

BLACK+DECKER BEH850K-QS

BLACK+DECKER BEH850K-QS 850W Corded Hammer Drill Instruction Manual

Model: BEH850K-QS

INTRODUCTION

Thank you for choosing the BLACK+DECKER BEH850K-QS 850W Corded Hammer Drill. This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your new tool. Please read these instructions carefully before use and retain them for future reference.

This hammer drill is designed for drilling in wood, metal, and masonry materials. Always ensure you understand the tool's functions and safety precautions before beginning any work.

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 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 power tools for extended periods.
- 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.

COMPONENTS AND FEATURES

Familiarize yourself with the parts of your BLACK+DECKER BEH850K-QS Hammer Drill before operation.



Figure 1: The BLACK+DECKER BEH850K-QS 850W Corded Hammer Drill, showing the main body, chuck, and auxiliary handle.

1. **Chuck:** Holds drill bits securely.
2. **Auxiliary Handle:** Provides additional grip and control.
3. **Depth Stop:** Used to set the desired drilling depth.
4. **Mode Selector:** Switches between drilling and hammer drilling modes.
5. **Trigger Switch:** Activates the tool.
6. **Lock-on Button:** For continuous operation.
7. **Forward/Reverse Switch:** Changes the direction of rotation.

8. **Speed Control Dial:** Adjusts the drilling speed.



Figure 2: The BEH850K-QS Hammer Drill kit, including the drill, carrying case, and a selection of drill bits.

SETUP

Attaching the Auxiliary Handle

The auxiliary handle can be rotated 360 degrees for optimal positioning. Loosen the handle by twisting it counter-clockwise, position it as desired, and then tighten it by twisting clockwise until secure.

Installing and Removing Drill Bits

1. **Ensure the tool is unplugged** before changing any accessories.
2. Rotate the chuck collar counter-clockwise to open the chuck jaws.
3. Insert the drill bit fully into the chuck.
4. Rotate the chuck collar clockwise to tighten the jaws firmly around the drill bit. Ensure the bit is centered and secure.
5. To remove, rotate the chuck collar counter-clockwise and pull the bit out.

Setting the Depth Stop

The depth stop allows for precise drilling to a predetermined depth.

1. Insert the drill bit into the chuck.
2. Loosen the auxiliary handle.
3. Slide the depth stop rod through the hole in the auxiliary handle, with the flat end facing the drill bit.
4. Position the drill bit against the workpiece.
5. Adjust the depth stop rod until the desired drilling depth is achieved (the distance between the tip of the drill bit and the end of the depth stop rod).
6. Tighten the auxiliary handle to secure the depth stop.

OPERATING INSTRUCTIONS

Powering On and Off

- To start the tool, press the trigger switch.
- For continuous operation, press the lock-on button while the trigger is depressed. To release, press the trigger again.
- To stop the tool, release the trigger switch.

Selecting Drilling Mode

Your drill features two operating modes:

- **Drilling Mode (Rotary Only):** For drilling in wood, metal, plastics, and for driving screws. Set the mode selector to the drill icon.
- **Hammer Drilling Mode (Rotary with Impact):** For drilling in masonry, concrete, and brick. Set the mode selector to the hammer icon.

Adjusting Speed and Direction

- **Speed Control:** The speed control dial allows you to pre-select the maximum speed. The trigger switch provides variable speed control; the further it is pressed, the faster the drill rotates.
- **Forward/Reverse:** Use the forward/reverse switch to change the direction of rotation. Ensure the tool is stopped before changing direction.

Drilling Techniques

Always wear appropriate personal protective equipment, including eye protection and hearing protection, when operating the drill.



Figure 3: Demonstrating drilling into a brick wall using the hammer drill. Ensure a firm grip and proper safety gear.

- **Secure Workpiece:** Always clamp or otherwise secure the workpiece to prevent it from moving during drilling.
- **Starting a Hole:** Begin drilling at a slow speed to prevent the drill bit from wandering. Gradually increase speed once the hole is started.
- **Applying Pressure:** Apply steady, even pressure in line with the drill bit. Excessive pressure will not make the drill cut faster and can damage the bit or the tool.
- **Clearing Debris:** Periodically withdraw the drill bit from the hole to clear chips and dust, especially when drilling deep holes.



Figure 4: Drilling a large diameter hole in wood. Use appropriate drill bits and maintain control with the auxiliary handle.



Figure 5: Drilling into a metal sheet. Ensure the workpiece is stable and use a suitable metal drill bit.



Figure 6: Drilling into a concrete block. Use hammer mode and a masonry drill bit for effective results.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your tool.

- **Cleaning:** Keep the ventilation slots of the tool clean to prevent overheating. Use a soft brush or dry cloth. Do not use water or chemical cleaners.
- **Cord Inspection:** Regularly inspect the power cord for damage. If damaged, have it repaired by a qualified service agent.
- **Chuck Maintenance:** Keep the chuck jaws clean and free of debris to ensure proper bit gripping.
- **Storage:** Store the tool in a dry, secure location out of reach of children. If storing in the provided case, ensure the tool is clean and dry.

Service: For any repairs or replacement parts, contact an authorized BLACK+DECKER service center. Do not attempt to repair the tool yourself.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Tool does not start.	No power supply. Faulty power cord/plug.	Check power outlet and circuit breaker. Inspect power cord for damage; replace if necessary.

Problem	Possible Cause	Solution
Drill bit slips in chuck.	Chuck not tightened sufficiently. Drill bit shank is dirty or damaged.	Tighten chuck firmly. Clean or replace drill bit.
Excessive vibration or noise.	Damaged drill bit. Loose components.	Replace drill bit. Check for loose parts; if issue persists, seek professional service.
Tool overheats.	Blocked ventilation slots. Overloading the tool.	Clean ventilation slots. Reduce pressure; allow tool to cool.

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

SPECIFICATIONS

Model Number	BEH850K-QS
Power Input	850 Watts
Power Source	Corded Electric
No-Load Speed	Up to 3000 RPM
Number of Speeds	2
Drill Type	Hammer Drill
Drilling Capacity (Wood)	13 mm
Drilling Capacity (Metal)	13 mm
Item Weight	3.5 Kilograms (7.7 pounds)
Product Dimensions	14.57 x 4.13 x 13.78 inches
Material	Metal
Special Feature	Portable

WARRANTY AND SUPPORT

BLACK+DECKER products are manufactured to high-quality standards and are guaranteed against manufacturing defects. For detailed warranty information, please refer to the warranty card included with your product or visit the official BLACK+DECKER website.

For technical assistance, service, or to order replacement parts, please contact BLACK+DECKER customer support or an authorized service center in your region. Contact information can typically be found on the BLACK+DECKER website or on the product packaging.