

Dong Cheng DCZC22

DongCheng 20V Cordless Rotary Hammer Drill (Model DCZC22) User Manual

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1. GENERAL SAFETY INSTRUCTIONS

Always read and understand all safety warnings, instructions, illustrations, and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.

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. Power tools create sparks which may ignite the dust or fumes.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

Electrical Safety

- Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges, and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
- Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.

Personal Safety

- Always wear eye protection. Use safety glasses, goggles, or a face shield.
- Wear hearing protection when operating the tool for extended periods.
- Dress properly. Do not wear loose clothing or jewelry. Keep your hair and clothing away from moving parts.
- Stay alert, watch what you are doing, and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol, or medication.

Power Tool Use and Care

- Do not force the power tool. Use the correct power tool for your application.

- Disconnect the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.
- Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.
- Maintain power tools and accessories. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.

Battery Tool Use and Care

- Recharge only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
- Use power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
- When the battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws, or other small metal objects, that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.

2. PRODUCT OVERVIEW

The DongCheng 20V Cordless Rotary Hammer Drill (Model DCZC22) is a versatile and powerful tool designed for various drilling and chiseling tasks in concrete, wood, and metal. It features a brushless motor for enhanced performance and durability, an SDS-Plus chuck for quick bit changes, and multiple operating modes to suit different applications.



Image: DongCheng 20V Cordless Rotary Hammer Drill, showing the tool, battery, charger, SDS-Plus drill bits, and a carrying case.

Key Features

- **Powerful Performance:** 0-1400 RPM and 2.1 J impact energy for maximum drilling power.
- **4-in-1 Functionality:** Easily switch between Hammer, Drill, Chisel, and Rotary Hammer modes.
- **Brushless Motor:** Provides longer tool life, reduced maintenance, and increased efficiency.
- **Efficient Cooling System:** Large ventilation design for effective heat dissipation and overload capacity.
- **SDS-Plus Chuck:** Allows for quick and tool-free changing of drill bits and chisels.
- **Ergonomic Design:** Compact and lightweight (only 2.4 kg) for comfortable use during extended periods.
- **Integrated LED Light:** High-brightness illumination for working in dark or low-light conditions.

Package Contents

- 1 x DongCheng 20V Cordless Rotary Hammer Drill
- 4 x SDS Plus Drill Bits (6x110mm, 8x160mm, 10x160mm, 12x160mm)
- 1 x 4.0 Ah Li-ion Battery

- 1 x 2A Charger
- 1 x Carrying Case
- 1 x User Manual

3. SETUP

3.1 Battery Installation and Removal

To install the battery, align the battery pack with the slot in the tool handle and slide it in until it clicks into place. Ensure it is securely latched. To remove, press the battery release button (usually located on the battery pack) and slide the battery out of the tool.

3.2 SDS-Plus Drill Bit Installation and Removal

1. **Installation:** Clean the shank of the drill bit. Pull back the chuck sleeve, insert the SDS-Plus drill bit into the chuck until it stops, then release the sleeve. Pull the bit to ensure it is locked. The SDS-Plus system allows for slight axial movement of the bit, which is normal for hammer drilling.
2. **Removal:** Pull back the chuck sleeve and hold it. The drill bit will release and can be pulled out.

3.3 Auxiliary Handle Adjustment

The auxiliary handle can be rotated 360 degrees for optimal grip and control. Loosen the handle by twisting it counter-clockwise, adjust it to the desired position, and then tighten it by twisting clockwise until secure.

4. OPERATING INSTRUCTIONS

4.1 Selecting Operating Mode

The tool features a rotary switch to select one of four operating modes:

- **Drill Mode (Rotation Only):** For drilling in wood, metal, plastic, or ceramic without impact.
- **Hammer Drill Mode (Rotation with Impact):** For drilling in concrete, masonry, and stone.
- **Chisel Mode (Impact Only):** For light chiseling, chipping, or demolition work in concrete or masonry. The bit rotates freely in this mode.
- **Chisel Angle Adjustment Mode:** Allows you to adjust the angle of the chisel without rotation or impact. This mode is for positioning the chisel only, not for operation.

To change the mode, rotate the mode selector switch to the desired icon. Ensure the switch clicks into place for the selected mode.

