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Bosch GBH 3000

Bosch GBH 3000 Professional Rotary Hammer Instruction Manual

Model: GBH 3000 (061124A006)

1. INTRODUCTION

Thank you for choosing the Bosch GBH 3000 Professional Rotary Hammer. This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your tool. Please read it thoroughly before first use and keep it for future reference.

The Bosch GBH 3000 Professional Rotary Hammer (Model 061124A006) is an 800W SDS-Plus hammer drill with 3.1 Joules of impact energy. It features a rotation stop for chiseling and an interchangeable SDS-Plus chuck. The tool weighs 3.6 kg and comes with a carrying case.

Key Features:

- 800 W power output
- 3.1 J impact energy
- SDS-Plus chuck system
- Drilling capacity up to 28 mm
- Electronic control for precise operation
- Rotation stop for chiseling applications
- Interchangeable chuck for various drilling tasks

2. GENERAL SAFETY INSTRUCTIONS

WARNING: Read all safety warnings, instructions, illustrations, and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.

Work Area Safety:

- Keep the 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. Power tools create sparks which may ignite the dust or fumes.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

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. There is an increased risk of electric shock if your body is earthed or grounded.
- Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.

Personal Safety:

- Always wear eye protection. Use safety glasses, goggles, or a face shield.
- Wear hearing protection when operating noisy tools.
- Use dust masks if operations create dust.
- Dress properly. Do not wear loose clothing or jewelry. Keep your hair and clothing away from moving parts.
- Stay alert, watch what you are doing, and use common sense when operating a power tool.

Rotary Hammer Specific Safety:

- Wear ear protectors when hammer drilling. Exposure to noise can cause hearing loss.
- Use auxiliary handles supplied with the tool. Loss of control can result in personal injury.
- Hold power tool by insulated gripping surfaces when performing an operation where the cutting accessory may contact hidden wiring or its own cord.
- Always secure the workpiece. Do not hold it by hand or against your body.

3. PRODUCT DESCRIPTION AND COMPONENTS

The Bosch GBH 3000 Professional Rotary Hammer is designed for drilling in concrete, masonry, wood, and metal, as well as for chiseling applications. Familiarize yourself with the main components of your tool before operation.



Figure 1: Bosch GBH 3000 Professional Rotary Hammer. The image displays the main hammer drill unit, an SDS-Plus drill bit inserted, an auxiliary handle, a depth stop, an interchangeable chuck, and a blue Bosch carrying case.

Main Components:

1. SDS-Plus Chuck
2. Dust Protection Cap
3. Mode Selector Switch (Drilling, Hammer Drilling, Chiseling)
4. Rotation Stop Button
5. Auxiliary Handle
6. Depth Stop
7. Trigger Switch
8. Lock-on Button (for continuous operation)
9. Direction of Rotation Switch
10. Power Cord
11. Interchangeable Keyless Chuck (for standard drill bits)
12. Carrying Case

4. TECHNICAL SPECIFICATIONS

Specification	Value
Model Number	061124A006
Rated Power Input	800 W
Impact Energy	3.1 J
Voltage	220 Volts
Chuck Type	SDS-Plus, Interchangeable Keyless Chuck
Max. Drilling Diameter (Concrete)	28 mm
Max. Torque	31 Nm
Weight	3.6 kg
Dimensions (L x W x H)	18.66 x 5.04 x 13.94 cm
Material	Plastic
Color	Turquoise
Special Features	Compact, ergonomic design, electronic control
Included Components	Carrying case
Country of Origin	Portugal

5. SETUP AND ASSEMBLY

5.1 Attaching the Auxiliary Handle and Depth Stop

1. Loosen the auxiliary handle by turning it counter-clockwise.
2. Slide the auxiliary handle over the chuck onto the tool's collar.
3. Insert the depth stop into the designated hole on the auxiliary handle.
4. Adjust the auxiliary handle to a comfortable working position and tighten it by turning clockwise.
5. Set the desired drilling depth using the depth stop.

5.2 Inserting SDS-Plus Drill Bits/Chisels

1. Clean the shank of the SDS-Plus tool and apply a thin layer of grease.
2. Insert the SDS-Plus tool into the chuck with a rotating motion until it locks.
3. Pull on the tool to check if it is securely locked. The SDS-Plus system allows for axial movement, which is normal and necessary for the hammer function.

