

Dong Cheng DZZ02

Dong Cheng DZZ02 Diamond Core Drill with Water Source User Manual

Model: DZZ02

1. IMPORTANT SAFETY INSTRUCTIONS

Always observe basic safety precautions to reduce the risk of fire, electric shock, and personal injury when operating this power tool. Read all instructions carefully before use.

- **Work Area Safety:** Keep the work area clean and well-lit. Cluttered or dark areas invite accidents. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- **Electrical Safety:** Power tool plugs must match the outlet. Never modify the plug in any way. Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges, and refrigerators. Use a Residual Current Device (RCD) for added protection.
- **Personal Safety:** Always wear eye protection, hearing protection, and appropriate dust mask. Wear non-skid safety shoes and a hard hat when necessary. Do not overreach. Keep proper footing and balance at all times.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.
- **Water Source Safety:** Ensure all water connections are secure to prevent leaks. Do not allow water to come into contact with electrical components.
- **Secure Workpiece:** Always secure the material being drilled to prevent movement during operation.

2. PRODUCT OVERVIEW

The Dong Cheng DZZ02 is an AC diamond core drill designed for precise and efficient drilling in various materials, featuring an integrated water source for cooling and dust suppression. This section provides an overview of the main components.



Figure 2.1: Fully assembled Dong Cheng DZZ02 Diamond Core Drill on its stand, showing the motor, feed handle, and power controls.

Key Components:

- **Drill Motor Unit:** The main power unit, housing the motor and gearbox.
- **Drill Stand/Column:** Provides stability and guides the drill for accurate vertical drilling.
- **Feed Handle:** Used to advance the drill bit into the material.
- **Water Inlet:** Connection point for the external water supply.
- **Power Switch:** On/Off control for the drill.
- **Core Bit Connection:** Threaded spindle for attaching diamond core bits.



Figure 2.2: Detailed view of the drill motor unit and gearbox, highlighting the robust construction.

3. SETUP

Proper setup is crucial for safe and effective operation. Follow these steps to prepare your DZZ02 core drill.

3.1 Unpacking and Assembly



Figure 3.1: Components as received in packaging, including the drill motor, stand, and accessories.

1. Carefully remove all components from the packaging. Inspect for any shipping damage.
2. Attach the drill motor unit to the drill stand carriage. Ensure it is securely fastened with the provided bolts and nuts.
3. Mount the feed handle onto the gearbox shaft.
4. Secure the base of the drill stand to a stable, flat surface using appropriate anchors or clamps. For concrete drilling, a vacuum pump or heavy-duty anchors are recommended.

3.2 Attaching the Core Bit



Figure 3.2: Drill with a core bit installed, demonstrating the operational configuration.

1. Ensure the drill is unplugged from the power source.
2. Thread the diamond core bit onto the spindle of the drill motor. Tighten securely using a wrench if necessary.
3. Verify the core bit is correctly aligned and free from wobble.

3.3 Water Supply Connection

1. Connect the water hose to the water inlet on the drill motor.
2. Connect the other end of the hose to a clean water source.
3. Ensure all connections are tight to prevent leaks. The water supply is essential for cooling the diamond bit and flushing away debris during drilling.

4. OPERATING INSTRUCTIONS

Follow these steps for safe and effective operation of your DZZ02 diamond core drill.

1. **Pre-Operation Check:** Before plugging in, ensure the drill is securely mounted, the core bit is properly installed, and the water supply is connected and ready.
2. **Power Connection:** Plug the drill into a suitable grounded power outlet.
3. **Start Drilling:**
 - Turn on the water supply to allow water to flow to the core bit.
 - Switch on the drill using the power switch.
 - Slowly advance the rotating core bit into the material using the feed handle. Apply steady, even pressure. Do not force the drill.
 - Maintain a consistent water flow throughout the drilling process to cool the bit and remove slurry.
4. **During Drilling:** Monitor the drilling speed and adjust feed pressure as needed. If the drill bogs down, reduce pressure. If the bit overheats (indicated by steam or reduced cutting efficiency), increase water flow or reduce feed

pressure.

- 5. **Completing the Hole:** Once the desired depth is reached, slowly retract the core bit from the hole using the feed handle.
- 6. **Shut Down:**
 - Switch off the drill motor.
 - Turn off the water supply.
 - Unplug the drill from the power source.
- 7. **Core Removal:** Carefully remove the drilled core from the bit or the workpiece.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your DZZ02 core drill.

- **Cleaning:** After each use, clean the drill motor, stand, and core bit. Remove all slurry and debris. Use a damp cloth; do not use harsh solvents.
- **Water System:** Flush the water lines to prevent blockages. Check water seals and connections for wear or damage.
- **Core Bit Inspection:** Inspect the diamond core bit for wear or damage. Replace worn bits to maintain drilling efficiency and prevent damage to the drill.
- **Electrical Cord:** Regularly inspect the power cord and plug for any signs of damage. Replace immediately if damaged.
- **Lubrication:** Refer to the detailed service manual for specific lubrication points and schedules. Generally, gearboxes may require periodic grease checks.
- **Storage:** Store the drill in a clean, dry place, away from direct sunlight and extreme temperatures.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your DZZ02 core drill.

