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Bosch GBH 187-LI

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Model: GBH 187-LI

INTRODUCTION

This user manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your Bosch GBH 187-LI 18V Rotary Hammer Drill. Please read this manual thoroughly before using the tool to ensure proper handling and to maximize its lifespan.

The Bosch GBH 187-LI 18V rotary hammer drill is designed for high efficiency, featuring a Brushless motor for extended tool life and increased autonomy. Its optimized mechanism allows for more holes per battery charge. The intelligent chuck accommodates both SDS-plus and cylindrical/hexagonal shank drill bits, offering a wide range of applications. Advanced technologies like KickBack Control and Vibration Control enhance user safety and comfort.

PACKAGE CONTENTS

Upon opening the package, ensure all components are present and undamaged:

- 1x Bosch GBH 187-LI 18V Rotary Hammer Drill
- 2x 4.0 Ah 18V Lithium-Ion Batteries
- 1x GAL 1840 Charger
- 1x Auxiliary Handle
- 1x Depth Stop
- 1x Carrying Case
- 1x Tool Instruction Manual (this document)
- 1x Charger Instruction Manual



Image: The Bosch GBH 187-LI Rotary Hammer Drill kit, including the drill, two 4.0 Ah batteries, a GAL 1840 charger, and a blue Bosch carrying case.

GENERAL SAFETY INFORMATION

Always adhere to general power tool safety warnings and instructions provided in the separate safety manual. Keep this manual for future reference.

- **Work Area Safety:** Keep your work area clean and well-lit. Cluttered or dark areas invite accidents.
- **Electrical Safety:** Avoid body contact with earthed or grounded surfaces. Do not expose power tools to rain or wet conditions.
- **Personal Safety:** Always wear eye protection, hearing protection, and a dust mask when operating the tool. Secure loose clothing and long hair.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the battery pack before making any adjustments, changing accessories, or storing power tools.
- **KickBack Control:** This feature reduces the risk of sudden tool rotation if the accessory jams. The tool will shut down instantly.

- **Vibration Control:** Designed to reduce vibration transmitted to the operator's hands, enhancing comfort and safety during prolonged use.



Image: A worker demonstrating safe operation of the Bosch GBH 187-LI, wearing appropriate personal protective equipment including safety glasses and a dust mask, while drilling into a concrete surface.

SETUP AND ASSEMBLY

1. Charging the Battery

Before first use, fully charge the 4.0 Ah Lithium-Ion batteries using the supplied GAL 1840 charger. Refer to the separate charger instruction manual for detailed charging procedures.

- Connect the charger to a suitable power outlet (110V or 220V).
- Insert the battery pack into the charger. The charging indicator light will show the charging status.
- Once fully charged, remove the battery from the charger.

2. Attaching the Auxiliary Handle

The auxiliary handle provides better control and stability during operation.

1. Loosen the auxiliary handle by rotating it counter-clockwise.
2. Slide the handle over the chuck and onto the tool 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. Installing the Depth Stop

The depth stop allows for precise drilling depth control.

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

4. Inserting/Changing Drill Bits

The intelligent chuck supports both SDS-plus and cylindrical/hexagonal shank drill bits.



Image: A visual representation of the Bosch GBH 187-LI's "One Chuck" system, illustrating its compatibility with both SDS-plus and standard cylindrical/hexagonal drill bit shanks.

- **For SDS-plus bits:** Pull back the chuck collar, insert the SDS-plus bit until it clicks into place, then release the collar. Pull on the bit to ensure it is locked.
- **For Cylindrical/Hexagonal bits:** The intelligent chuck automatically adapts. Simply insert the bit firmly into the chuck.
- To remove a bit, pull back the chuck collar and pull the bit out.

OPERATING INSTRUCTIONS

1. Powering On/Off

- To start the tool, press the ON/OFF switch.
- To turn off the tool, release the ON/OFF switch.

