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Bosch 06112721K6

User Manual: Bosch GBH 2-24 DRE Rotary Hammer

Model: 06112721K6 | Brand: Bosch

INTRODUCTION

The Bosch GBH 2-24 DRE is a heavy-duty corded electric rotary hammer designed for professional use. It features SDS Plus chuck for quick bit changes, a powerful 790W motor, and offers three operating modes: drilling, hammer drilling, and chiseling. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your tool.

For detailed specifications, refer to the 'Specifications' section of this manual.

SAFETY INSTRUCTIONS

Always observe the following safety precautions to prevent electric shock, fire, and 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.
- **Electrical Safety:** Power tool plugs must match the outlet. Never modify the plug in any way. Do not abuse the cord. Never use the cord for carrying, pulling, or unplugging the power tool. Keep cord away from heat, oil, sharp edges, or moving parts.
- **Personal Safety:** Always wear eye protection. Use hearing protection when operating the tool for extended periods. Wear a dust mask when working in dusty conditions. Secure loose clothing, jewelry, and long hair.
- **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. This will ensure that the safety of the power tool is maintained.

COMPONENTS OVERVIEW

Familiarize yourself with the main components of your Bosch GBH 2-24 DRE Rotary Hammer.



Figure 1: Overview of the Bosch GBH 2-24 DRE Rotary Hammer, showing the main body, SDS-Plus chuck, auxiliary handle, and mode selector switch.

1. **SDS-Plus Chuck:** For quick and secure insertion of SDS-Plus drill bits and chisels.
2. **Auxiliary Handle:** Provides additional grip and control during operation.
3. **Depth Stop:** Used to set the desired drilling depth.
4. **Mode Selector Switch:** Allows selection between drilling, hammer drilling, and chiseling modes.
5. **Trigger Switch:** Activates the tool.
6. **Lock-on Button:** For continuous operation.
7. **Reverse Rotation Switch:** Changes the direction of rotation.

SETUP

1. Unpacking

Carefully remove the rotary hammer and all accessories from the packaging. Inspect for any damage that may have occurred during transit. Keep the original packaging for future storage or transport.



Figure 2: The Bosch GBH 2-24 DRE Rotary Hammer stored in its durable carrying case, indicating proper storage and transport.

2. Attaching the Auxiliary Handle

The auxiliary handle provides better control and safety. Loosen the auxiliary handle by turning it counter-clockwise. Slide it over the chuck and position it to your desired angle. Tighten by turning clockwise until secure.

3. Inserting SDS-Plus Drill Bit/Chisel

1. Clean the shank of the drill bit/chisel and apply a thin layer of grease.
2. Push the drill bit/chisel into the SDS-Plus chuck until it locks into place.
3. Pull on the bit to ensure it is securely seated. The SDS-Plus system allows for slight axial play, which is normal and necessary for the hammer function.

4. Power Connection

Ensure the power tool's voltage rating matches your power supply. Plug the tool into a grounded electrical outlet. Do not use adapters or extension cords that are not rated for the tool's power requirements.

OPERATING MODES

The Bosch GBH 2-24 DRE offers three distinct operating modes, selected via the mode selector switch:

- **Drilling Mode (Rotation Only):** Ideal for drilling in wood, metal, ceramics, and plastic. The hammer action is disengaged in this mode.
- **Hammer Drilling Mode (Rotation with Hammer Action):** Used for drilling in concrete, masonry, and stone. This mode combines rotation with powerful hammer blows.
- **Chiseling Mode (Hammer Action Only):** For light chiseling work, such as removing tiles or light demolition in masonry. The rotation is disengaged, allowing the chisel to be positioned freely.

To change modes, rotate the mode selector switch to the desired symbol. Always ensure the tool is switched off before changing modes.

OPERATION

1. Switching On/Off

- **To Switch On:** Press the trigger switch.
- **For Continuous Operation:** Press the trigger switch and then press the lock-on button.
- **To Switch Off:** Release the trigger switch. If the lock-on button is engaged, press the trigger switch briefly and then release it.

2. Speed Control

The tool features variable speed control. The drilling speed can be continuously varied depending on how far the trigger switch is pressed. This allows for precise starting of drilling and adapting to different materials.

3. Reverse Rotation

The reverse rotation switch changes the direction of rotation. This is useful for loosening jammed drill bits or for driving/removing screws (with appropriate accessories). Ensure the tool is at a complete stop before changing the rotation direction.

4. Drilling Tips



Figure 3: A user demonstrating the application of the Bosch GBH 2-24 DRE Rotary Hammer for breaking concrete, highlighting its heavy-duty capability.

- Always hold the tool firmly with both hands, especially when using the hammer function.

- Apply steady, even pressure. Do not force the tool.
- For deep holes, periodically withdraw the drill bit to clear debris.
- When drilling into walls, always check for hidden electrical wires or pipes using a suitable detector.

MAINTENANCE

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

- **Cleaning:** After each use, clean the tool, especially the ventilation slots, with a soft brush or compressed air. Do not use water or chemical cleaning agents.
- **Chuck Maintenance:** Keep the SDS-Plus chuck clean and lightly greased to ensure smooth bit insertion and removal.
- **Cord Inspection:** Regularly inspect the power cord for damage. If damaged, have it replaced by a qualified technician.
- **Carbon Brushes:** The carbon brushes wear out over time. If the tool's performance decreases significantly or sparks excessively, have the carbon brushes checked and replaced by an authorized Bosch service center.
- **Storage:** Store the tool in a dry, secure place, out of reach of children. Use the original carrying case for protection.

TROUBLESHOOTING

This section addresses common issues you might encounter with your Bosch GBH 2-24 DRE Rotary Hammer.

Problem	Possible Cause	Solution
Tool does not start.	No power supply; damaged cord; faulty switch.	Check power outlet and cord. If cord or switch is damaged, seek professional repair.
Reduced drilling performance.	Worn drill bit; worn carbon brushes; incorrect mode selection.	Replace drill bit. Have carbon brushes checked. Ensure correct operating mode is selected.
Excessive vibration or noise.	Damaged internal components; loose auxiliary handle.	Tighten auxiliary handle. If problem persists, seek professional service.
Drill bit stuck in chuck.	Dirt or debris in chuck; bit overheated.	Clean chuck and bit shank. Allow bit to cool. Apply light grease to bit shank.

SPECIFICATIONS

Detailed technical specifications for the Bosch GBH 2-24 DRE Rotary Hammer.

Feature	Specification
Model Number	06112721K6
Power Input	790 W
Impact Energy	2.7 J
Impact Rate at Rated Speed	0 - 4200 bpm

Feature	Specification
Rated Speed	0 - 930 rpm
Tool Holder	SDS-plus
Weight	2.8 kg (Tool only) / 4.48 kg (Shipping weight)
Max. Drilling Diameter in Concrete	24 mm
Max. Drilling Diameter in Wood	30 mm
Max. Drilling Diameter in Steel	13 mm
Dimensions (LxWxH)	44.2 x 35.2 x 1.1 cm (Product)
Power Source	Corded Electric
Included Components	Rotary Hammer

WARRANTY AND SUPPORT

Your Bosch GBH 2-24 DRE Rotary Hammer comes with a 1-year warranty from the date of purchase, covering manufacturing defects. For warranty claims, technical support, or service, please contact Bosch customer service or an authorized Bosch service center.

For more information, visit the official Bosch website or refer to the warranty card included with your product.

Bosch Customer Service: Please refer to the contact information provided in your product's documentation or on the official Bosch website for your region.