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› Bosch RH745 SDS-max® 1-3/4 In. Rotary Hammer User Manual

BOSCH RH745

Bosch RH745 SDS-max® 1-3/4 In. Rotary Hammer User Manual

Model: RH745 | Brand: BOSCH

INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your Bosch RH745 SDS-max® 1-3/4 In. Rotary Hammer. Please read this manual thoroughly before using the tool and keep it for future reference.

The Bosch RH745 SDS-max® 1-3/4 In. rotary hammer is engineered for best-in-class drilling and chiseling performance, delivering 8.2 Ft.-Lbs. of impact energy (EPTA). It offers two primary modes of operation: rotary hammer and hammer-only. A variable speed dial allows for precise control during drilling and chiseling tasks. Additionally, the Vario-Lock function enables the chisel to be rotated into 12 different positions, optimizing the working angle for hammer-only applications.



Figure 1: Bosch RH745 SDS-max® 1-3/4 In. Rotary Hammer. This image shows the overall design of the tool, highlighting its robust construction and ergonomic handle.

KEY FEATURES



Figure 2: Detailed view of the Bosch RH745 Rotary Hammer with key features labeled.

- **SDS-max Bit System:** Enables tool-free bit changes, automatic bit-locking, and maximizes impact energy transfer.
- **Vario-Lock Positioning:** Allows the chisel to be rotated into 12 different positions to optimize the working angle for hammer-only applications.
- **Service Minder Light:** Illuminates to indicate when preventative maintenance is required, ensuring optimal tool performance and longevity.
- **Best-in-Class Impact Energy:** Delivers 8.2 Ft.-Lbs. of impact energy (EPTA) for maximum productivity in drilling and chiseling.
- **TURBO™ Power Feature:** Provides 10% more power when operating in hammer-only mode.
- **Variable Speed Dial:** Offers precise control for accurate bit starting and controlled chipping applications.
- **Soft-Grip Rear Handle:** Designed to absorb shock and vibration, enhancing operator comfort and reducing fatigue during extended use.
- **360° Auxiliary Handle:** Provides a wide range of movement and additional operator comfort and control.

1. Safety Precautions

- Always wear appropriate personal protective equipment (PPE), including safety glasses, hearing protection, and gloves.
- Ensure the work area is clear of obstructions and well-lit.
- Verify the power supply matches the tool's voltage requirements (120 Volts).
- Never operate the tool in wet conditions or near flammable materials.

2. Attaching the Auxiliary Handle

The 360° auxiliary handle can be adjusted to various positions for optimal control and comfort. Loosen the handle clamp, position the handle as desired, and securely tighten the clamp before operation.

3. Installing SDS-max Bits

1. Ensure the tool is unplugged from the power source.
2. Clean the shank of the SDS-max bit.
3. Insert the bit into the chuck with a slight twisting motion until it locks into place. The SDS-max system provides tool-free bit changes.
4. Pull on the bit to ensure it is securely seated. There will be a small amount of play, which is normal for SDS-max systems.

OPERATING INSTRUCTIONS

1. Selecting Operating Mode

The Bosch RH745 offers two operating modes:

- **Rotary Hammer Mode:** For drilling into concrete, masonry, and stone with simultaneous rotation and hammering action.
- **Hammer-Only Mode:** For chiseling, chipping, and demolition work without rotation.

Use the mode selector switch on the tool to choose the desired operation.

2. Adjusting Variable Speed

The variable speed dial allows you to match the speed and impact rate to the application and material. Rotate the dial to increase or decrease the speed for controlled drilling and chipping. Lower speeds are recommended for starting holes and delicate work, while higher speeds are suitable for aggressive material removal.

3. Using Vario-Lock for Chiseling

When in hammer-only mode, the Vario-Lock function allows you to adjust the chisel's angle. Engage the Vario-Lock mechanism, rotate the chisel to one of the 12 available positions to optimize your working angle, and then lock it in place. This feature is particularly useful for ergonomic and efficient chiseling in various orientations.

4. General Operation Tips

- Apply steady, firm pressure, but do not force the tool. Let the hammer mechanism do the work.
- For drilling, start at a lower speed to prevent bit walking, then increase to the desired speed.
- Regularly check the bit for wear and replace it when dull to maintain efficiency and prevent damage to the tool.



Figure 3: A worker demonstrating drilling into concrete using the Bosch RH745 rotary hammer. Proper grip and stance are shown.



Figure 4: A worker performing chiseling work on a concrete wall with the Bosch RH745 rotary hammer. This illustrates the hammer-only mode in action.

