |
|------------|-----------------------------|
| Model      | SolAire Bray                |
| Style      | Thermostatic Towel Radiator |
| Mount Type | Wall Mounted                |
| Guarantee  | 10 Years ( 2 on element )   |

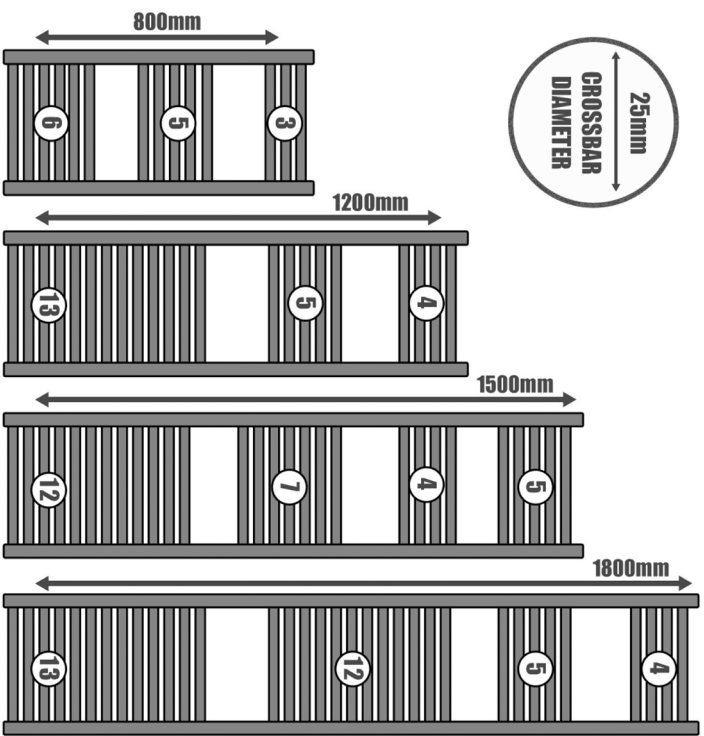
|                  |                     |
|------------------|---------------------|
| IP Rating        | IP64                |
| Flex Length      | 1.5m                |
| Flex Position    | Either Side         |
| Depth            | 120mm               |
| Materials        | Steel               |
| Thermostat Range | 30-70°c (Rail Temp) |
| Bar Diameter     | 25mm                |

| Feature               | Y (Yes) / N (No) |
|-----------------------|------------------|
| Electric Thermostat   | Y                |
| Timer                 | Y                |
| 7 Day programming     | Y                |
| Open Window Detection | Y                |
| Adaptive Start        | N                |
| Remote Control        | Y                |
| Display               | Y                |
| Anti-Tamper Lock      | Y                |
| Prefilled             | Y                |
| Temperature Control   | Y                |
| Frost Protection      | Y                |
| Manual Setting        | Y                |
| Splash Proof          | Y                |

CE approved. BS EN60335-1 ASTM B117 ERP LOT20 Voltage 230/240, Protection IPX4 (zone 1) Insulation Class 1,

Sol\*Aire Heating Products Big Shed, New Row, Eppleby, North Yorkshire, DL11 7AW Email: info@solairehp.co.uk

# Bray PTC Data Sheet



|            |                           |
|------------|---------------------------|
| Model      | SolAire Bray              |
| Style      | Towel Rail                |
| Mount Type | Wall Mounted              |
| Guarantee  | 10 Years ( 2 on element ) |

|               |             |
|---------------|-------------|
| IP Rating     | IP67        |
| Flex Length   | 1.5m        |
| Flex Position | Either Side |
| Depth         | 120mm       |
| Materials     | Steel       |
| Bar Diameter  | 25mm        |

| Feature               | Y (Yes) / N (No) |
|-----------------------|------------------|
| Electric Thermostat   | N                |
| Timer                 | N                |
| 7 Day programming     | N                |
| Open Window Detection | N                |
| Adaptive Start        | N                |
| Remote Control        | N                |
| Display               | N                |
| Anti-Tamper Lock      | N                |
| Prefilled             | Y                |
| Temperature Control   | N                |
| Frost Protection      | N                |
| Manual Setting        | N                |
| Splash Proof          | Y                |