4000mAh Batería de Li-Ion

Taladra hasta **60** agujeros (ϕ 6mm hormigón) con una carga completa

* Más de 50 herramientas eléctricas inalámbricas DongCheng comparten baterías

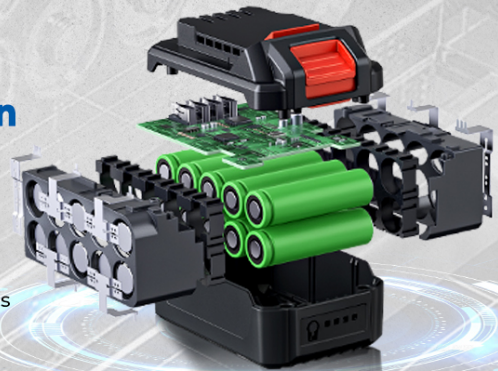


Image: Illustration of the four operating modes: Drilling (rotation only), Hammer Drilling (rotation with impact), Chiseling (impact only), and Chisel Angle Adjustment.

4.2 Starting and Stopping the Tool

- **To Start:** Press the ON/OFF trigger switch. The tool speed is variable depending on how far the trigger is pressed.
- **To Stop:** Release the ON/OFF trigger switch.

4.3 Drilling Capacity and Applications

The DongCheng DCZC22 offers excellent drilling capabilities across various materials:

- **Concrete:** Up to 22 mm diameter. Ideal for general concrete and brick walls.
- **Wood:** Up to 28 mm diameter. Suitable for various wood types.
- **Steel:** Up to 13 mm diameter. For drilling in metal sheets and profiles.

Note: This tool is not applicable for normal concrete (C15-C80) or heavy concrete.

CAPACIDAD MÁXIMA DE PERFORACIÓN



ϕ 22 mm
■ Hormigón (pared de ladrillo)



ϕ 28 mm
■ Madera



ϕ 13 mm
■ Acero

 Madera, Metal, Cerámica



 Pared de ladrillo, Hormigón ligero, Ladrillo de cemento



⚠ [Advertencia] No aplicable a:
■ Hormigón normal (C15-C80) ,
■ Hormigón pesado

Image: Visual representation of the maximum drilling capacities for concrete (22mm), wood (28mm), and steel (13mm).

4.4 Brushless Motor Technology

The integrated brushless motor provides several advantages:

- **Extended Lifespan:** Up to 50% longer tool life compared to brushed motors.

- **Increased Reliability:** Up to 30% greater reliability.
- **Higher Efficiency:** Up to 30% more efficient power delivery.
- **Reduced Noise:** Up to 60% lower noise levels during operation.



Image: An internal view of the brushless motor, highlighting its benefits such as longer life, higher reliability, increased efficiency, and lower noise.

4.5 Integrated LED Light

The tool is equipped with a high-brightness LED light that illuminates the work area, improving visibility in dark or poorly lit environments. The LED light activates when the trigger is pressed.

