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## TILSWALL ZYY-DMZH-8V-UK

# Tilswall 8V Cordless Rotary Tool Kit User Manual

Model: ZYY-DMZH-8V-UK | Brand: TILSWALL

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## 1. PRODUCT OVERVIEW

The Tilswall 8V Cordless Rotary Tool Kit is a versatile and powerful multi-purpose tool designed for various DIY tasks, including sanding, polishing, drilling, cutting, carving, and grinding. Its robust 8V motor delivers strong performance, comparable to higher voltage tools, while maintaining a lightweight and comfortable design. Equipped with a long-lasting 2200mAh battery and 5-speed settings, this tool offers flexibility and precision for a wide range of applications.



Image: The Tilswall 8V Cordless Rotary Tool shown with its comprehensive set of 105 accessories, including various bits for sanding, polishing, cutting, and more, along with the USB-C charging cable.

## 2. IMPORTANT SAFETY INFORMATION

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Always observe the following safety precautions when operating the Tilswall 8V Cordless Rotary Tool to prevent injury or damage to the tool.

- **Eye Protection:** Always wear safety glasses or goggles to protect your eyes from flying debris.
- **Work Area:** Ensure your work area is clean, well-lit, and free from clutter. Keep children and bystanders away.
- **Secure Workpiece:** Always secure the workpiece firmly with clamps or a vise. Do not hold it by hand.
- **Proper Ventilation:** Work in a well-ventilated area, especially when working with materials that produce dust or fumes.
- **Avoid Loose Clothing:** Do not wear loose clothing, jewelry, or long hair that could get caught in moving parts.
- **Tool Condition:** Inspect the tool and accessories for damage before each use. Do not use if damaged.
- **Correct Accessories:** Use only accessories designed for rotary tools and ensure they are properly installed.

- **Battery Safety:** Use only the provided charging cable. Do not expose the battery to extreme temperatures or disassemble it.
- **Automatic Protection:** The tool features automatic power-off protection if the motor stalls. Clear the obstruction before resuming operation.

### 3. PACKAGE CONTENTS

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Upon opening your Tilswall 8V Cordless Rotary Tool Kit, please verify that all the following items are included:

- Tilswall 8V Cordless Rotary Tool (x1)
- Rotary Tool Accessories (105 pieces)
- Type-C Charging Cable (x1)
- User Manual (x1)



Image: A visual representation of the Tilswall 8V Cordless Rotary Tool alongside its extensive collection of 105 accessories, neatly organized, and the Type-C charging cable.

### 4. SETUP AND CHARGING

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#### 4.1 Initial Charging

Before first use, fully charge the rotary tool's internal 2200mAh battery. Use the provided Type-C charging cable and connect it to a compatible USB power adapter (not included). A full charge typically takes approximately 1 hour and 40 minutes. The 5 LED status display will indicate charging progress and battery level.



Image: The Tilswall Rotary Tool highlighting its 2200mAh long-lasting battery, with a graphic indicating approximately 60 minutes of runtime, emphasizing its extended usage capability.

## 4.2 Attaching Accessories

To attach an accessory:

1. Ensure the tool is turned off.
2. Locate the collet nut at the tip of the tool.
3. Press and hold the collet lock button (if present) to prevent the shaft from rotating.
4. Unscrew the collet nut.
5. Insert the desired accessory shank fully into the collet.
6. Tighten the collet nut securely by hand. Do not overtighten.
7. Release the collet lock button.

## 5. OPERATING INSTRUCTIONS

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### 5.1 Powering On/Off

To turn the tool ON, press and hold the single power button for several seconds until the motor starts and the LED display illuminates. To turn the tool OFF, press and hold the power button again for a few seconds.

### 5.2 Speed Adjustment

The Tilswall rotary tool features 5 distinct speed settings, ranging from 5000 RPM to 25000 RPM. Once the tool is ON, press the power button briefly to cycle through the speed settings. The 5 LED status display will indicate the current speed level.

