**Saved from manuals.plus.**
**Open the live page for links to other documents and user manuals.**



## HARDELL Q0M-DC-4S

# HARDELL 4V Mini Cordless Rotary Tool

Model: Q0M-DC-4S

## 1. Introduction

Thank you for choosing the HARDELL 4V Mini Cordless Rotary Tool. This versatile tool is designed for a wide range of DIY and crafting tasks, including sanding, grinding, engraving, polishing, drilling, and cutting. Its compact size, cordless design, and variable speed settings make it an ideal tool for precision work and extended use without fatigue. Please read this manual thoroughly before operating the tool to ensure safe and efficient use.




Image 1.1: The HARDELL 4V Mini Cordless Rotary Tool shown with its various accessories, including sanding bands, cutting discs, grinding bits, and polishing wheels.

## 2. Important Safety Instructions

Always follow basic safety precautions when using electrical tools to reduce the risk of fire, electric shock, and personal injury.

- **Read All Instructions:** Familiarize yourself with the tool's operation and safety guidelines before use.
- **Wear Eye Protection:** Always wear safety goggles or safety glasses with side shields when operating the tool.
- **Secure Workpiece:** Always clamp or otherwise secure the workpiece to a stable surface. Do not hold the workpiece by hand.
- **Maintain a Clean Work Area:** Cluttered areas and benches invite injuries.
- **Avoid Dangerous Environment:** Do not use power tools in damp or wet locations, or expose them to rain.

Keep work area well lit.

- **Keep Children Away:** All visitors should be kept a safe distance from the work area.
- **Dress Properly:** Do not wear loose clothing or jewelry. They can be caught in moving parts. Rubber gloves and non-skid footwear are recommended when working outdoors. Wear protective hair covering to contain long hair.
- **Use Right Tool:** Do not force small tool or attachment to do the job of a heavy duty tool.
- **Disconnect Tool:** Disconnect the tool from the power source before making any adjustments, changing accessories, or storing the tool.
- **Avoid Accidental Starting:** Ensure the switch is in the OFF position before inserting the battery pack.
- **Maintain Tools With Care:** Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories.
- **Check for Damaged Parts:** Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function.
- **Never Leave Tool Running Unattended:** Turn power off. Do not leave tool until it comes to a complete stop.

## 3. Package Contents

The HARDELL Rotary Tool Kit includes the following items:

- 1 x HARDELL 4V Rotary Tool
- 1 x Black Storage Bag
- 1 x Type-C Charging Cable
- 69 x Rotary Tool Accessories (including sanding bands, cutting discs, grinding bits, polishing wheels, drilling bits, diamond bits, collets, and wrench)



Image 3.1: A detailed view of the 69 universal rotary tool accessories included in the kit, organized in a clear case, showing various types of bits for different applications.

## 4. Product Overview and Components

Familiarize yourself with the main components of your HARDELL Rotary Tool:

- **Spindle Locking Button:** Used to lock the spindle for easy accessory changes.
- **Nut:** Secures the collet and accessory in place.
- **Heat Dissipation Holes:** Designed to dissipate heat generated during motor operation, ensuring tool longevity.
- **Speed Control and On/Off Switch:** Controls the tool's power and adjusts the speed settings. Long press to turn off.
- **5 Speed Indicator:** Digital display showing the current speed setting (01-05).

- **Type-C Charging Port:** For convenient and fast charging of the internal battery.