2. Speed Control

The GBH 187-LI features variable speed control for greater precision across different applications.

- The drilling speed is controlled by how far the ON/OFF switch is pressed. Pressing further increases the speed.

3. Mode Selection

The tool offers different operating modes for various tasks:

- **Drilling Mode:** For drilling holes in wood, metal, and plastic.
- **Hammer Drilling Mode:** For drilling in concrete, masonry, and stone.
- **Chiseling Mode (Rotation Stop):** For light chiseling work, such as removing tiles.

Select the desired mode using the mode selector switch on the side of the tool.



Image: Side view of the Bosch GBH 187-LI rotary hammer drill, highlighting the mode selector switch and ergonomic design.

4. Applications

- **Drilling:** Use appropriate drill bits for wood, metal, or plastic. Ensure the work piece is securely clamped.
- **Hammer Drilling:** Ideal for concrete, masonry, and stone. Apply steady pressure and let the tool do the work.
- **Chiseling:** Suitable for light demolition tasks like tile removal or channeling.



Image: A user operating the Bosch GBH 187-LI to drill a large diameter hole through a wooden beam, demonstrating its versatility beyond just concrete.

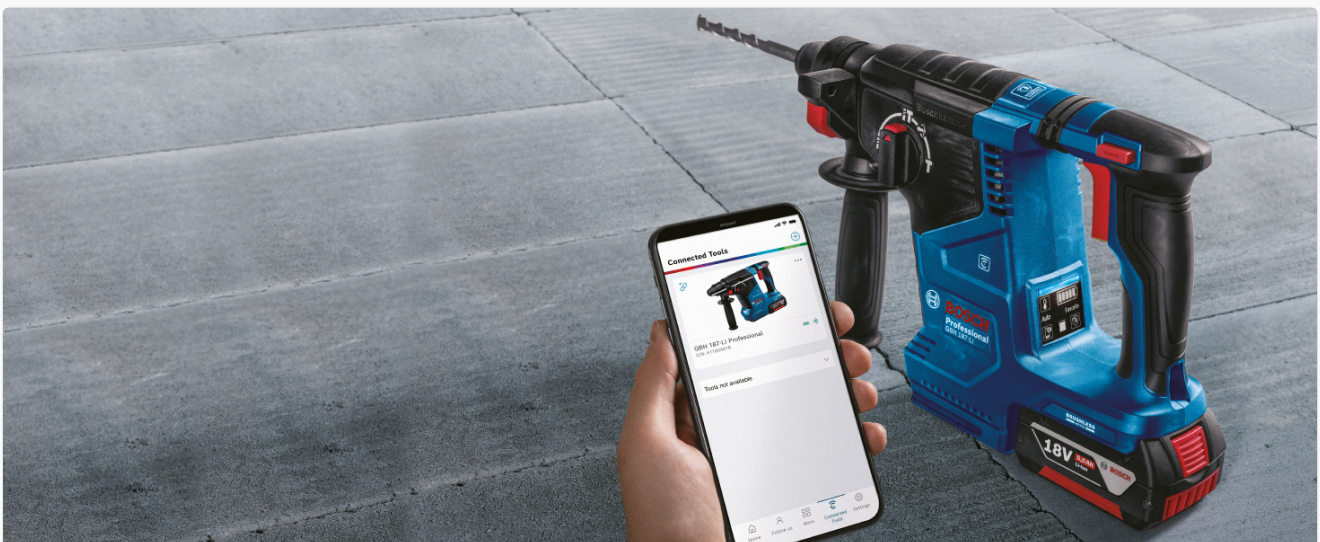


Image: A worker drilling into a concrete wall with the Bosch GBH 187-LI, illustrating the tool's performance in demanding applications and the importance of dust management.

MAINTENANCE AND CARE

Regular maintenance ensures the longevity and optimal performance of your Bosch GBH 187-LI.

