

Dong Cheng DZJ03-13

Dongcheng DZJ03-13 Electric Impact Drill User Manual

Model: DZJ03-13

IMPORTANT SAFETY INSTRUCTIONS

Read all safety warnings and instructions before operating this power tool. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury. Keep these instructions for future reference.

- Always wear eye protection, such as safety goggles, and hearing protection when operating the drill.
- Keep your 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.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.
- Use appropriate personal protective equipment. This includes dust masks, non-skid safety shoes, hard hats, or hearing protection as required.
- Ensure the power switch is in the off position before connecting the drill to a power source, picking up or carrying the tool.
- Do not abuse the power cord. Never use the cord for carrying, pulling, or unplugging the power tool. Keep the cord away from heat, oil, sharp edges, or moving parts.
- Maintain power tools carefully. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the power tool's operation.
- Use the correct power tool for your application. Do not force a small tool or attachment to do the job of a heavy-duty tool.
- Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.

PRODUCT OVERVIEW

The Dongcheng DZJ03-13 is a corded electric impact drill designed for drilling into various materials such as metal, plastic, and wood. It features a 500W motor, 13mm chuck capacity, variable speed control, and reversible rotation, making it suitable for both drilling and driving applications.

Components

- Main Body (Motor Housing)
- Chuck (13mm key type)
- Auxiliary Handle
- Depth Gauge
- Trigger Switch
- Lock-on Button
- Forward/Reverse Switch
- Mode Selector (Drill / Impact Drill)



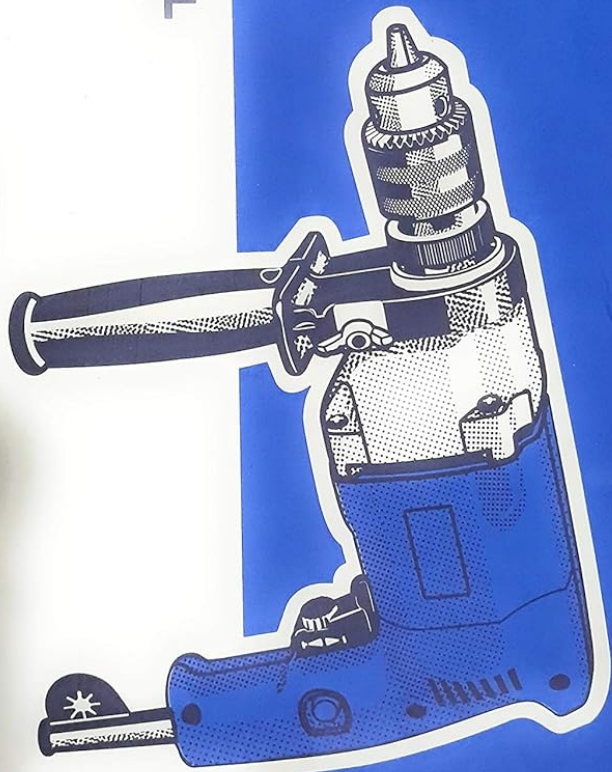
Image: The Dongcheng DZJ03-13 Electric Impact Drill, showing the main body, chuck, auxiliary handle, and control switches.

Dongcheng

Professional

DZJ03-13

13mm (1/2")



ELECTRIC IMPACT DRILL

MESIN BOR TEMBOK

May khoan

เครื่องเจาะ

มีقاب كهربائي رجاج

دریل چکشئی



Image: The product packaging for the Dongcheng DZJ03-13 Electric Impact Drill, displaying key specifications like 13mm chuck and 500W power.

SETUP

- Unpacking:** Carefully remove the drill and all accessories from the packaging. Inspect the tool for any signs of damage. If any damage is found, do not operate the tool and contact your supplier.
- Attaching the Auxiliary Handle:** Loosen the auxiliary handle clamp by rotating it counter-

clockwise. Slide the handle onto the drill's neck. Adjust the handle to a comfortable and secure position, then tighten the clamp by rotating it clockwise.

3. **Installing the Depth Gauge:** Insert the depth gauge into the designated hole on the auxiliary handle. Adjust its position to control the desired drilling depth. The depth gauge helps prevent drilling deeper than necessary.

4. **Inserting Drill Bit:**

- Ensure the drill is unplugged from the power source before inserting or removing any accessories.
- Open the chuck jaws by rotating the chuck key counter-clockwise in each of the three holes until the jaws are wide enough to accept the drill bit.
- Insert the drill bit fully into the chuck, ensuring it is centered.
- Tighten the chuck jaws securely using the chuck key. Rotate the key clockwise in all three holes to ensure the drill bit is firmly gripped and centered.

OPERATING INSTRUCTIONS

Power Connection

Connect the drill's power cord to a suitable 220-240V AC power outlet. Ensure the power outlet is properly grounded and rated for the drill's power requirements.

Selecting Drilling Mode

The drill features a mode selector switch, typically located on the side or top of the gear housing, to switch between drilling and impact drilling modes.

