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BLACK+DECKER BEHS01K-QS

BLACK+DECKER BEHS01K-QS Hammer Drill User Manual

Model: BEHS01K-QS | Brand: BLACK+DECKER

INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your BLACK+DECKER BEHS01K-QS 650W Hammer Drill. Please read this manual thoroughly before first use and keep it for future reference.

The BLACK+DECKER BEHS01K-QS hammer drill is a versatile tool designed for drilling and chiseling tasks. It features a 650W motor, SDS+ mandrel, and multiple functions to accommodate various applications.

SAFETY INFORMATION

Always observe basic safety precautions to reduce the risk of fire, electric shock, and personal injury when operating power tools.

- **Work Area Safety:** Keep the work area clean and well-lit. 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. Avoid body contact with earthed or grounded surfaces.
- **Personal Safety:** Always wear eye protection, hearing protection, and appropriate work gloves. Dress properly; avoid loose clothing or jewelry.
- **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.
- **Maintenance:** Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the power tool's operation.

PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x BLACK+DECKER BEHS01K-QS Hammer Drill
- 1 x Carrying Case
- 1 x Side Handle

- 1 x Depth Stop
- 2 x SDS+ Concrete Drills (6 mm and 8 mm)
- 1 x Standard Chuck (for non-SDS+ bits)
- 1 x Chuck Key



Figure 1: Contents of the BLACK+DECKER BEHS01K-QS package, including the hammer drill, carrying case, side handle, depth stop, and various drill bits.

SETUP

Attaching the Side Handle and Depth Stop

The adjustable side handle provides additional control and comfort during operation. The depth stop allows for precise drilling depth.

1. Loosen the side handle clamp by rotating it counter-clockwise.
2. Slide the side handle onto the front of the drill body.
3. Insert the depth stop into the hole on the side handle.
4. Adjust the handle and depth stop to the desired position, then tighten the clamp by rotating it clockwise.



Figure 2: Proper adjustment of the depth stop for controlled drilling depth.

Inserting SDS+ Drill Bits

The SDS+ chuck allows for quick and secure insertion of SDS+ bits, ideal for concrete and masonry.

1. Clean the shank of the SDS+ drill bit.
2. Pull back the chuck collar on the drill.

3. Insert the SDS+ bit into the chuck until it clicks into place. Release the collar.
4. Pull on the bit to ensure it is securely locked. There will be a slight play, which is normal for SDS+ systems.



Figure 3: Correct method for inserting an SDS+ drill bit into the tool's chuck.

Inserting Standard Drill Bits (with Chuck Adapter)

For standard round or hex shank drill bits, use the included chuck adapter.

1. First, insert the standard chuck adapter into the SDS+ chuck as described above for SDS+ bits.
2. Open the jaws of the standard chuck using the chuck key.
3. Insert the standard drill bit into the chuck.
4. Tighten the chuck jaws securely around the bit using the chuck key.



Figure 4: Attaching the standard chuck adapter to the SDS+ chuck for use with non-SDS+ bits.

OPERATING THE HAMMER DRILL

Mode Selection

The BEHS01K-QS offers three operating modes: Rotary Drilling, Hammer Drilling, and Chiseling.

- **Rotary Drilling (Drill Icon):** For drilling in wood, metal, plastics, and other materials that do not require impact.
- **Hammer Drilling (Drill + Hammer Icon):** For drilling in concrete, brick, and masonry. This mode combines rotation with impact action.
- **Chiseling (Hammer Icon):** For light demolition work, chipping, and chiseling in concrete or masonry. The rotation is disengaged in this mode.

To select a mode, rotate the mode selector dial located on the side of the drill to the desired icon.



Figure 5: The mode selector dial, allowing selection between rotary drilling, hammer drilling, and chiseling functions.

Starting and Stopping

- To start the drill, press the trigger switch.
- The speed is variable depending on how far the trigger is pressed.
- For continuous operation, press the lock-on button while the trigger is fully depressed.
- To stop the drill, release the trigger. If locked on, press the trigger fully and then release it.

Drilling Operations

Ensure the correct drill bit is installed for the material you are working with.



Figure 6: Example of drilling into a metal surface. Always secure your workpiece.



Figure 7: Drilling into wood. Use the rotary drilling mode for best results.



Figure 8: Overhead drilling. Maintain a firm grip and ensure proper balance.

Chiseling Operations

For chiseling, select the hammer-only mode. Use appropriate chisel bits.



Figure 9: Chiseling a brick wall. Apply steady pressure and let the tool do the work.



Figure 10: Chiseling floor tiles. Ensure proper angle for effective material removal.

MAINTENANCE

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

- **Cleaning:** After each use, clean the tool with a soft cloth. Do not use harsh chemicals or abrasive cleaners. Keep ventilation openings clear of dust and debris.

- **Chuck Maintenance:** Periodically clean the SDS+ chuck to remove dust and debris. Apply a small amount of grease to the SDS+ bit shank before insertion to reduce wear.
- **Cord Inspection:** Regularly inspect the power cord for any damage, cuts, or fraying. If damaged, have it repaired by a qualified service technician.
- **Storage:** Store the tool in its carrying case in a dry, secure location out of reach of children.

TROUBLESHOOTING

This section addresses common issues you might encounter. For problems not listed here, contact BLACK+DECKER customer support.

Problem	Possible Cause	Solution
Tool does not start.	No power supply; damaged cord; faulty switch.	Check power outlet and circuit breaker. Inspect cord for damage. If cord or switch is faulty, seek professional repair.
Reduced drilling performance.	Worn or incorrect drill bit; excessive pressure; motor overheating.	Replace worn bits. Ensure correct bit for material. Reduce pressure. Allow tool to cool down.
Excessive vibration or noise.	Loose bit; internal component issue.	Ensure bit is securely seated. If problem persists, discontinue use and contact service.

SPECIFICATIONS

Feature	Detail
Model Number	BEHS01K-QS
Power Source	Corded Electric
Maximum Power	650 Watts
Maximum Rotational Speed	5500 RPM
Impact Rate	5500 cps/min
Drill Type	Hammer Drill
Chuck Type	SDS+ (with included standard chuck adapter)
Drilling Capacity (Wood)	40 Millimeters
Drilling Capacity (Metal)	13 Millimeters
Material	Plastic, Steel
Item Weight	4.6 Kilograms (approx. 10.12 pounds)
Product Dimensions	15.28 x 4.69 x 12.32 inches
Color	Orange

WARRANTY AND SUPPORT

For warranty information, service, or technical support, please contact BLACK+DECKER customer service or visit their official website. Keep your proof of purchase for warranty claims.

Official Website: www.blackanddecker.com