

BLACK+DECKER BEH550-QS

BLACK+DECKER BEH550-QS 550W Hammer Drill Instruction Manual

Model: BEH550-QS

1. IMPORTANT SAFETY INSTRUCTIONS

Always read and understand 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 your 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 safety equipment such as dust masks, non-skid safety shoes, hard hats, or hearing protection when appropriate. Dress properly. Do not wear loose clothing or jewelry. Keep your hair and clothing away from moving parts.
- **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.

2. PRODUCT OVERVIEW

The BLACK+DECKER BEH550-QS is a versatile 550W hammer drill designed for various drilling tasks in wood, metal, and masonry. It features a robust motor and a comfortable design for ease of use.



Figure 1: Front view of the BLACK+DECKER BEH550-QS 550W Hammer Drill, showcasing its ergonomic design and chuck.

3. SETUP AND ASSEMBLY

3.1 Attaching the Auxiliary Handle

The auxiliary handle provides additional control and stability during operation. It can be rotated 360 degrees for optimal positioning.

1. Loosen the auxiliary handle by rotating it counter-clockwise.
2. Slide the handle onto the front of the drill body.
3. Rotate the handle to the desired position.
4. Tighten the handle by rotating it clockwise until secure.

3.2 Inserting and Changing Drill Bits

Always ensure the drill is unplugged from the power source before changing bits.



Figure 2: A selection of drill bits next to the auxiliary handle, demonstrating the variety of accessories that can be used with the drill.

1. To open the chuck jaws, rotate the chuck sleeve counter-clockwise.
2. Insert the drill bit fully into the chuck.
3. To close the chuck jaws, rotate the chuck sleeve clockwise until the bit is firmly secured.
4. For extra security, use the chuck key (if provided) to tighten the chuck.

4. OPERATING INSTRUCTIONS

4.1 Switching On and Off

- To switch the tool on, press the ON/OFF switch.
- To switch the tool off, release the ON/OFF switch.
- For continuous operation, press the ON/OFF switch and then press the lock-on button. To switch the tool off when in continuous operation, release the ON/OFF switch.

4.2 Selecting Drilling Mode

This drill features two modes: drilling and hammer drilling. Use the mode selector switch located on the side of the drill to choose the appropriate mode.

- **Drilling Mode (Drill Icon):** For drilling in wood, metal, plastics, and for screwdriving.
- **Hammer Drilling Mode (Hammer Icon):** For drilling in masonry, concrete, and brick.

4.3 Drilling Techniques

Always apply steady, even pressure. Do not force the drill. Allow the drill bit to do the work.



Figure 3: A user operating the drill to create a hole in a wooden beam, demonstrating proper grip and application.



Figure 4: The drill being used to bore into a metal surface, highlighting its capability for various materials.



Figure 5: A close-up of the drill in hammer mode, effectively drilling into a brick wall.

- **For Wood and Metal:** Use standard drill bits. Start with a small pilot hole for larger diameters.
- **For Masonry:** Use carbide-tipped masonry drill bits and select the hammer drilling mode. Apply firm, steady pressure.

5. MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your tool. Always unplug the tool before performing any maintenance.

- **Cleaning:** Keep the ventilation slots of the tool clean to prevent overheating. Use a soft brush or dry cloth to remove dust and debris. Do not use water or chemical cleaners.
- **Cord Inspection:** Regularly inspect the power cord for damage. If damaged, have it replaced by a qualified service agent.
- **Storage:** Store the tool in a dry, secure place out of reach of children.

6. TROUBLESHOOTING

If your tool is not operating correctly, consult the following table for common issues and solutions.

Problem	Possible Cause	Solution
Tool does not start	No power supply	Check power outlet and cord connection.
Reduced drilling performance	Worn or dull drill bit	Replace with a sharp, appropriate drill bit.
Excessive vibration	Loose drill bit or auxiliary handle	Ensure drill bit and auxiliary handle are securely tightened.

If the problem persists, contact BLACK+DECKER customer service or an authorized service center.

7. SPECIFICATIONS

Feature	Specification
Brand	BLACK+DECKER
Model Number	BEH550-QS
Power Source	Corded Electric
Maximum Rotational Speed	2800 RPM
Voltage	550.0 V
Amperage	18 Amps
Wattage	550 Watts
Item Weight	1.1 pounds (500 Grams)
Product Dimensions	11.81"L x 10.28"W x 2.95"H
Drill Type	Hammer Drill
Material	Metal
Maximum Torque	50 Newton Meters
Special Feature	Portable

8. 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, spare parts, or repair services, please contact BLACK+DECKER customer support. Contact information can typically be found on the product packaging or the official brand website.