CE approved. BS EN60335-1 ASTM B117

Voltage 230/240

Insulation Class 1,

# Bray 25mmTowel Rails Sizes and Outputs

| Description W X H   | Style    | Btu/hr Δ50 | Green PTC | Amber PTC | Red PTC | R3 Thermostat |
|---------------------|----------|------------|-----------|-----------|---------|---------------|
| Coloured 500 x 800  | Straight | 1749       | 150W      | 200W      | 300W    | 300W          |
| Coloured 500 x 1200 | Straight | 2298       | 200W      | 300W      | 400W    | 600W          |
| Coloured 500 x 1500 | Straight | 2716       | 300W      | 400W      | 500W    | 600W          |

| Description W X H | Style    | Btu/hr Δ50 | Green PTC | Amber PTC | Red PTC | R3 Thermostat |
|-------------------|----------|------------|-----------|-----------|---------|---------------|
| White 300 x 800   | Straight | 1352       | 100W      | 150W      | 200W    | 300W          |
| White 400 x 800   | Straight | 1541       | 100W      | 150W      | 200W    | 300W          |
| White 500 x 800   | Straight | 1749       | 150W      | 200W      | 300W    | 300W          |
| White 600 x 800   | Straight | 1922       | 150W      | 200W      | 300W    | 300W          |
| White 300 x 1200  | Straight | 1655       | 150W      | 200W      | 300W    | 300W          |
| White 400 x 1200  | Straight | 1787       | 150W      | 200W      | 300W    | 300W          |
| White 500 x 1200  | Straight | 2298       | 200W      | 300W      | 400W    | 600W          |
| White 600 x 1200  | Straight | 2443       | 200W      | 300W      | 400W    | 600W          |
| White 400 x 1500  | Straight | 2496       | 200W      | 300W      | 400W    | 600W          |
| White 500 x 1500  | Straight | 2716       | 300W      | 400W      | 500W    | 600W          |
| White 600 x 1500  | Straight | 2860       | 300W      | 400W      | 500W    | 600W          |
| White 400 x 1800  | Straight | 3019       | 300W      | 400W      | 500W    | 600W          |
| White 500 x 1800  | Straight | 3386       | 300W      | 500W      | 600W    | 600W          |
| White 600 x 1800  | Straight | 3618       | 400W      | 500W      | 600W    | 900W          |

| Description W X H | Style  | Btu/hr Δ50 | Green PTC | Amber PTC | Red PTC | R3 Thermostat |
|-------------------|--------|------------|-----------|-----------|---------|---------------|
| White 500 x 800   | Curved | 1749       | 150W      | 200W      | 300W    | 300W          |
| White 600 x 800   | Curved | 1922       | 150W      | 200W      | 300W    | 300W          |
| White 500 x 1200  | Curved | 2298       | 200W      | 300W      | 400W    | 600W          |
| White 600 x 1200  | Curved | 2443       | 200W      | 300W      | 400W    | 600W          |
| White 500 x 1800  | Curved | 3386       | 300W      | 500W      | 500W    | 600W          |
| White 600 x 1800  | Curved | 3618       | 400W      | 500W      | 600W    | 900W          |