- **Cleaning:** Keep the ventilation openings of the tool clean to prevent overheating. Use a soft, damp cloth to clean the tool casing. Do not use harsh chemicals or abrasive cleaners.
- **Chuck Maintenance:** Periodically clean the chuck to remove dust and debris. Apply a small amount of grease to the SDS-plus chuck end of the drill bits for smoother operation and extended tool life.
- **Battery Care:** Store batteries in a cool, dry place away from direct sunlight and extreme temperatures. Do not store fully discharged batteries for extended periods.
- **Brushless Motor:** The tool features a maintenance-free Brushless motor, eliminating the need for carbon brush replacement.
- **Storage:** When not in use, store the tool, batteries, and charger in the supplied carrying case in a dry, secure location out of reach of children.

TROUBLESHOOTING

This section addresses common issues you might encounter with your Bosch GBH 187-LI.

Problem	Possible Cause	Solution
Tool does not start.	Battery is not charged or not inserted correctly.	Charge the battery. Ensure the battery is fully inserted and locked into place.
Reduced drilling performance.	Worn or dull drill bit. Incorrect mode selected.	Replace the drill bit. Select the appropriate mode (e.g., Hammer Drilling for concrete).
Tool stops suddenly (KickBack Control activated).	Drill bit jammed in workpiece.	Release the ON/OFF switch. Remove the tool from the workpiece. Check for obstructions.
Excessive vibration.	Improper grip or accessory.	Ensure proper grip on the auxiliary handle. Use genuine Bosch accessories. If problem persists, contact service.

If the problem persists after attempting these solutions, please contact Bosch customer support or an authorized service center.

TECHNICAL SPECIFICATIONS

Feature	Specification
Model	GBH 187-LI
Part Number	06119231E0-000
Brand	Bosch
Power Source	Battery Powered
Battery Type	Lithium-Ion
Voltage	18 Volts
Amperage (Battery)	4 Amperes (4.0 Ah)
Wattage	18 Watts
Max Chuck Size	24 mm
Special Features	Variable Speed, KickBack Control, Vibration Control, Brushless Motor
Weight	2.9 kg (6.4 lbs)
Dimensions (L x W x H)	33.7 x 22.6 x 10.2 cm (13.3 x 8.9 x 4.0 inches)
Material	Metal



Image: Technical drawing illustrating the dimensions of the Bosch GBH 187-LI rotary hammer drill: 337 mm length, 226 mm height, and 102 mm width.

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Image: A comparison table detailing key specifications of various Bosch rotary hammer drill models, including the GBH 187-LI, GBH 180-LI, and GBH 18V-26.

WARRANTY AND SUPPORT

Your Bosch GBH 187-LI Rotary Hammer Drill comes with a **1-year warranty** from Bosch, as stated in the product description. This warranty covers manufacturing defects and ensures reliable performance under normal use. For warranty claims, technical support, or service inquiries, please contact Bosch customer service or visit their official website. Keep your proof of purchase for warranty validation.

For additional information and to register your product, visit the official Bosch website or use the Bosch BeConnected app for smart tool management and access to exclusive benefits.

PRINCIPAIS BENEFÍCIOS:

- ▶ **Campeão em Eficiência**
maior eficiência do trabalho com motor sem escovas de carvão e mecanismo de otimização para fazer muitos furos com apenas uma carga.
- ▶ **Apenas um Mandril**
um único mandril que pode caber em brocas SDS-plus e de haste cilíndrica/hexagonal para uma ampla gama de aplicações.
- ▶ **Vida profissional Garantida**
melhor proteção por controle de KickBack, controle de vibração e compatível com solução de extração de pó.
- ▶ **Conectividade e HMI**
simplifique o trabalho pesado através de HMI e gerenciamento da ferramenta com o aplicativo inteligente.

Image: Promotional image for the new Bosch BeConnected App, highlighting its features for connecting to the Bosch universe of advantages, including product registration and smart tool management.