5.3 Changing the Chuck (if applicable)

Your GBH 3000 may come with an interchangeable keyless chuck for standard cylindrical drill bits.

1. To remove the SDS-Plus chuck, pull back the locking sleeve and pull the chuck off the tool.
2. To attach the keyless chuck, push it onto the tool spindle until it locks into place. Ensure it is securely seated.

3. To remove the keyless chuck, pull back the locking sleeve and pull the chuck off.

6. OPERATING INSTRUCTIONS

6.1 Selecting Operating Mode

Rotate the mode selector switch to choose the desired operating mode:

- **Hammer Drilling:** For drilling in concrete and masonry with impact.
- **Drilling:** For drilling in wood, metal, ceramics, and plastic without impact. Use the interchangeable keyless chuck for cylindrical drill bits.
- **Chiseling:** For light chiseling work (e.g., removing tiles, light demolition). Engage the rotation stop for this mode.

6.2 Starting and Stopping

- To start the tool, press the trigger switch.
- For continuous operation, press the lock-on button while the trigger switch is pressed.
- To stop the tool, release the trigger switch. If locked on, press and release the trigger switch briefly.

6.3 Adjusting Speed and Direction

- The tool features electronic speed control. The speed can be varied by how far the trigger switch is pressed.
- Use the direction of rotation switch to select forward or reverse rotation. This is typically located near the trigger.

6.4 Working Tips

- Apply moderate pressure; let the tool do the work. Excessive pressure will not speed up drilling and can damage the tool or bit.
- When drilling deep holes, periodically withdraw the drill bit to clear debris.
- For chiseling, ensure the rotation stop is engaged.
- Always ensure the workpiece is securely clamped or stabilized.

7. MAINTENANCE AND CARE

Regular maintenance ensures the longevity and optimal performance of your Bosch GBH 3000 Professional Rotary Hammer.

7.1 Cleaning

- Always unplug the tool before cleaning.
- Keep the ventilation openings clean to prevent overheating. Use a soft brush or compressed air.
- Clean the chuck regularly, especially the SDS-Plus system, to ensure smooth operation. Remove dust and apply a thin layer of grease to the shank of SDS-Plus tools.
- Wipe the tool housing with a damp cloth. Do not use harsh chemicals or abrasive cleaners.

7.2 Storage

- Store the tool in its original carrying case in a dry, secure place, out of reach of children.
- Protect the power cord from damage during storage.

7.3 Carbon Brushes (if applicable)

The motor is equipped with carbon brushes. If the tool sparks excessively or stops working, the carbon brushes may need replacement. This should be performed by a qualified service technician.

8. TROUBLESHOOTING

Before contacting customer service, please refer to the following common issues and their solutions:

Problem	Possible Cause	Solution
Tool does not start	No power supply; damaged power cord; faulty switch.	Check power connection and circuit breaker. Inspect power cord for damage. If cord or switch is faulty, seek professional repair.
Reduced drilling performance	Worn drill bit; incorrect mode selected; chuck dirty.	Replace worn drill bit. Ensure correct mode (hammer drilling for concrete) is selected. Clean and grease the chuck.
Excessive vibration	Loose auxiliary handle; bent drill bit; internal damage.	Tighten auxiliary handle. Replace bent drill bit. If problem persists, seek professional inspection.
Tool overheats	Blocked ventilation slots; continuous heavy load; motor fault.	Clean ventilation slots. Allow tool to cool down during heavy use. If overheating persists, seek professional repair.

For issues not listed here or if solutions do not resolve the problem, please contact Bosch Professional customer service.

9. WARRANTY AND CUSTOMER SUPPORT

9.1 Manufacturer's Warranty

This Bosch GBH 3000 Professional Rotary Hammer comes with a **2-year manufacturer warranty**. Please retain your proof of purchase for warranty claims. The warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from misuse, abuse, unauthorized repairs, or normal wear and tear.

9.2 Customer Support

For technical assistance, spare parts, or warranty service, please contact Bosch Professional customer service in your region. You can find contact information on the official Bosch Professional website or through your local dealer.

Online Resources: For additional information, product registration, and FAQs, visit the official Bosch Professional website: www.bosch-professional.com