- For drilling into wood, plastic, or metal, select the **Drill** mode (indicated by a drill bit icon).
- For drilling into masonry, brick, or concrete, select the **Impact Drill** mode (indicated by a hammer icon).

Forward/Reverse Rotation

Use the forward/reverse switch, typically located above the trigger, to select the desired rotation direction.

- For drilling and tightening screws, push the switch to the **Forward** position.
- For removing screws or freeing a jammed drill bit, push the switch to the **Reverse** position.

Starting and Stopping

- To start the drill, press the trigger switch.
- To stop, release the trigger switch.
- For continuous operation, press the trigger switch and then press the lock-on button. To release the lock-on function, press the trigger switch again.

Variable Speed Control

The drill features variable speed control. The speed can be adjusted by the pressure applied to the trigger switch. For precise drilling, start at a lower speed and gradually increase as needed. This allows for better control, especially when starting a hole or working with delicate materials.

Drilling Tips

- Always secure the workpiece firmly to prevent it from moving during drilling.
- Apply steady, even pressure to the drill. Avoid excessive force, which can damage the drill bit or the workpiece.
- Do not force the drill. Allow the drill bit to do the work.
- Allow the drill to reach full speed before contacting the workpiece to ensure a clean start.
- For deep holes, periodically withdraw the drill bit to clear chips and allow the bit to cool.

MAINTENANCE

Regular maintenance ensures the longevity, efficiency, and safe operation of your Dongcheng DZJ03-13 Electric Impact Drill. Always unplug the tool before performing any maintenance.

- **Cleaning:** After each use, clean the drill with a soft, damp cloth. Do not use harsh chemicals, abrasive cleaners, or solvents, as these can damage plastic parts. Keep ventilation openings clear of dust and debris to prevent overheating.
- **Chuck Maintenance:** Periodically clean the chuck jaws to ensure proper grip on drill bits. If the chuck becomes stiff or difficult to operate, apply a small amount of light machine oil or lubricant to the threads and jaws.
- **Carbon Brushes:** The carbon brushes are wear items and may need replacement after extended use. Reduced power or intermittent operation can indicate worn brushes. This procedure should ideally be performed by a qualified service technician to ensure proper installation and tool function.
- **Cord Inspection:** Regularly inspect the power cord for any signs of damage, such as cuts, fraying, or exposed wires. A damaged cord can pose a serious electrical hazard. Replace damaged cords immediately with an original replacement part or have it repaired by a qualified professional.
- **Storage:** Store the drill in a dry, secure place, away from moisture and extreme temperatures. Keep it out of reach of children and unauthorized users.

TROUBLESHOOTING

Before contacting customer service, please refer to the following troubleshooting guide for common issues:

Problem	Possible Cause	Solution
Drill does not start	No power supply; Damaged power cord; Faulty switch; Worn carbon brushes	Check power outlet and circuit breaker; Inspect and replace power cord if damaged; Contact service center for switch or brush replacement.
Drill bit slips in chuck	Chuck not tightened properly; Chuck jaws are dirty or worn; Drill bit shank is damaged or oily	Re-tighten chuck securely with the chuck key in all three holes; Clean chuck jaws; Use a clean, undamaged drill bit.
Excessive vibration or noise	Loose components; Worn bearings; Bent or damaged drill bit; Improperly installed auxiliary handle	Check for and tighten any loose screws; Replace bent drill bit; Ensure auxiliary handle is secure; Contact service center for internal issues.
Drill overheats	Overload (too much pressure); Blocked ventilation slots; Continuous heavy use	Reduce pressure and allow the drill to work at its own pace; Clear all ventilation slots; Allow the drill to cool down periodically during extended use.

SPECIFICATIONS

- **Model:** DZJ03-13
- **Power Input:** 500 Watts
- **Chuck Capacity:** 13 mm
- **Power Source:** Corded Electric
- **Amperage:** 14 Amps
- **Voltage:** 220-240V AC (Typical for region)
- **Special Features:** Variable Speed, Reversible Rotation, Impact Function
- **Material:** Plastic (housing), Metal (chuck, internal components)
- **Item Weight:** Approximately 2.5 kg (2500 Grams)
- **Dimensions (LxWxH):** Approximately 30 x 8 x 22 cm
- **Included Components:** Electric Impact Drill, Auxiliary Handle, Depth Gauge, Chuck Key

WARRANTY AND SUPPORT

This Dongcheng product is manufactured to high-quality standards and is designed for reliable performance. For specific warranty information, including terms, conditions, and duration, please refer to the warranty card included with your original purchase or visit the official Dongcheng website for the most up-to-date details.

For technical support, service, or inquiries regarding spare parts, please contact your local authorized Dongcheng service center or the retailer from whom the product was purchased. When contacting support, please have your product model number (DZJ03-13) and purchase date readily available.

Note: Always retain your purchase receipt or proof of purchase, as it is typically required for any

warranty claims.