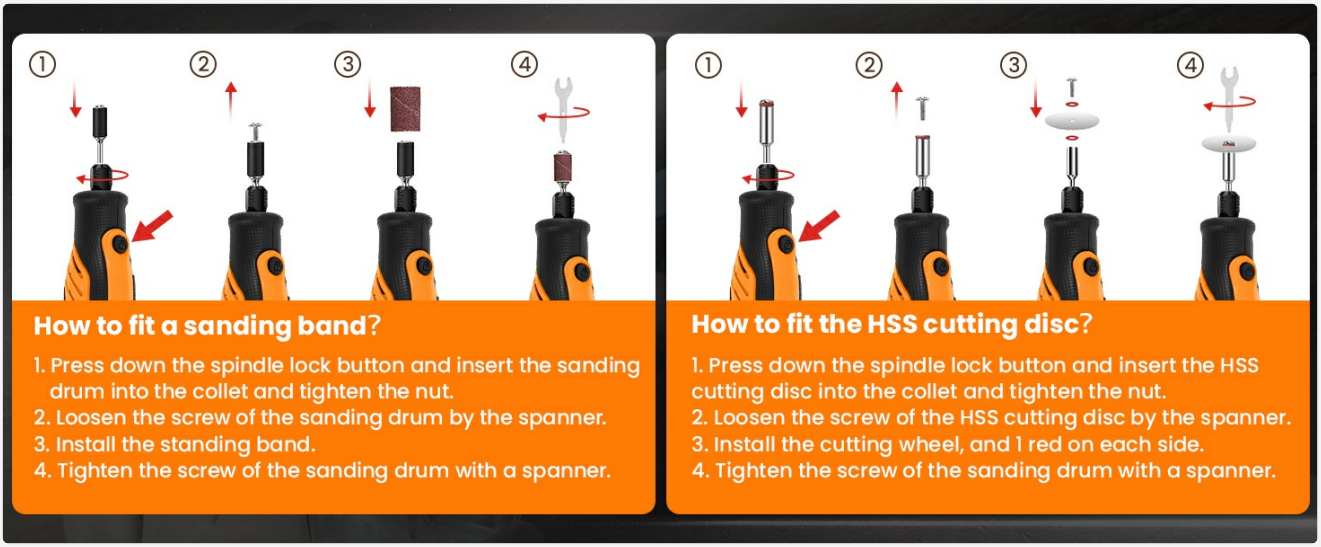



Image 4.1: An exploded view and labeled diagram highlighting key features such as the spindle locking button, nut, heat dissipation holes, speed control, 5-speed indicator, and Type-C charging port.

## 5. Charging the Tool

The HARDELL Rotary Tool features a convenient Type-C charging port for easy and hassle-free charging. The tool is powered by a 4V 1500mAh Li-ion battery.

1. Locate the Type-C charging port on the tool.
2. Connect the provided Type-C charging cable to the tool.
3. Plug the other end of the USB cable into a compatible power source, such as a portable battery, computer USB port, wall charger, or car charger.
4. The digital display will indicate the charging status. Ensure the tool is fully charged before first use for optimal battery life.




Image 5.1: The rotary tool connected via its Type-C port to a laptop for charging, illustrating the convenience of its fast charging capability with various power sources.

## 6. Accessory Installation

Proper installation of accessories is crucial for safe and effective operation. The tool supports three chuck sizes: 3/64" (1.0mm), 1/16" (1.6mm), and 3/32" (2.3mm/3.2mm).

### General Accessory Installation:

1. Press down the spindle locking button and unscrew the nut.
2. Choose the suitable collet for your accessory and place it inside the nut.
3. Insert the desired accessory bit into the collet.
4. Hold the spindle locking button down and screw on the nut tightly using the provided wrench. Ensure the accessory is securely fastened before operation.

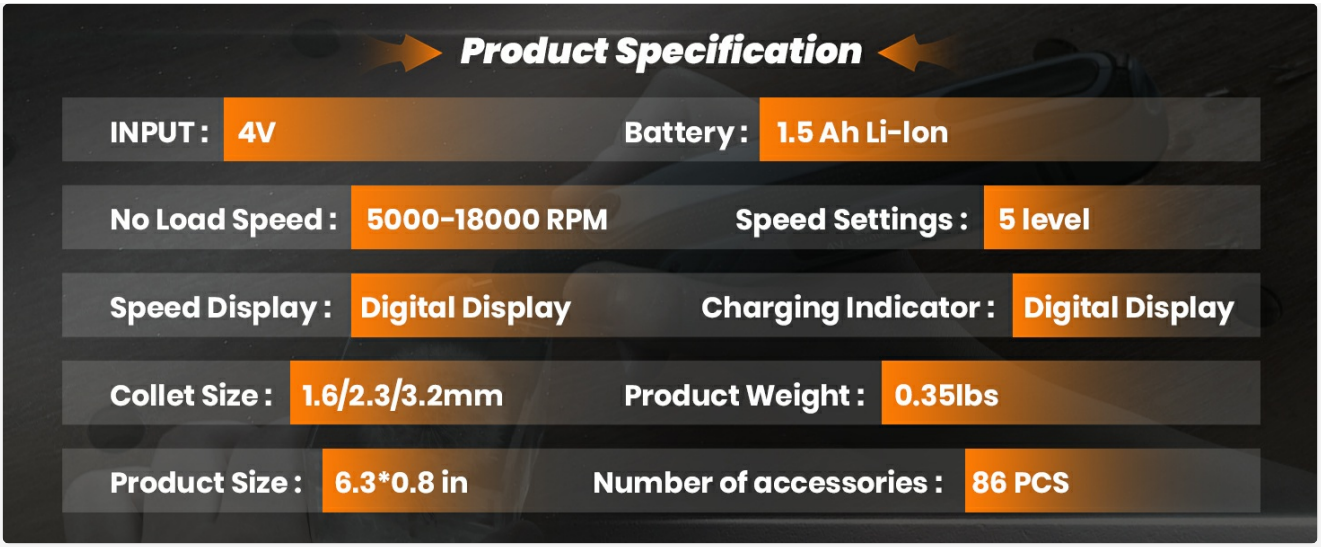



Image 6.1: A three-step visual guide demonstrating how to install accessories: press the spindle lock, insert the collet and accessory, then tighten the nut with the wrench.

## Specific Accessory Installation Examples:

### How to fit a sanding band:

1. Press down the spindle lock button and insert the sanding drum into the collet and tighten the nut.
2. Loosen the screw of the sanding drum by the spanner.
3. Install the sanding band.
4. Tighten the screw of the sanding drum with a spanner.

