

Performance Tool W80275

# Performance Tool W80275 10-Piece Metric T-Handle Hex Key Set

Instruction Manual

## 1. PRODUCT OVERVIEW

The Performance Tool W80275 is a 10-piece metric T-handle hex key set designed for various fastening and unfastening tasks. This set provides a range of metric sizes from 2mm to 10mm, making it suitable for a wide array of applications in automotive, home, and workshop environments. The T-handle design enhances grip and leverage, while the durable construction ensures reliable performance.



Image 1.1: The complete Performance Tool W80275 10-piece metric T-handle hex key set, including the storage rack.

### Key Features:

- **Durable Construction:** Heat-treated alloy carbon steel shafts for extended tool life.
- **Ergonomic Grip:** PVC T-handles provide comfort and increased turning power.
- **Corrosion Resistance:** Black oxide finish on the hex keys helps resist corrosion.
- **Convenient Storage:** Includes a bonus storage rack for organization and easy access.
- **Metric Sizes:** Contains 10 metric sizes ranging from 2mm to 10mm.

## 2. PACKAGE CONTENTS

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Verify that all items are present in the package:

- 10 x Metric T-Handle Hex Keys (sizes: 2mm, 2.5mm, 3mm, 4mm, 4.5mm, 5mm, 5.5mm, 6mm, 8mm, 10mm)
- 1 x Storage Rack

## 3. SETUP

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The included storage rack helps keep your hex keys organized and easily accessible. The rack can be mounted to a wall or workbench.

### Mounting the Storage Rack:

1. Select a suitable location on a wall or workbench that is sturdy and provides easy access to the tools.
2. Use the pre-drilled holes on the storage rack as a template to mark the drilling points on your chosen surface.
3. Drill pilot holes if necessary, appropriate for your mounting hardware (screws not included).
4. Secure the storage rack to the surface using appropriate screws. Ensure the rack is firmly attached before placing the hex keys.
5. Insert each T-handle hex key into its designated slot on the rack. The sizes are typically marked on the rack for easy identification.



Image 3.1: The T-handle hex key set organized in its storage rack, highlighting the long arm design for extended reach.

## 4. OPERATING INSTRUCTIONS

These T-handle hex keys are designed for tightening and loosening fasteners with hexagonal sockets.

### Using the Hex Keys:

1. **Select the Correct Size:** Identify the correct metric hex key size that matches the fastener. Using an incorrect size can strip the fastener or damage the tool.
2. **Insert the Key:** Insert the hex key fully into the fastener's socket. Ensure a snug fit to prevent slippage.
3. **Apply Torque:** Grip the T-handle firmly. For tightening, turn clockwise. For loosening, turn counter-clockwise. The T-handle design allows for increased leverage and comfortable application of torque.
4. **Accessing Tight Spaces:** The long arm design of these hex keys provides extended reach, making it easier to access fasteners in confined or recessed areas.
5. **Avoid Over-tightening:** Apply appropriate force. Over-tightening can damage fasteners or the hex key.

- Plastic grips that provide added comfort and turning power, making it easy to use
- This set includes 10 metric sizes ranging from 2mm to 10mm, making it perfect for a wide range of applications



*Performance Tool®*

Image 4.1: A hand demonstrating the use of a T-handle hex key to tighten a fastener, illustrating the comfortable grip.

## 5. MAINTENANCE

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Proper maintenance ensures the longevity and optimal performance of your hex key set.

- **Cleaning:** After each use, wipe down the hex keys with a clean, dry cloth to remove any dirt, grease, or debris.
- **Corrosion Protection:** The black oxide finish provides some corrosion resistance. For prolonged storage or use in humid environments, a light coat of rust-preventative oil can be applied to the metal shafts.
- **Storage:** Always store the hex keys in their designated slots on the storage rack. This prevents loss, keeps them organized, and protects them from damage. Store in a dry environment.
- **Inspection:** Periodically inspect the hex keys for any signs of wear, bending, or damage to the tips. Discontinue use of any damaged tools to prevent injury or fastener damage.



Image 5.1: A detailed view of a T-handle hex key, illustrating the heat-treated alloy steel shaft for durability.

## 6. TROUBLESHOOTING

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Most issues with hex keys relate to improper use or selection.

- **Hex Key Slipping:**
  - Ensure you are using the correct size hex key for the fastener.
  - Make sure the hex key is fully seated in the fastener's socket.
  - Check if the hex key tip is worn or rounded; replace if necessary.
- **Fastener Stripping:**
  - This often occurs from using an incorrect size hex key or applying excessive torque.
  - Ensure the hex key is fully engaged before applying force.
- **Difficulty Loosening a Tight Fastener:**
  - Ensure a firm grip on the T-handle for maximum leverage.
  - For extremely tight fasteners, consider using a penetrating oil or a different tool designed for higher torque applications, if appropriate for the fastener type.

## 7. SPECIFICATIONS

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|--------------|---|
| Model Number | W80275  |
| Brand        | Performance Tool  |
| Set Type     | 10-Piece Metric T-Handle Hex Key Set                    |
| Material     | Heat-treated Alloy Carbon Steel (shafts), PVC (handles) |
| Finish       | Black Oxide   |

|                       |   |
|-----------------------|---|
| <b>Sizes Included</b> | 2mm, 2.5mm, 3mm, 4mm, 4.5mm, 5mm, 5.5mm, 6mm, 8mm, 10mm |
| <b>Head Style</b>     | Hex   |
| <b>Item Weight</b>    | 1.6 ounces (approximate, for individual key)            |

## 8. WARRANTY AND SUPPORT

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For specific warranty information or technical support regarding your Performance Tool W80275 T-Handle Hex Key Set, please refer to the official Performance Tool website or contact their customer service department. You can typically find contact details and warranty policies on the manufacturer's official website:

[Visit the Performance Tool Store](#)