Problem	Possible Cause	Solution
Drill does not start.	No power supply; faulty switch; motor overload protection activated.	Check power connection and outlet. Ensure switch is ON. Allow motor to cool if overloaded. Consult service if problem persists.
Reduced drilling speed or efficiency.	Worn core bit; insufficient water flow; excessive feed pressure.	Replace worn core bit. Check water supply and flow. Reduce feed pressure.
Water leakage.	Loose hose connection; damaged seal or hose.	Tighten all water connections. Inspect hose and seals for damage and replace if necessary.
Excessive vibration.	Loose core bit; damaged core bit; unstable mounting.	Ensure core bit is securely tightened. Replace damaged core bit. Re-secure drill stand to the surface.

7. SPECIFICATIONS

The following are the technical specifications for the Dong Cheng DZZ02 Diamond Core Drill.

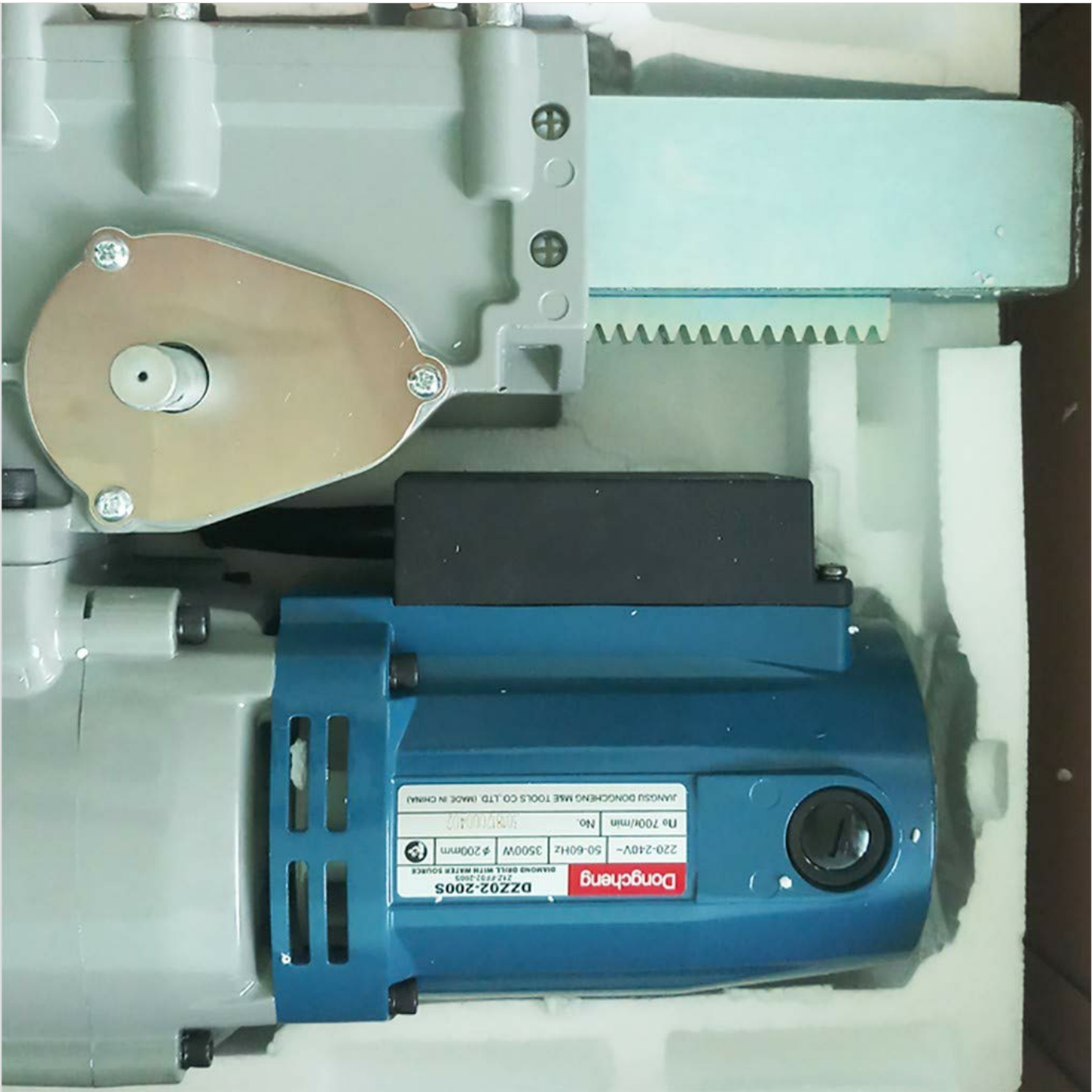


Figure 7.1: Product label displaying key electrical and performance specifications.

Specification	Value
Model	DZZ02 (Also referred to as DJZ02-200)
Power Input	200-3500 W AC
Voltage	220-240V~
Frequency	50-60Hz
No-load Speed	700 r/min
Max. Drilling Diameter	Φ200mm
Product Dimensions	8.9 x 34.7 x 14.6 cm

Specification	Value
Item Weight	1 kg <i>(Note: This weight likely refers to the motor unit only, not the full assembly with stand.)</i>
Manufacturer	Dongcheng, Jiangsu Dongcheng Power Tools Co., Ltd.
Country of Origin	China

8. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided with your purchase or contact your retailer. For technical support or service inquiries, please use the contact information below.

- **Customer Care Number:** 7852830732
- **Manufacturer:** Jiangsu Dongcheng Power Tools Co., Ltd.
- **Importer:** A CUBE TOOLS AND HARDWARE LLP



Figure 8.1: Reference image for customer support contact details.

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