**Level 1:** 5000 RPM

**Level 2:** 10000 RPM

**Level 3:** 15000 RPM

**Level 4:** 20000 RPM

**Level 5:** 25000 RPM (Maximum)



Image: The Tilswall Rotary Tool illustrating its 5-speed adjustment feature, showing the LED indicators corresponding to speeds from 5000 RPM to 25000 RPM.

### 5.3 Recommended Applications

This versatile tool is suitable for a variety of tasks. Always select the appropriate accessory and speed for the material and application.

- **Sanding:** Smoothing rough surfaces, shaping wood or plastic.
- **Polishing:** Bringing a shine to metal, plastic, or stone.
- **Drilling:** Creating small holes in various materials.
- **Cutting:** Making precise cuts in thin materials.
- **Carving/Engraving:** Detailing and artistic work on wood, metal, or glass.
- **Grinding:** Shaping or removing material from hard surfaces.

# Lightweight and Easy to Hold



0.55 lbs



8.27 inches



12V Heavy and difficult to hold



4V Weak power

Image: A hand holding the Tilswall Rotary Tool, demonstrating its lightweight (0.55 lbs) and compact (8.27 inches) design, making it easy and comfortable to hold for extended periods.



**2200** mAh  
Long-lasting Battery

**60**  
minutes

Image: A close-up view of the Tilswall Rotary Tool in action, demonstrating its 8V high-power motor as it cuts through a metal piece, generating sparks, illustrating its robust performance.

# 5 Speed Adjustment

5000-25000 RPM



Image: A collage showing the Tilswall Rotary Tool being used for multiple applications: carving wood, cutting metal, drilling into wood, grinding a gemstone, sanding a wooden piece, and polishing a wooden object.

## 5.4 Automatic Motor Protection

The tool is equipped with an automatic protection feature. If the motor experiences a blockage or stall during operation, the tool will automatically power off to prevent damage and ensure user safety. To resume operation, clear the obstruction and then restart the tool by pressing the power button.

