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› Wiha 28781 Insulated TorqueVario-S and SlimLine Blade Set Instruction Manual

Wiha 28781

Wiha 28781 Insulated TorqueVario-S and SlimLine Blade Set Instruction Manual

Model: 28781 | Brand: Wiha

INTRODUCTION

This manual provides essential information for the safe and effective use of your Wiha 28781 20-Piece Insulated TorqueVario-S and SlimLine Blade Set. Please read these instructions carefully before operation and retain for future reference.

Key Features:

- Comprehensive set including Slotted, Phillips, Square, Torx, and Xeno Slotted/Phillips blades.
- Individually tested to 10,000 volts AC and rated to 1,000 volts AC for enhanced safety.
- Adjustable TorqueVario-S handle with clear setting view port.
- Audible and perceptible click mechanism for precise torque application.
- Individual Serial Numbers and Certificate of Calibration Accuracy for quality assurance.

PRODUCT OVERVIEW



Figure 1: The complete Wiha 28781 set displayed in its protective roll-up pouch, showcasing the TorqueVario-S handle and various SlimLine blades.



Figure 2: A detailed view of the SlimLine insulated blades, highlighting their narrow diameter for access in confined spaces.



Figure 3: Close-up of the TorqueVario-S handle, showing the adjustable torque setting mechanism (10-50 In/lbs) and clear viewing window.

SETUP

1. **Unpack the Set:** Carefully remove all components from the roll-up pouch.
2. **Inspect Components:** Before first use, inspect the TorqueVario-S handle and all SlimLine blades for any signs of damage or wear. Do not use damaged tools.
3. **Select the Correct Blade:** Choose the appropriate SlimLine blade for the fastener type and size.
4. **Insert Blade into Handle:** Insert the selected SlimLine blade into the TorqueVario-S handle. Ensure it clicks securely into place.
5. **Set Torque Value:** Adjust the torque setting on the TorqueVario-S handle to the required value (10-50 In/lbs) using the view port. Refer to the specific application's torque requirements.

OPERATING INSTRUCTIONS

1. **Safety First:** Always ensure the power is off and verified before working on electrical components. The insulation provides protection against accidental contact with live parts, but it is not a substitute for proper lockout/tagout procedures.
2. **Apply Torque:** Place the blade tip firmly into the fastener head. Turn the handle clockwise for tightening or counter-clockwise for loosening.

3. **Audible Click:** Continue turning until an audible and perceptible click is felt and heard. This indicates that the preset torque limit has been reached. Stop applying force immediately after the click.
4. **Removing the Blade:** To remove a SlimLine blade, pull back the collar on the TorqueVario-S handle and extract the blade.

Your browser does not support the video tag.

Video 1: This video demonstrates the proper use of the Wiha TorqueVario-S for achieving precise torque, highlighting its features and benefits for professional applications.

MAINTENANCE

- **Cleaning:** Clean the tools regularly with a soft, dry cloth. Do not use abrasive cleaners or solvents that could damage the insulation or calibration.
- **Storage:** Store the TorqueVario-S handle and SlimLine blades in the provided roll-up pouch in a dry, clean environment to protect them from damage and corrosion.
- **Calibration:** The TorqueVario-S handle is a precision instrument. It is recommended to have it recalibrated periodically by an authorized service center to maintain accuracy. Refer to the included Certificate of Calibration Accuracy for details.
- **Inspection:** Regularly inspect the insulation on the blades and handle for cracks, cuts, or other damage. Discontinue use immediately if any damage is observed and replace the affected component.

TROUBLESHOOTING

| Problem | Possible Cause | Solution |
|--|--|--|
| Torque click not felt/heard. | Incorrect torque setting, tool not properly engaged. | Verify torque setting. Ensure blade is fully seated in fastener. Apply steady, even pressure. |
| Blade slips from fastener. | Incorrect blade size/type, worn blade tip, improper technique. | Use correct blade for fastener. Replace worn blades. Apply firm, axial pressure while turning. |
| Blade does not securely fit in handle. | Debris in handle, damaged blade base or handle mechanism. | Clean handle receptacle. Inspect blade base for damage. If problem persists, contact support. |

SPECIFICATIONS

| Feature | Detail |
|-------------------|---|
| Model Number | 28781 |
| Set Contents | 20-Piece: TorqueVario-S Handle, SlimLine Blades (Slotted 2.5, 3.5, 4.0, 6.5mm; Phillips #1, #2 (QTY 2 of #2); Square #1, #2; Torx T10, T15, T20, T25; Xeno Slotted/Phillips #1, #2) |
| Torque Range | 10-50 In/lbs |
| Insulation Rating | 1,000 Volts AC (Individually tested to 10,000 Volts AC) |
| Material | Molybdenum-Vanadium Tool Steel (Blades), Blend (Handle) |
| Manufacturer | Willi Hahn Corporation |
| Origin | Made in Germany |

SAFETY INFORMATION

WARNING: Always wear appropriate personal protective equipment (PPE) when working with tools, especially around electrical systems. These insulated tools are designed to reduce the risk of electrical shock, but they do not eliminate it. Always de-energize circuits and verify with a voltage tester before beginning work.

- Do not use tools if insulation is damaged.
- Do not expose tools to excessive heat or chemicals.
- Use only for intended applications within the rated voltage.

WARRANTY AND SUPPORT

The Wiha 28781 set comes with a Certificate of Calibration Accuracy, ensuring its precision and reliability. Wiha tools are known for their quality and durability. For specific warranty details or technical support, please refer to the official Wiha website or contact your authorized dealer.