Ingco RGH9528-2

Ingco RGH9528-2 Rotary Hammer Drill User Manual

Model: RGH9528-2
Brand: Ingco

1. Important Safety Instructions

Always follow basic safety precautions when using electrical tools to reduce the risk of fire, electric shock, and personal injury.

- **Read all instructions:** Before operating the tool, read and understand all safety warnings and instructions.
- **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. 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.

2. Product Overview and Components

The Ingco RGH9528-2 Rotary Hammer Drill is a versatile tool designed for drilling in concrete, steel, and wood, as well as for light chiseling tasks. It features an SDS Plus chuck system for quick bit changes and a powerful 950W motor.



Figure 2.1: Ingco RGH9528-2 Rotary Hammer Drill, showing the main unit, keyless quick-change chuck, auxiliary handle, and carrying case.



Figure 2.2: The rotary hammer drill emphasizing its 950W power and 28mm maximum concrete drilling capacity, along with the included keyless quick-change chuck.



Figure 2.3: Detailed view of the drill's features, including the four-function selector button, large switch trigger for comfortable use, soft grip handle, and the easy-to-adjust depth gauge for precise drilling.

Included Components:

- Ingco RGH9528-2 Rotary Hammer Drill
- Keyless Quick-Change Chuck (1 pc)
- Auxiliary Handle
- Depth Gauge
- Drill Bits (3 pcs)

- Chisels (2 pcs)
- Extra Carbon Brush Set (1 set)
- Carrying Case
- User Manual (this document)

3. Setup and Assembly

3.1 Attaching the Auxiliary Handle

The auxiliary handle provides better control and stability during operation. It can be rotated 360 degrees for optimal positioning.

1. Loosen the auxiliary handle by twisting it counter-clockwise.
2. Slide the handle onto the front of the drill body.
3. Rotate the handle to the desired position.
4. Tighten the handle by twisting it clockwise until secure.

3.2 Installing/Changing SDS Plus Bits

The SDS Plus chuck allows for quick and secure bit changes without the need for additional tools.

1. Clean the shank of the drill bit or chisel.
2. Pull back the chuck collar on the drill.
3. Insert the SDS Plus bit into the chuck until it clicks into place.
4. Release the chuck collar. Pull on the bit to ensure it is securely locked. A slight axial play is normal for SDS Plus systems.
5. To remove, pull back the chuck collar and pull the bit out.

3.3 Installing the Keyless Quick-Change Chuck

For standard drill bits (non-SDS), use the included keyless quick-change chuck.

1. Ensure the SDS Plus chuck is empty.
2. Pull back the SDS Plus chuck collar.
3. Insert the shaft of the keyless quick-change chuck into the SDS Plus chuck until it clicks.
4. Release the SDS Plus chuck collar.
5. To insert a standard drill bit, twist the front of the keyless chuck counter-clockwise to open the jaws, insert the bit, then twist clockwise to tighten.
6. To remove the keyless chuck, pull back the SDS Plus chuck collar and pull the keyless chuck out.

3.4 Setting the Depth Gauge

The depth gauge helps achieve consistent drilling depths for blind holes.

1. Loosen the auxiliary handle.
2. Slide the depth gauge through the hole in the auxiliary handle.
3. Adjust the depth gauge so that the distance from the tip of the drill bit to the end of the depth gauge is your desired drilling depth.
4. Tighten the auxiliary handle to secure the depth gauge in place.

4. Operating Instructions

4.1 Function Selector

The Ingco RGH9528-2 offers four operating modes, selected via the function selector button (refer to Figure 2.3 for location):

- **Drilling (Rotation Only):** For drilling in wood, metal, ceramics, and plastic. Use with the keyless quick-change chuck and standard drill bits.
- **Hammer Drilling (Rotation with Hammering):** For drilling in concrete, masonry, and stone. Use with SDS Plus drill bits.
- **Chiseling (Hammering Only):** For light chiseling, chipping, and demolition work. Use with SDS Plus chisels.
- **Chisel Position Adjustment:** Allows rotating the chisel to the desired angle without hammering.