| Description W X H | Style    | Btu/hr Δ50 | Green PTC | Amber PTC | Red PTC | R3 Thermostat |
|-------------------|----------|------------|-----------|-----------|---------|---------------|
| Chrome 300 x 800  | Straight | 1109       | 100W      | 150W      | 200W    | 300W          |
| Chrome 400 x 800  | Straight | 1263       | 100W      | 150W      | 200W    | 300W          |
| Chrome 500 x 800  | Straight | 1434       | 150W      | 200W      | 300W    | 300W          |
| Chrome 600 x 800  | Straight | 1672       | 150W      | 200W      | 300W    | 300W          |
| Chrome 300 x 1200 | Straight | 1572       | 150W      | 200W      | 300W    | 300W          |
| Chrome 400 x 1200 | Straight | 1731       | 150W      | 200W      | 300W    | 300W          |
| Chrome 500 x 1200 | Straight | 2002       | 200W      | 300W      | 400W    | 600W          |
| Chrome 600 x 1200 | Straight | 2216       | 200W      | 300W      | 400W    | 600W          |
| Chrome 500 x 1500 | Straight | 2481       | 300W      | 400W      | 500W    | 600W          |
| Chrome 600 x 1500 | Straight | 2566       | 300W      | 400W      | 500W    | 600W          |
| Chrome 400 x 1800 | Straight | 2827       | 300W      | 400W      | 500W    | 600W          |
| Chrome 500 x 1800 | Straight | 3006       | 300W      | 500W      | 600W    | 600W          |
| Chrome 600 x 1800 | Straight | 3361       | 400W      | 500W      | 600W    | 600W          |

| Description W X H | Style  | Btu/hr Δ50 | Green PTC | Amber PTC | Red PTC | R3 Thermostat |
|-------------------|--------|------------|-----------|-----------|---------|---------------|
| Chrome 500 x 800  | Curved | 1434       | 150W      | 200W      | 300W    | 300W          |
| Chrome 600 x 800  | Curved | 1672       | 150W      | 200W      | 300W    | 300W          |
| Chrome 500 x 1200 | Curved | 2002       | 200W      | 300W      | 400W    | 600W          |
| Chrome 600 x 1200 | Curved | 2216       | 200W      | 300W      | 400W    | 600W          |
| Chrome 500 x 1500 | Curved | 2481       | 300W      | 400W      | 500W    | 600W          |
| Chrome 600 x 1500 | Curved | 2566       | 300W      | 400W      | 500W    | 600W          |
| Chrome 500 x 1800 | Curved | 3006       | 300W      | 500W      | 600W    | 600W          |
| Chrome 600 x 1800 | Curved | 3361       | 400W      | 500W      | 600W    | 600W          |

# **Bray Towel Rail Fixing**

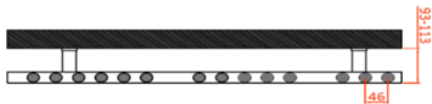
The Bray towel rail is supplied with 4 adjustable wall brackets and fixings/wall plugs to suit. Enabling installation on an uneven wall.

We suggest that the brackets are sited one space down from the top and one space up from the bottom.

Electric Bray towel rails must be installed by a qualified professional to all of the current regulations.