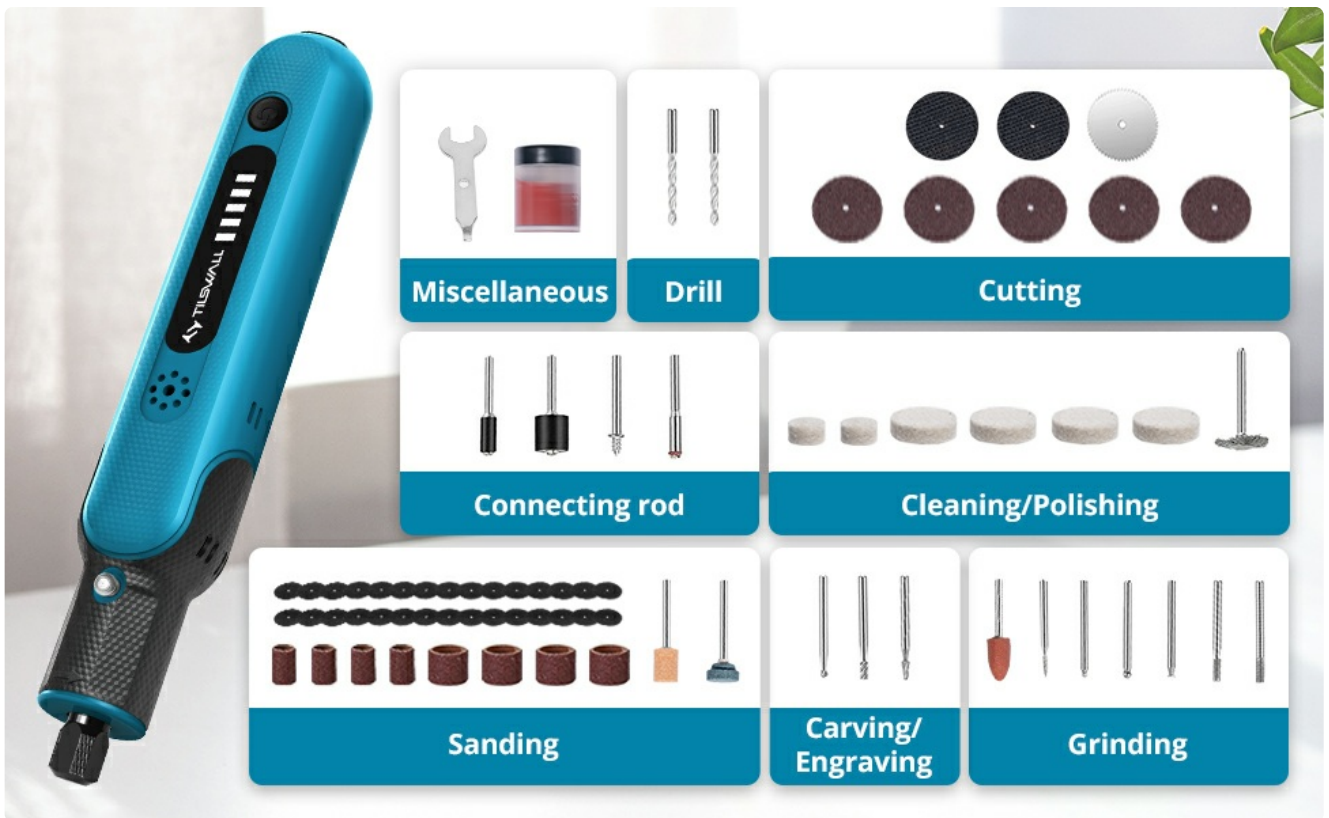


Image: The Tilswall Rotary Tool being held while drilling into wood, with an overlay explaining its automatic power-off protection feature that activates upon motor stall and resumes operation automatically once cleared.

## 6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Tilswall rotary tool.

- **Cleaning:** After each use, wipe down the tool with a clean, dry cloth. Use a soft brush to remove dust and debris from vents and the collet area. Do not use harsh chemicals or abrasive cleaners.
- **Accessory Care:** Clean accessories after use. Store them in their designated container to prevent loss or damage. Replace worn or damaged accessories promptly.
- **Storage:** Store the tool and accessories in a dry, cool place, away from direct sunlight and moisture. Keep out of reach of children.
- **Battery Care:** For long-term storage, charge the battery to approximately 50% to prolong its lifespan. Recharge every 3-6 months if not in use.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Tool does not turn on.	Battery is depleted. Power button not held long enough.	Charge the tool fully. Press and hold the power button for several seconds.
Tool stops during operation.	Motor stall protection activated (overload/blockage). Battery is low.	Remove obstruction, then restart the tool. Recharge the battery.

Problem	Possible Cause	Solution
Accessory wobbles or falls out.	Accessory not properly inserted or collet nut not tightened. Incorrect collet size.	Ensure accessory shank is fully inserted and collet nut is securely tightened. Use the correct collet for the accessory shank size.
Reduced performance/power.	Battery is low. Accessory is dull or worn.	Recharge the battery. Replace the accessory.

## 8. PRODUCT SPECIFICATIONS

Feature	Detail
Brand	TILSWALL
Model Number	ZYY-DMZH-8V-UK
Voltage	8 Volts
Power Source	Battery Powered
Battery Type	Lithium Ion
Battery Capacity	2200mAh
Charging Time	Approx. 1 hour 40 minutes
Speed Settings	5-Speed (5000-25000 RPM)
Maximum Rotational Speed	25000 RPM
Minimum Speed	5000 RPM
Item Weight	1.06 pounds (approx. 0.48 kg)
Package Dimensions	9.57 x 5.91 x 1.81 inches
Included Components	Rotary Tool, 105 Accessories, Type-C Charging Cable, User Manual
Special Feature	Cordless, Automatic Motor Protection

## 9. WARRANTY AND CUSTOMER SUPPORT

For warranty information, technical assistance, or any questions regarding your Tilswall 8V Cordless Rotary Tool Kit, please contact Tilswall customer support. Refer to the packaging or the official Tilswall website for the most current contact details.

**Manufacturer:** Tilswall

**Seller:** Tilswall Inc (via Amazon)

Please retain your proof of purchase for warranty claims.

