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Bosch GBH 2-22 RE

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USER MANUAL

1. Introduction

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Bosch GBH 2-22 RE SDS Plus Corded Electric Rotary Hammer. Please read this manual thoroughly before using the tool to ensure proper handling and to prevent injury or damage.

2. Safety Instructions

Always observe general power tool safety warnings and instructions provided with the product. Keep your work area clean and well-lit. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust. Always wear appropriate personal protective equipment, including eye protection, hearing protection, and gloves.

- **Electrical Safety:** Ensure the power supply matches the voltage specified on the tool. Avoid body contact with earthed or grounded surfaces. Do not expose power tools to rain or wet conditions.
- **Personal Safety:** Stay alert, watch what you are doing, and use common sense when operating a power tool. Do not use the tool while tired or under the influence of drugs, alcohol, or medication.
- **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.

3. Components and Controls

Familiarize yourself with the various parts of your Bosch GBH 2-22 RE Rotary Hammer:



Figure 3.1: Front view of the Bosch GBH 2-22 RE Rotary Hammer, showing the main body, chuck, drill bit, auxiliary handle, and depth stop.



Figure 3.2: Side view of the Bosch GBH 2-22 RE Rotary Hammer, highlighting the mode selector switch and trigger.

- **SDS Plus Chuck:** For quick and secure insertion of SDS Plus drill bits and chisels.
- **Mode Selector Switch:** Allows selection between drilling, hammer drilling, and chiseling modes.
- **Trigger Switch:** Activates the tool and controls variable speed.
- **Lock-on Button:** For continuous operation.
- **Auxiliary Handle:** Provides additional grip and control, adjustable 360 degrees.

- **Depth Stop:** Used to set the desired drilling depth.
- **Forward/Reverse Switch:** Changes the direction of rotation for screwdriving or freeing jammed bits.

4. Setup

1. **Attaching the Auxiliary Handle:** Loosen the auxiliary handle clamp, slide the handle over the tool's neck, and tighten it securely in the desired position for optimal control.
2. **Inserting the Depth Stop:** Insert the depth stop into the hole on the auxiliary handle. Adjust its position to achieve the required drilling depth.
3. **Inserting SDS Plus Drill Bits/Chisels:** Clean the shank of the drill bit. Pull back the SDS Plus chuck sleeve, insert the bit by rotating it slightly until it locks into place. Release the sleeve. Pull the bit to ensure it is securely seated.

5. Operating Instructions

Before operation, ensure the tool is properly set up and all safety precautions are observed.

1. **Power Connection:** Connect the tool's power cord to a suitable 230V power outlet.
2. **Mode Selection:** Rotate the mode selector switch to choose the appropriate operating mode:
 - **Drilling Mode (Rotary Only):** For drilling in wood, metal, and plastics without hammer action.
 - **Hammer Drilling Mode (Rotary with Hammer):** For drilling in concrete, masonry, and stone. This mode combines rotation with powerful hammer blows.
 - **Chiseling Mode (Hammer Only):** For light chiseling work, such as removing tiles or breaking small sections of concrete. (Note: This model primarily focuses on drilling, but chiseling is possible with appropriate accessories and mode selection if available).
3. **Starting and Stopping:** Press the trigger switch to start the tool. The variable speed control allows you to adjust the speed by varying the pressure on the trigger. Release the trigger to stop. For continuous operation, press the lock-on button while the trigger is depressed, then release the trigger. To stop, press the trigger again.
4. **Reverse Operation:** Use the forward/reverse switch to change the direction of rotation. This is useful for screwdriving applications or to free a jammed drill bit. Ensure the tool is stopped before changing direction.
5. **Overload Clutch:** The tool is equipped with an overload clutch that disengages the drive if the drill bit jams. This protects both the user and the tool from damage. If the clutch activates, release the trigger immediately.



Figure 5.1: Proper technique for hammer drilling into a concrete surface.



Figure 5.2: Demonstrating the use of the rotary hammer for drilling into a brick wall.

6. Maintenance

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

- **Cleaning:** After each use, clean the tool's ventilation slots and housing with a soft, dry cloth. Do not use water or chemical cleaners.
- **Lubrication:** The SDS Plus chuck should be lightly greased periodically to ensure smooth operation and prevent wear.
- **Carbon Brushes:** The carbon brushes are wear parts. If the motor sparks excessively or the tool loses power, have the carbon brushes inspected and replaced by an authorized Bosch service center.
- **Storage:** Store the tool in a dry, secure place, out of reach of children. Use the provided carrying case for protection during storage and transport.

7. Troubleshooting

If you encounter issues with your Bosch GBH 2-22 RE, refer to the following common problems and solutions:

- **Tool does not start:**

- Check if the power cord is securely plugged into a live outlet.
- Inspect the power cord for damage.
- Ensure the trigger switch is fully depressed.

- **Loss of power during operation:**

- The overload clutch may have activated due to a jammed bit or excessive pressure. Release the trigger, clear the obstruction, and restart.
- Carbon brushes may be worn. Contact service for replacement.

- **Excessive vibration or noise:**

- Ensure the drill bit is correctly inserted and secured in the chuck.
- Check for loose components or internal damage. Discontinue use and contact service.

For issues not listed here or if troubleshooting steps do not resolve the problem, contact an authorized Bosch service center.

8. Specifications

Feature	Specification
Brand	Bosch
Model Number	GBH 2-22 RE
Power Source	Corded Electric
Voltage	230 Volts
Amperage	6 Amps
Maximum Power	620 Watts
Drill Type	Hammer Drill
Special Feature	Variable Speed
Item Weight	4.1 Kilograms
Product Dimensions (LxWxH)	39.7 x 36 x 9.8 cm
Included Components	Tool
Colour	Blue

9. Warranty and Support

Your Bosch GBH 2-22 RE SDS Plus Corded Electric Rotary Hammer comes with a standard manufacturer's warranty. Please refer to the warranty card included with your product for specific terms and conditions. For technical support, service, or warranty claims, please contact Bosch customer care.

Bosch Customer Care: 18004258665

Manufacturer: Bosch Limited (Power Tools), Post Box No: 3000, Hosur Road, Adugodi, Bangalore - 560030, India.

