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### DEWALT DT6672-XJ

# DEWALT Extreme Masonry Drill Bit 5 x 85mm User Manual

Model: DT6672-XJ | Brand: DEWALT

## 1. INTRODUCTION

This manual provides essential information for the safe and effective use of your DEWALT Extreme Masonry Drill Bit (Model DT6672-XJ). This 5 x 85mm drill bit is designed for drilling into various masonry materials, including brick, stone, tiles, and light concrete. Please read these instructions carefully before use and retain them for future reference.





Figure 1: DEWALT Extreme Masonry Drill Bit 5 x 85mm in its retail packaging, showing product details and specifications.

## 2. SAFETY INFORMATION

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Always prioritize safety when using power tools and accessories. Failure to follow these safety guidelines may result in injury or damage to the tool.

- **Wear appropriate personal protective equipment (PPE):** This includes safety glasses, hearing protection, and gloves.
- **Secure the workpiece:** Ensure the material you are drilling into is stable and cannot move during operation.
- **Use the correct drill bit for the material:** This drill bit is specifically designed for masonry, brick, stone, tiles, and light concrete. Using it on other materials may cause damage to the bit or workpiece.
- **Check for hidden hazards:** Before drilling, ensure there are no electrical wires, water pipes, or other obstructions behind the drilling surface.
- **Do not force the drill:** Allow the drill bit to do the work. Excessive pressure can cause the bit to overheat, break, or reduce drilling efficiency.
- **Maintain a firm grip:** Always hold the drill securely with both hands if applicable.

- **Disconnect power:** Always disconnect the drill from the power source before changing drill bits or performing maintenance.

### 3. SETUP

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Proper installation of the drill bit is crucial for safe and effective drilling.

1. **Select the correct drill:** Ensure your drill is compatible with a straight shank drill bit and has a chuck capacity suitable for a 5mm diameter bit.
2. **Clean the chuck:** Before inserting the drill bit, ensure the drill chuck is clean and free of debris.
3. **Insert the drill bit:** Open the drill chuck jaws sufficiently. Insert the straight shank of the DEWALT Extreme Masonry Drill Bit into the chuck, ensuring it is seated as deeply as possible without touching the back of the chuck.
4. **Tighten the chuck:** Hand-tighten the chuck firmly. For drills with a key, use the chuck key to tighten securely, ensuring the bit is centered and held firmly. A loose bit can wobble, causing inaccurate drilling and potential damage.
5. **Verify security:** Give the drill bit a gentle tug to confirm it is securely fastened in the chuck.

### 4. OPERATING INSTRUCTIONS

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Follow these steps for optimal performance and safety when drilling with your masonry drill bit.

1. **Mark the drilling point:** Clearly mark the exact location where you intend to drill.
2. **Start slowly:** Begin drilling at a low speed to create a pilot indentation, preventing the bit from "walking" across the surface.
3. **Increase speed and apply steady pressure:** Once the bit has engaged the material, increase the drill speed and apply steady, consistent pressure. Avoid excessive force.
4. **Maintain a straight angle:** Keep the drill bit perpendicular to the drilling surface to ensure a straight hole.
5. **Clear debris:** Periodically withdraw the drill bit slightly from the hole to clear dust and debris, especially when drilling deep holes. This helps prevent overheating and improves drilling efficiency.
6. **Cooling:** For very hard materials or deep holes, consider pausing to allow the drill bit to cool.
7. **Finish drilling:** Continue drilling until the desired depth is reached. Withdraw the drill bit slowly while the drill is still rotating to clear any remaining debris.





Figure 2: The DEWALT Extreme Masonry Drill Bit in operation, demonstrating its effectiveness in drilling through a surface while generating dust, indicating proper usage.

## 5. MAINTENANCE

Proper maintenance extends the life of your drill bit and ensures continued performance.

- **Clean after use:** After each use, clean the drill bit to remove any dust or debris. A stiff brush can be used.
- **Inspect for wear:** Regularly inspect the carbide tip for signs of wear, chipping, or damage. A dull or damaged bit will reduce efficiency and can be dangerous.
- **Storage:** Store the drill bit in a dry place to prevent rust. Keep it in its original packaging or a drill bit case to protect the tip from damage.
- **Lubrication (optional):** While not typically required for masonry bits, a light coating of oil can be applied to the shank for long-term storage in humid environments.

## 6. TROUBLESHOOTING

Here are solutions to common issues you might encounter:

Problem	Possible Cause	Solution
Bit not drilling effectively	Dull or damaged tip, incorrect speed, insufficient pressure, wrong bit for material.	Replace bit, adjust drill speed, apply steady pressure, ensure bit is for masonry.
Bit overheating	Excessive speed, too much pressure, insufficient debris clearing.	Reduce speed, lessen pressure, clear debris more frequently, allow bit to cool.
Bit "walking" on surface	Starting at too high a speed, no pilot indentation.	Start at a very low speed, create a small indentation before increasing speed.
Hole is not straight	Drill not held perpendicular to surface, bit not securely tightened.	Ensure drill is held straight, re-tighten chuck.

## 7. SPECIFICATIONS

Detailed technical specifications for the DEWALT Extreme Masonry Drill Bit (Model DT6672-XJ).

**Model:** DT6672-XJ

**Brand:** DEWALT

**Diameter:** 5 mm

**Overall Length:** 85 mm

**Working Length:** 50 mm

**Material:** Tungsten Carbide Tip

**Shank Type:** Straight, No-Spin Shank

**Recommended Surfaces:** Masonry, Brick, Stone, Tiles, Light Concrete

**Item Weight:** 0.02 Kilograms

**UPC:** 604310238841

**GTIN:** 604310238841

## 8. WARRANTY AND SUPPORT

For warranty information or technical support regarding your DEWALT Extreme Masonry Drill Bit, please refer to the official DEWALT website or contact their customer service directly. Keep your purchase receipt as proof of purchase.

**EU Spare Part Availability Duration:** 1 Year

**DEWALT Official Website:** [www.dewalt.com](http://www.dewalt.com)