Caution: Always ensure the tool is unplugged before changing the function mode.

4.2 Starting and Stopping

1. Connect the power plug to a suitable power outlet (220-240V ~ 50/60Hz).
2. To start the tool, press the switch trigger.
3. To stop the tool, release the switch trigger.
4. For continuous operation, press the switch trigger and then press the lock-on button. To release, press the switch trigger again.

4.3 Speed Control

The tool features variable speed control. The drilling speed and impact rate can be adjusted by the pressure applied to the switch trigger. Pressing the trigger further increases the speed/impact rate.

4.4 Drilling Tips

- Always hold the tool firmly with both hands.
- Apply steady, even pressure. Do not force the drill.
- For deep holes, periodically withdraw the drill bit to clear debris.
- When drilling metal, use a center punch to mark the drilling point and apply cutting oil to prolong bit life.

5. Maintenance and Care

Regular maintenance ensures the longevity and optimal performance of your Ingco Rotary Hammer Drill.

5.1 General Cleaning

- Always unplug the tool before cleaning.
- Clean the ventilation openings regularly to prevent overheating.
- Wipe the tool housing with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Keep the chuck clean and free of dust and debris.

5.2 Carbon Brush Replacement

The carbon brushes are wear parts and need to be replaced when worn out. The tool includes an extra set of carbon brushes.

1. Unplug the tool from the power source.
2. Locate the carbon brush caps on the sides of the motor housing.
3. Unscrew the caps using a screwdriver.
4. Remove the old carbon brushes.
5. Insert the new carbon brushes, ensuring they are oriented correctly.
6. Screw the caps back on securely.

5.3 Lubrication

The SDS Plus chuck mechanism requires periodic lubrication to ensure smooth operation and prevent wear. Apply a small amount of SDS grease (not included) to the shank of the drill bits before insertion.

5.4 Storage

Store the tool in its original carrying case in a dry, secure place, out of reach of children. Protect it from direct sunlight and extreme temperatures.

6. Troubleshooting

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

Problem	Possible Cause	Solution
Tool does not start.	No power supply. Faulty power cord/plug. Worn carbon brushes.	Check power outlet and circuit breaker. Inspect cord for damage; replace if necessary. Replace carbon brushes (refer to Section 5.2).

Problem	Possible Cause	Solution
Reduced drilling/hammering performance.	Worn drill bit/chisel. Insufficient lubrication of SDS chuck. Worn carbon brushes.	Replace with a sharp bit/chisel. Apply SDS grease to bit shank. Replace carbon brushes.
Excessive sparking at motor.	Worn carbon brushes. Dirty commutator.	Replace carbon brushes. Have the tool serviced by a qualified technician to clean the commutator.
Tool overheats.	Blocked ventilation openings. Overloading the tool.	Clean ventilation openings. Reduce pressure and allow the tool to cool down. Do not continuously operate under heavy load.

If the problem persists after attempting these solutions, please contact Ingco customer support or a qualified service center.

7. Technical Specifications

Parameter	Value
Model Number	RGH9528-2
Input Power	950 W
Voltage	220-240 V ~ 50/60 Hz
No-Load Speed	0 - 1050 rpm
Impact Rate	0 - 4670 bpm
Impact Energy	2.5 J
Max Drilling Capacity (Concrete)	28 mm
Max Drilling Capacity (Steel)	13 mm
Max Drilling Capacity (Wood)	30 mm
Chuck Type	SDS Plus with Keyless Quick-Change Chuck
Product Dimensions (L x W x H)	41 x 20 x 7 cm
Weight	10 kg
Material	Metal
Color	Multicolor

8. Warranty and Support

Ingco products are manufactured to high-quality standards. For information regarding warranty coverage, please refer to the warranty card included with your product or visit the official Ingco website. Keep your purchase receipt as proof of purchase.

Customer Support:

For technical assistance, spare parts, or service inquiries, please contact your local Ingco dealer or authorized service center. When contacting support, please provide the model number (RGH9528-2) and the serial number (if applicable) of your tool.
Note: Spare parts availability information was not provided in the product data.

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