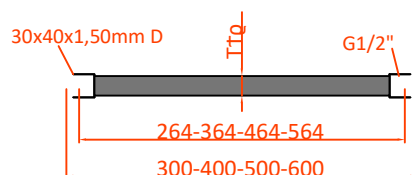
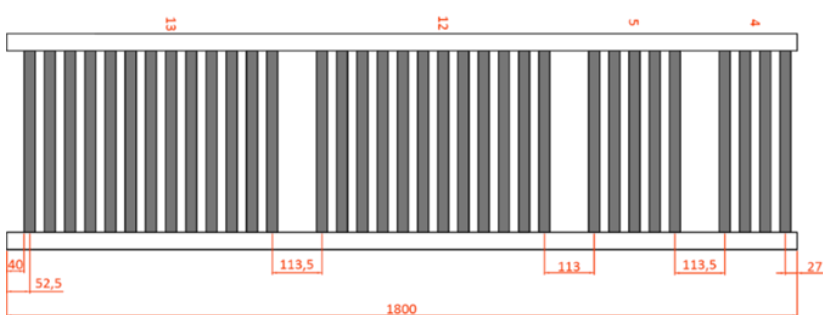
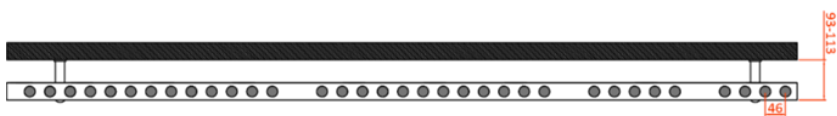
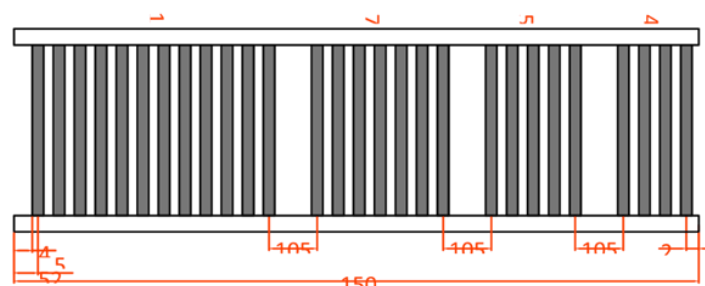
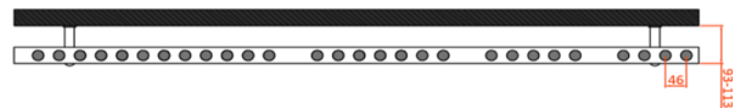
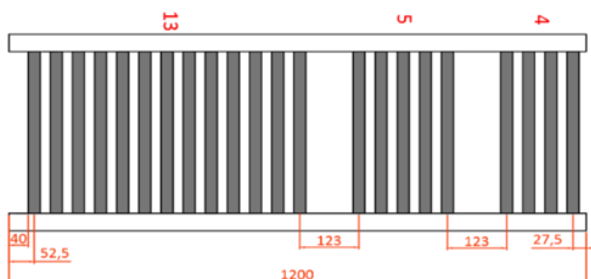
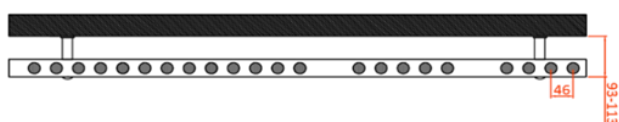
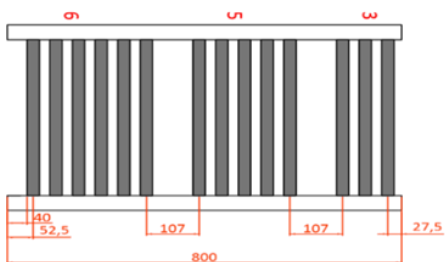
Before installing a Bray towel rail in your central heating circuit, the system must be flushed and corrosion inhibitors are added.

1. Mark out the wall position for the brackets. When you are completely happy drill and plug the wall.
2. Fix the rear part of the bracket to the wall using the long screws provided. Make sure all the rear brackets are level.
3. Fit the 4 x brackets to the towel rail. The brackets are supplied assembled so you can easily see how they come apart and fit between the rails. Do not over tighten the screws holding the front bracket to the rear bracket. This will distort it and make it difficult to fit the decorative cap.
4. Lift the towel rail into position and allow the brackets fitted to the rail to slide into the brackets fixed to the wall. When you are happy use the 4 x retaining screws to secure both parts together.
5. PTC electric rails are filled and the element is fitted. If you want a curved PTC rail, please specify the element position either left or right hand.
6. R3 thermostatic electric rails are filled and blanked off, with the element supplied separately. This is purely down to the excessive risks of transport damages. The R3 rail will be supplied with a full installation instruction.



## Bray 25mm towel rail schematics.

Curved rails are the same with the addition of a 10mm radius to the front



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***Heating inset for towel rails and water-filled radiators***

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EN 60335-1:2012/A11:2014  
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