

Ingco ID7508

INGCO ID7508 750W 13mm Variable Speed Impact Drill User Manual

Model: ID7508

1. INTRODUCTION

Thank you for choosing the INGCO ID7508 750W 13mm Variable Speed Impact Drill. This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your new tool. Please read this manual carefully before use and keep it for future reference.

General Safety Information

- Always wear appropriate personal protective equipment (PPE) such as safety glasses, hearing protection, and gloves.
- Ensure your work area is clean, well-lit, and free from obstructions.
- Keep children and bystanders away while operating the power tool.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- Always disconnect the drill from the power source before making any adjustments, changing accessories, or storing the tool.
- Use the correct drill bit for the material you are working on.
- Secure the workpiece before drilling to prevent movement.

2. PRODUCT COMPONENTS

Familiarize yourself with the parts of your INGCO ID7508 Impact Drill:

- **Chuck:** Holds the drill bit securely.
- **Depth Gauge:** Used to set the desired drilling depth.
- **Auxiliary Handle:** Provides additional grip and control during operation.
- **Hammer/Drill Mode Selector:** Switches between rotary drilling and hammer drilling functions.

- **Variable Speed Trigger:** Controls the rotational speed of the drill.
- **Lock-on Button:** Locks the trigger for continuous operation.
- **Forward/Reverse Switch:** Changes the direction of rotation.
- **Power Cord:** Connects the drill to the electrical supply.



Image 2.1: The INGCO ID7508 Impact Drill, showing its main body, chuck, and auxiliary handle.

3. SETUP

3.1 Unpacking

Carefully remove the drill and all accessories from the packaging. Inspect for any damage. If any parts are damaged or missing, contact your supplier immediately.

3.2 Attaching the Auxiliary Handle

1. Loosen the auxiliary handle by rotating it counter-clockwise.

2. Slide the handle onto the front 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.

3.3 Inserting the Depth Gauge

1. Insert the depth gauge into the hole on the auxiliary handle.
2. Adjust the depth gauge to the desired drilling depth.
3. Ensure the depth gauge is securely positioned before drilling.

3.4 Installing Drill Bits

1. Ensure the drill is unplugged from the power source.
2. Rotate the chuck counter-clockwise to open the jaws.
3. Insert the drill bit into the chuck, ensuring it is centered.
4. Rotate the chuck clockwise to tighten the jaws firmly around the drill bit. Use the chuck key if provided and necessary for a secure grip.
5. Pull on the drill bit to ensure it is securely fastened.

4. OPERATING INSTRUCTIONS

4.1 Power Connection

Connect the drill's power cord to a suitable 220-240V~50/60Hz electrical outlet. Ensure the outlet is properly grounded.

4.2 Selecting Operating Mode (Hammer/Drill)

The ID7508 features a hammer function for drilling into masonry. Use the mode selector switch located on the side of the drill:

- For drilling into wood, metal, or plastic, select the **Drill** (rotary only) mode.
- For drilling into concrete, brick, or stone, select the **Hammer Drill** mode.

4.3 Variable Speed Control

The drill's speed is controlled by the pressure applied to the trigger switch. Pressing the trigger lightly results in lower speeds, while pressing it fully increases the speed up to 3000 RPM. This allows for precise control depending on the material and application.

4.4 Forward/Reverse Operation

The forward/reverse switch is located near the trigger. Push the switch to the left for forward rotation (drilling) and to the right for reverse rotation (removing screws or freeing jammed bits).

4.5 Drilling Techniques

- **Starting a Hole:** Begin drilling at a low speed to prevent the drill bit from wandering. Gradually increase speed once the bit has engaged the material.

- **Applying Pressure:** Apply steady, even pressure. Excessive force can damage the drill bit or the workpiece.
- **Cooling:** For prolonged drilling, especially in metal, periodically withdraw the drill bit to allow it to cool and clear debris.
- **Through Holes:** When drilling through a workpiece, reduce pressure as the drill bit breaks through to prevent splintering or damage.

5. MAINTENANCE

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

5.1 Cleaning

- Always disconnect the drill from the power supply before cleaning.
- Use a soft, damp cloth to wipe down the exterior of the drill. 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 Chuck Maintenance

Periodically clean the chuck jaws to ensure they grip drill bits securely. Remove any dust or debris that may accumulate inside the chuck.

5.3 Storage

Store the drill in a dry, secure location, out of reach of children. Protect it from direct sunlight and extreme temperatures.

6. TROUBLESHOOTING

Before attempting any repairs, always disconnect the drill from the power supply.

Problem	Possible Cause	Solution
Drill does not start	No power supply; Faulty power cord/plug; Faulty switch	Check power connection; Inspect cord/plug for damage; Contact service center if switch is faulty
Loss of power during operation	Overload; Loose connection	Reduce pressure; Check power cord connection
Excessive vibration	Bent drill bit; Loose chuck; Damaged internal components	Replace bent bit; Re-tighten chuck; Contact service center
Drill bit not gripping	Chuck jaws dirty or worn; Drill bit shank damaged	Clean chuck jaws; Replace drill bit

7. TECHNICAL SPECIFICATIONS

Specification	Value
Model	ID7508
Voltage	220-240V~50/60Hz
Input Power	750W
No-load Speed	0-3000 RPM
Max. Drilling Capacity	13mm
Features	Variable Speed, Forward/Reverse Switch, Hammer Function
Power Source	Corded Electric
Material	Metal
Product Dimensions	33L x 27W x 8H Centimeters
Item Weight	0.45 Grams

8. WARRANTY AND SUPPORT

8.1 Warranty Information

INGCO products are designed for quality and reliability. For specific warranty terms and conditions, please refer to the warranty card included with your product or contact your local INGCO distributor. Keep your purchase receipt as proof of purchase.

8.2 Customer Support

For technical assistance, spare parts, or service inquiries, please contact the manufacturer or your authorized INGCO service center. The manufacturer for this product is INGCO POWER TOOLS AND HAND TOOLS, Tools Centre.

Please have your model number (ID7508) and purchase date available when contacting support.