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## Bonnet Socket R10000

# Bonnet Socket R10000 Bonnet Wrench Instruction Manual

Model: R10000 | Brand: Bonnet Socket

## 1. INTRODUCTION

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This manual provides instructions for the proper use and maintenance of the Bonnet Socket R10000 Bonnet Wrench. This tool is designed to simplify the process of removing and installing bonnet nuts on specific shower valve models, ensuring a secure grip and preventing damage during cartridge replacement or repair.

## 2. PRODUCT OVERVIEW

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The Bonnet Socket R10000 is a specialized wrench crafted from lightweight, heavy-duty aluminum. It features a dual-sided, open-end design to accommodate both nickel-plated and older brass bonnet nuts found on compatible shower valves. Its precise fit ensures even pressure distribution, which is crucial for preventing damage to the bonnet nut and valve body during operation.



Figure 2.1: The Bonnet Socket R10000 Bonnet Wrench. This image shows the full tool, highlighting its aluminum construction and the red handle with the brand logo.

### 3. COMPATIBILITY

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This bonnet wrench is specifically designed for use with the following shower valve series:

- **Delta:** R10000, 1300 series, 1700 series
- **Brizo:** R60000
- **Peerless:** R10000

Ensure your shower valve model matches one of the listed compatible series before use.

### 4. SETUP AND OPERATING INSTRUCTIONS

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The Bonnet Socket R10000 is designed for straightforward operation. Follow these steps for effective use:

1. **Identify the Bonnet Nut:** Locate the bonnet nut on your shower valve. This nut secures the cartridge in place.
2. **Select the Correct Side:** The wrench has two open ends. Determine which side fits your bonnet nut. One side is typically for nickel-plated nuts, and the other for older brass nuts.
3. **Position the Wrench:** Carefully place the appropriate open end of the wrench around the bonnet nut, ensuring a snug fit. The wrench is designed to grip with even pressure.
4. **Secure the Wrench (if applicable):** Some bonnet wrenches may feature a mechanism to tighten the grip (e.g., an Allen key slot). If present, gently tighten to secure the wrench to the nut.
5. **Turn the Wrench:** Apply steady, firm pressure to turn the wrench counter-clockwise to loosen the bonnet nut for removal. To install, turn clockwise to tighten. Avoid excessive force, as the tool's design minimizes the need for it.
6. **Remove/Install Cartridge:** Once the bonnet nut is sufficiently loosened or removed, proceed with cartridge removal or installation as per your shower valve's specific instructions.
7. **Re-tighten Bonnet Nut:** After installing a new cartridge, place the bonnet nut back and use the wrench to

tighten it clockwise until snug. Do not overtighten.



Figure 4.1: Detail of the Bonnet Wrench's open end, illustrating how it engages with a bonnet nut. This image highlights the precision fit for different nut types.

## 5. MAINTENANCE

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The Bonnet Socket R10000 Bonnet Wrench requires minimal maintenance. To ensure its longevity and proper function:

- **Cleaning:** After each use, wipe the wrench clean with a dry cloth to remove any water, debris, or residue.
- **Storage:** Store the tool in a dry place to prevent corrosion, although aluminum is highly resistant to rust.
- **Inspection:** Periodically inspect the wrench for any signs of damage or wear. If the gripping surfaces appear worn or damaged, the tool's effectiveness may be compromised.

## 6. TROUBLESHOOTING

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If you encounter difficulties while using the Bonnet Socket R10000, consider the following:

- **Wrench does not fit the bonnet nut:**
  - Ensure you are using the correct side of the dual-sided wrench for your specific bonnet nut (nickel-plated vs. brass).
  - Verify that your shower valve is one of the compatible models listed in Section 3. This tool is designed for specific Delta, Brizo, and Peerless models.
  - Inspect the bonnet nut for any warping or damage that might prevent the wrench from seating properly.
- **Bonnet nut is difficult to loosen:**
  - Ensure the wrench is fully seated and gripping the nut evenly.
  - Apply steady, increasing pressure. Avoid sudden jerking motions.
  - For extremely stubborn nuts, a penetrating lubricant designed for plumbing applications may be applied, following the lubricant manufacturer's instructions. Allow sufficient time for the lubricant to work before attempting to turn the nut again.
- **Damage to bonnet nut or valve:**
  - The wrench is designed to minimize damage. If damage occurs, it may indicate improper tool application, an incompatible valve, or a severely corroded/damaged bonnet nut.
  - Always ensure the wrench is fully engaged before applying torque.

## 7. SPECIFICATIONS

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Feature	Specification
Brand	Bonnet Socket
Model Number	R10000
Material	Aluminum
Color	Aluminum
Item Length	8 Inches
Item Weight	15 ounces
Head Style	Open End
Operation Mode	Mechanical
Compatibility	Delta R10000/1300/1700 series, Brizo R60000, Peerless R10000

## 8. WARRANTY INFORMATION

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Specific warranty details for the Bonnet Socket R10000 Bonnet Wrench are not provided in the product information. Please refer to the manufacturer's official website or contact their customer support for current warranty terms and conditions.

## 9. SUPPORT

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For further assistance, technical support, or inquiries regarding the Bonnet Socket R10000 Bonnet Wrench, please contact Bonnet Socket customer service. Contact information can typically be found on the product packaging or the manufacturer's official website.