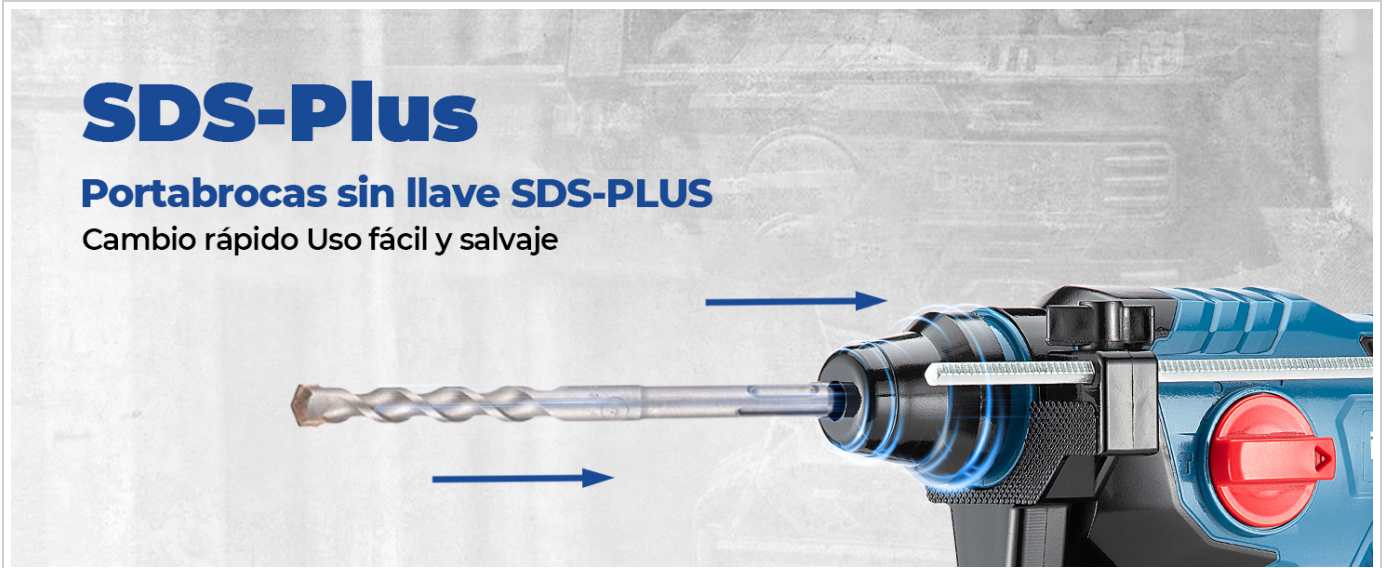


Image: A close-up view of the drill bit and the integrated LED light illuminating the drilling point.

4.6 Ergonomics and Portability

Weighing only 2.4 kg, this rotary hammer drill is designed for comfortable handling and reduced fatigue during prolonged use. Its compact form factor allows for easier maneuverability in tight spaces.



Image: A worker using the drill overhead, illustrating the tool's lightweight and ergonomic design for comfortable operation.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your DongCheng rotary hammer drill.

5.1 Cleaning

- Always disconnect the battery pack before cleaning.
- Keep the ventilation openings clear to prevent overheating. Use a soft brush or compressed air to remove dust and debris.
- Wipe the tool housing with a damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Clean the SDS-Plus chuck regularly to ensure smooth bit changes. Apply a small amount of grease to the bit shank before insertion to reduce wear.

5.2 Battery Care

- Store batteries in a cool, dry place, away from direct sunlight and extreme temperatures.
- Do not store batteries in a discharged state for long periods. Recharge them periodically if not in use.
- Use only the specified DongCheng charger for your battery pack.

5.3 Storage

When not in use, store the tool, battery, and accessories in the provided carrying case in a dry, secure location out of reach of children.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your rotary hammer drill.

Problem	Possible Cause	Solution
Tool does not start	Battery not charged or improperly installed.	Ensure battery is fully charged and correctly inserted until it clicks.
Reduced power or performance	Battery charge is low. Incorrect mode selected. Worn or dull drill bit.	Recharge battery. Verify correct operating mode. Replace or sharpen drill bit.

Problem	Possible Cause	Solution
Drill bit not rotating or impacting	Incorrect mode selected. Chuck not properly engaged.	Check mode selector. Ensure drill bit is fully inserted and locked in the SDS-Plus chuck.
Overheating	Blocked ventilation slots. Prolonged heavy use.	Clean ventilation slots. Allow tool to cool down. Reduce load or operating time.
Excessive vibration	Damaged drill bit. Loose auxiliary handle.	Inspect and replace drill bit if damaged. Tighten auxiliary handle.

7. SPECIFICATIONS

Technical data for the DongCheng 20V Cordless Rotary Hammer Drill.

Feature	Value
Brand	Dong Cheng
Model Number	DCZC22
Power Source	Battery Powered (Cordless Electric)
Voltage	20 Volts (DC)
Battery Capacity	4 Amp-hours (Li-ion)
Max Rotation Speed	1400 RPM
Max Torque	2.1 Newton-meters
Impact Energy	2.1 Joules
Drill Type	Rotary Hammer Drill
Max Chuck Size	28 Millimeters (SDS-Plus)
Drilling Capacity (Concrete)	22 Millimeters
Drilling Capacity (Wood)	28 Millimeters
Drilling Capacity (Metal)	13 Millimeters
Special Feature	Brushless Motor
Product Dimensions (L x W x H)	29L x 5.5W x 21H Centimeters
Product Weight	2.4 Kilograms
Material Type	Metal
Country of Origin	China

8. WARRANTY AND SUPPORT

8.1 Warranty Information

DongCheng products are manufactured to high-quality standards and are guaranteed against manufacturing defects. Please refer to the warranty card included in your package for specific warranty terms and conditions, including duration and coverage details. Keep your purchase receipt as proof of purchase for any warranty claims.

8.2 Customer Support

For technical assistance, spare parts, or service, please contact DongCheng customer support. Contact information can typically be found on the official DongCheng website or on the warranty card provided with your product. When contacting support, please have your product model number (DCZC22) and purchase date ready.

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