

Ingco ID6508

Ingco Corded Electric Impact Drill ID6508 User Manual

Model: ID6508

1. IMPORTANT SAFETY INSTRUCTIONS

Always observe basic safety precautions when using electric tools to reduce the risk of fire, electric shock, and personal injury. Read all instructions before operating this product.

- **Work Area Safety:** 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.
- **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.
- **Personal Safety:** 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. Always wear eye protection and hearing protection.
- **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.
- **Service:** Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

2. PRODUCT OVERVIEW

The Ingco ID6508 is a corded electric impact drill designed for various drilling and impact drilling tasks in materials such as wood, metal, and masonry. It features a robust design and variable speed control for optimal performance.



Figure 1: Ingco ID6508 Impact Drill showing the main body, chuck, and auxiliary handle.

Key Components:

- **Chuck:** Holds drill bits securely.
- **Auxiliary Handle:** Provides additional grip and control during operation.
- **Depth Gauge:** Used to set the desired drilling depth.
- **Mode Selector:** Switches between drilling and impact drilling modes.
- **Variable Speed Trigger:** Controls the rotational speed of the drill.
- **Lock-on Button:** For continuous operation.
- **Forward/Reverse Switch:** Changes the direction of rotation.



Figure 2: Detailed view of the Ingco ID6508, highlighting the chuck mechanism and control buttons.

3. SETUP AND ASSEMBLY

3.1 Attaching the Auxiliary Handle

1. Loosen the auxiliary handle by rotating it counter-clockwise.
2. Slide the handle onto the neck of the drill body.
3. Adjust the handle to a comfortable and secure position.
4. Tighten the handle by rotating it clockwise until it is firmly secured.

3.2 Installing Drill Bits

1. Ensure the drill is unplugged from the power source.
2. Open the chuck jaws by rotating the chuck key counter-clockwise.
3. Insert the drill bit fully into the chuck.
4. Tighten the chuck jaws by rotating the chuck key clockwise until the bit is firmly secured. Ensure the bit is centered.
5. Remove the chuck key and store it safely.

3.3 Setting the Depth Gauge

1. Insert the depth gauge into the hole on the auxiliary handle.
2. Adjust the gauge to the desired drilling depth.
3. Tighten the auxiliary handle to secure the depth gauge in place.

4. OPERATING INSTRUCTIONS

4.1 Power Connection

Connect the power cord to a suitable 220-240V, 50-60Hz AC power outlet. Ensure the power source matches the tool's requirements.

4.2 Selecting Operating Mode

- **Drilling Mode:** For drilling in wood, metal, and plastic. Set the mode selector to the drill icon.
- **Impact Drilling Mode:** For drilling in masonry, concrete, and stone. Set the mode selector to the hammer icon.

4.3 Variable Speed Control

The drill features a variable speed trigger. Pressing the trigger lightly will result in a lower speed, while pressing it fully will achieve maximum speed. This allows for precise control depending on the material and application.

4.4 Forward/Reverse Rotation

Use the forward/reverse switch, typically located above the trigger, to change the direction of rotation. Set to forward for drilling and reverse for removing screws or freeing jammed drill bits.

4.5 Lock-on Button

For continuous operation, press the trigger fully and then press the lock-on button. To release, press the trigger again.

4.6 General Drilling Tips

- Always hold the drill firmly with both hands, especially when using the impact function.
- Apply steady, even pressure. Do not force the drill.
- For metal drilling, use a center punch to mark the drilling spot and start with a small pilot hole for larger bits.
- For masonry, ensure you are using appropriate masonry drill bits.

5. MAINTENANCE

5.1 Cleaning

- Always unplug the tool before cleaning.
- Use a soft, damp cloth to wipe down the exterior of the tool. Do not use harsh chemicals or abrasive cleaners.
- Keep the ventilation openings clear of dust and debris to prevent overheating. Use compressed air if necessary.

5.2 Storage

- Store the tool in a dry, secure location, out of reach of children.
- Protect the power cord from damage.

5.3 Carbon Brushes

The carbon brushes may require periodic inspection and replacement. This task should ideally be performed by a qualified service technician to ensure proper function and safety.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Tool does not start.	No power supply; faulty switch; worn carbon brushes.	Check power connection. Ensure switch is not locked off. Have carbon brushes inspected/replaced by a technician.
Reduced power or intermittent operation.	Low voltage; worn carbon brushes; motor issues.	Check power supply. Have carbon brushes and motor inspected by a technician.
Excessive sparking from motor.	Worn carbon brushes; commutator issues.	Discontinue use immediately and have the tool serviced by a qualified technician.
Drill bit jams frequently.	Incorrect drill bit for material; excessive pressure; dull bit.	Use the correct drill bit. Reduce pressure. Replace dull bits.

7. TECHNICAL SPECIFICATIONS



Figure 3: Ingco ID6508 Impact Drill alongside its packaging, which displays key technical specifications.

Specification	Value
Model Number	ID6508
Power Source	Corded Electric
Voltage	220-240V (as per product image) / 4 Volts (as per product data)
Frequency	50-60Hz (as per product image)
Rated Input Power	650W (as per product image)
No-load Speed	0-3000 rpm (as per product image)
Impact Rate	0-48000 bpm (as per product image)
Chuck Size	1.5-13 mm (as per product image) / 0.38 Inches (as per product data)
Item Weight	209 g (0.21 Kilograms)
Product Dimensions	10 x 20 x 37 cm
Material	Metal
Special Features	Variable Speed
Included Components	Chuck Key, Basic Drill Bits

Note: Some specifications from the product data (e.g., 4 Volts for Voltage, 0.38 Inches for Chuck Size) appear to be discrepancies when compared to the product image which indicates 220-240V and 1.5-13mm chuck. The values from the product image are generally more consistent with a corded electric impact drill.

8. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the warranty card included with your product or contact Ingco customer service directly. Keep your purchase receipt as proof of purchase.

For further assistance, visit the official Ingco website or contact your local distributor.