### How to fit the HSS cutting disc:

1. Press down the spindle lock button and insert the HSS cutting disc into the collet and tighten the nut.
2. Loosen the screw of the HSS cutting disc by the spanner.
3. Install the cutting wheel, and 1 red on each side.
4. Tighten the screw of the sanding drum with a spanner.




Image 6.2: Visual instructions demonstrating the specific steps for attaching a sanding band and an HSS cutting disc to the rotary

tool.

## 7. Operating Instructions

### Powering On/Off and Speed Control:

The HARDELL Rotary Tool features a digital display and 5 convenient speed settings (5000/8000/11000/14000/18000 RPM).

1. **To Turn On:** Press the speed control button once. The tool will start at the lowest speed setting (01).
2. **To Adjust Speed:** Press the speed control button repeatedly to cycle through the 5 speed settings (01 to 05). The digital display will show the current speed.
3. **To Turn Off:** Long press the speed control button until the tool stops. Alternatively, cycle past the highest speed setting (05) to turn off the tool.




Image 7.1: Close-up of the rotary tool's digital display showing the 5 speed settings (01-05) and their corresponding RPMs, indicating

precise speed control.

### General Usage Tips:

- **Choose the Right Speed:** Select the appropriate speed for the material and accessory. Higher speeds are generally for cutting and grinding, while lower speeds are for polishing and delicate engraving.
- **Light Pressure:** Apply light, consistent pressure. Forcing the tool can cause overheating, damage to the tool or accessory, and poor results.
- **Keep Moving:** Do not hold the tool in one spot for too long, especially when working on heat-sensitive materials, to prevent burning or marring the surface.
- **Ventilation:** Ensure adequate ventilation in your workspace, especially when generating dust or fumes.

## 8. Applications

The HARDELL Rotary Tool is suitable for various applications:

- **Sanding:** Ideal for smoothing surfaces on softwood, plastic, stone, and shell. Use sanding bands or discs.
- **Grinding:** Effective for shaping and deburring on aluminum, steel, brass, and stone. Utilize grinding wheels or stones.
- **Engraving:** Perfect for detailed work on glass, softwood, plastic, and stone. Use diamond bits for precision.
- **Polishing:** Achieve a high-gloss finish on glass, plastic, brass, stone, and shell. Use wool polishing wheels or felt bobs.
- **Drilling:** Create small holes in various materials. Use appropriate drilling bits.
- **Cutting:** Suitable for cutting softwood and aluminum. Use HSS cutting discs.

## 9. Maintenance and Storage

- **Cleaning:** After each use, wipe down the tool with a clean, dry cloth. Use a soft brush to remove dust and debris from the ventilation openings. Do not use harsh chemicals or abrasive cleaners.
- **Accessory Care:** Clean accessories after use and store them properly to maintain their sharpness and effectiveness.
- **Storage:** Store the tool and its accessories in the provided black storage bag or a dry, secure place, away from direct sunlight, moisture, and extreme temperatures. Keep out of reach of children.
- **Battery Care:** For long-term storage, charge the battery to approximately 50% to prolong its lifespan. Recharge periodically if not used for extended periods.

## 10. Troubleshooting

| Problem | Possible Cause | Solution |
|---|---|---|
| Tool does not turn on. | Battery is depleted. | Charge the tool using the Type-C cable. |
| Tool stops unexpectedly during use. | Overload or overheating. | Reduce pressure, allow the tool to cool down. Ensure ventilation holes are clear. |
| Accessory wobbles or falls out. | Accessory not properly installed or nut is loose. Incorrect collet size. | Ensure the accessory is fully inserted and the nut is tightened securely. Use the correct collet size for the accessory shank. |
| Reduced performance or power. | Low battery charge. Worn or dull accessory. | Recharge the tool. Replace the accessory if it is worn. |

## 11. Technical Specifications

| Feature | Specification |
|---|---|
| Input Voltage | 4V |
| Battery Type | 1.5 Ah Li-ion (included) |
| No Load Speed | 5000-18000 RPM |
| Speed Settings | 5 levels |
| Speed Display | Digital Display |
| Charging Indicator | Digital Display |
| Collet Size | 1.6mm / 2.3mm / 3.2mm (3/64", 1/16", 3/32") |
| Product Weight | 0.35 lbs (0.16 kg) |
| Product Dimensions | 6.3 x 0.8 inches (approx.) |
| Number of Accessories | 69 PCS |




Image 11.1: A visual representation of the product specifications, including input voltage, battery type, speed range, and dimensions.

## 12. Warranty and Support

HARDELL products are manufactured to high-quality standards. For any questions, concerns, or support needs regarding your HARDELL Rotary Tool, please refer to the contact information provided with your purchase or visit the official HARDELL website for customer service details. Please retain your proof of purchase for warranty claims.

© 2024 HARDELL. All rights reserved.

### Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

**Name**

Anonymous

**Email**

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

**Question**

Example: How do I reset this device or fix this error?

**Details**

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

---

**Open the live page**

**https://manuals.plus/asin/B0D5BCPGXW**

More documents and user manuals: **https://manuals.plus/**