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Wiltec 61287

Wiltec 11-Piece T-Handle Hex Key Set Instruction Manual

INTRODUCTION

Thank you for choosing the Wiltec 11-Piece T-Handle Hex Key Set. This manual provides essential information for the safe and effective use, setup, and maintenance of your new tool set. Please read these instructions carefully before use and retain them for future reference.

PRODUCT OVERVIEW

This high-quality hex key set, including a convenient storage stand, is designed for both DIY enthusiasts and professional craftsmen. The tools are constructed from robust chrome vanadium steel, ensuring high breaking strength and comfortable handling. The practical T-shaped cross handle and thermoplastic rubber grips facilitate maximum power transmission and provide a secure, comfortable grip.



Image: The complete Wiltec 11-piece T-handle hex key set, neatly organized in its black storage stand.

Key Features:

- **Material:** Solid Chrome Vanadium Steel for durability.
- **Handle Design:** Ergonomic T-handle with thermoplastic rubber grips for enhanced comfort and torque.
- **Precision:** Guaranteed dimensional accuracy for reliable fastening.
- **Storage:** Includes a practical stand for secure storage and easy transport.

Set Contents:

The set includes 10 hex keys and 1 storage stand. The hex key sizes are:

- **Short Length (approx. 15 cm):** 2 mm, 2.5 mm, 3 mm, 4 mm
- **Medium Length (approx. 21 cm):** 4.5 mm, 5 mm, 5.5 mm
- **Long Length (approx. 28 cm):** 6 mm, 8 mm, 10 mm



Image: Detailed view of the hex keys, illustrating the chrome vanadium steel construction, T-handle design, and various sizes.

SETUP

The Wiltec T-Handle Hex Key Set comes pre-assembled in its storage stand. No complex setup is required.

1. **Unpacking:** Carefully remove the hex key set from its packaging.
2. **Inspection:** Inspect all hex keys and the stand for any signs of damage during transit. If any damage is found, do not use the product and contact customer support.
3. **Placement:** Place the stand on a stable, flat surface in your workshop or storage area. The stand is designed to keep the keys organized by size for easy access.



Image: Close-up of the storage stand, showing the clearly marked sizes for each hex key slot.

OPERATING INSTRUCTIONS

Using the T-handle hex keys effectively requires proper selection and technique.

1. **Select the Correct Size:** Always choose the hex key that perfectly fits the fastener. Using an incorrect size can strip the fastener head or damage the key. The stand has clear size markings to assist you.
2. **Insert the Key:** Fully insert the hex end of the key into the fastener head. Ensure it is seated completely to prevent slippage.
3. **Grip the T-Handle:** Hold the T-handle firmly with one or both hands. The thermoplastic rubber grips provide a comfortable and secure hold.
4. **Apply Torque:**
 - **For Loosening:** Apply steady, counter-clockwise pressure. If the fastener is tight, apply gradual, increasing force.
 - **For Tightening:** Apply steady, clockwise pressure. Avoid over-tightening, which can damage the fastener or the material.
5. **Using the Long Shaft:** For fasteners in recessed areas, use the longer shaft of the hex key. The T-handle provides leverage even when the shaft is extended.
6. **Ball End (if applicable):** Some hex keys may feature a ball end on the longer shaft, allowing for angled entry into the fastener head (up to 25 degrees). Use the straight end for maximum torque and to prevent rounding.

Safety Precaution: Always wear appropriate personal protective equipment, such as safety glasses, when using hand tools.

MAINTENANCE

Proper maintenance will extend the life of your Wiltec hex key set.

- **Cleaning:** After each use, wipe down the hex keys with a clean, dry cloth to remove dirt, grease, or debris. For stubborn grime, a mild degreaser can be used, followed by thorough drying.
- **Lubrication:** Periodically apply a light coat of rust-preventative oil to the metal shafts of the hex keys, especially if stored in a humid environment. Wipe off any excess.
- **Storage:** Always return the hex keys to their designated slots in the storage stand. Store the set in a dry, clean environment, away from direct sunlight and extreme temperatures.
- **Inspection:** Regularly inspect the hex keys for signs of wear, such as rounded edges, bends, or cracks. Damaged keys should be replaced immediately to prevent injury or damage to fasteners.

TROUBLESHOOTING

Here are some common issues and their solutions when using hex keys:

Problem	Possible Cause	Solution
Hex key slips or rounds the fastener head.	Incorrect key size; key not fully inserted; excessive force; worn key.	Ensure correct key size. Fully insert the key. Apply steady, controlled force. Replace worn keys.
Fastener is stuck or difficult to turn.	Rust or corrosion; over-tightened; thread locker applied.	Apply penetrating oil and allow it to soak. Use a rubber mallet to tap the key gently while turning. For thread locker, heat may be required (use caution).

Problem	Possible Cause	Solution
Hex key bends or breaks.	Excessive force; prying with the key; manufacturing defect.	Do not use excessive force beyond the tool's design. Never use hex keys as pry bars. Replace damaged keys. Contact customer support if a defect is suspected.

SPECIFICATIONS

Attribute	Detail
Manufacturer	WilTec
Model Number	61287
Product Dimensions (Set)	20.8 x 7.8 x 27.5 cm
Item Weight	1.2 kg
Material	Chrome Vanadium Steel
Finish	Chrome
Number of Pieces	11 (10 hex keys + 1 stand)
Key Sizes Included	2, 2.5, 3, 4, 4.5, 5, 5.5, 6, 8, 10 mm
Handle Type	T-Handle with Thermoplastic Rubber Grips
Batteries Required	No

WARRANTY INFORMATION

For detailed warranty information regarding your Wiltec 11-Piece T-Handle Hex Key Set, please refer to the official Wiltec website or contact their customer service directly. Warranty terms and conditions may vary by region and purchase date.

CUSTOMER SUPPORT

Should you have any questions, require technical assistance, or need to report an issue with your Wiltec product, please visit the official Wiltec website for contact information or reach out to the retailer from whom you purchased the product.