MAINTENANCE

1. General Cleaning

After each use, clean the tool thoroughly. Remove dust and debris from ventilation openings using compressed air. Wipe down the exterior with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.

2. Service Minder Light

The Bosch RH745 is equipped with a Service Minder Light. When this light illuminates, it indicates that preventative maintenance is required. This typically involves checking carbon brushes, lubrication, and other internal components. It is recommended to have the tool serviced by an authorized Bosch service center when this light appears to ensure continued optimal performance and safety.

3. Lubrication

Periodically apply a small amount of SDS-max grease to the shank of the drill bits before insertion into the chuck. This helps reduce wear on the chuck and bit, and improves performance.

4. Storage

Store the tool in a dry, secure location, out of reach of children. The original carrying case (Figure 5) is ideal for protecting the tool during storage and transport.



Figure 5: The robust blue carrying case for the Bosch RH745 rotary hammer, designed for protection and portability.

TROUBLESHOOTING

If you encounter issues with your Bosch RH745 rotary hammer, please review the following common troubleshooting steps. For problems not listed here or if solutions do not resolve the issue, contact an authorized Bosch service center.

- **Tool does not start:**

- Check if the power cord is securely plugged into a functional outlet.
- Verify the circuit breaker or fuse has not tripped.
- Ensure the on/off switch is fully engaged.

- **Reduced impact or drilling performance:**

- Check if the drill bit or chisel is dull or damaged and replace if necessary.
- Ensure the bit is correctly inserted and locked into the SDS-max chuck.
- Verify the operating mode is correctly selected (Rotary Hammer for drilling, Hammer-Only for chiseling).
- If the Service Minder Light is on, the tool may require professional maintenance.

- **Excessive vibration or unusual noise:**

- Stop operation immediately.
- Inspect the bit for damage or improper seating.

- Check for loose components or foreign objects.
- If the issue persists, discontinue use and seek professional service.

SPECIFICATIONS

The following table details the technical specifications for the Bosch RH745 SDS-max® 1-3/4 In. Rotary Hammer.

Feature	Specification
Brand	BOSCH
Model Number	RH745
Power Source	Corded Electric
Voltage	120 Volts
Amperage	13.5 Amps
Maximum Rotational Speed	305 RPM
Impact Energy (EPTA)	8.2 Foot Pounds
Maximum Chuck Size	13 Millimeters
Drill Type	Hammer Drill
Number of Speeds	2
Special Features	Variable Speed
Product Dimensions	21"L x 4"W x 10.5"H
Item Weight	18.5 Pounds
Material	Blend
Included Components	-- Other -- (Typically includes auxiliary handle, depth gauge, carrying case)
Drilling Capacity Wood	0.5 Inches
Drilling Capacity Metal	0.51 Inches

							
	11255VSR	GBH2-28L	RH328VC	RH540M	11264EVS	11316EVS	RH745
Chuck Type							
Max Bit Diameter	1 In.	1-1/8 In.	1-1/8 In.	1-9/16 In.	1-5/8 In.	—	1-3/4 In.
Amperage	8	8.5	8	12	13	14	13.5
Impact Energy (EPTA)	2.0 Ft.-Lbs.	2.4 Ft.-Lbs.	2.4 Ft.-Lbs.	6.1 Ft.-Lbs.	6.5 Ft.-Lbs.	12.4 Ft.-Lbs.	8.2 Ft.-Lbs.
No-Load BPM	0 – 5,800	0 – 5,460	0 – 4,000	1,500 – 2,900	1,700 – 2,900	900 – 1,890	1,380 - 2,750
No-Load RPM	0 – 1,300	0 – 1,230	0 – 900	170 – 340	170 – 340	—	150 – 305
Mode Functions	3 Modes: Rotary Hammer Hammer Only Rotation Only	3 Modes: Rotary Hammer Hammer Only Rotation Only	3 Modes: Rotary Hammer Hammer Only Rotation Only	2 Modes: Rotary Hammer Hammer Only	2 Modes: Rotary Hammer Hammer Only	Hammer Only	2 Modes: Rotary Hammer Hammer Only
 Vibration Control		✓	✓		✓		
 Variable Speed	✓	✓	✓	✓	✓	✓	✓
 Vario-Lock Positioning	✓	✓	✓	✓	✓	✓	✓
Weight	6.7 Lbs.	6.9 Lbs.	7.7 Lbs.	15.2 Lbs.	15.2 Lbs.	22.5 Lbs.	18.5 Lbs.

Figure 6: A comparative table showcasing the specifications of various Bosch rotary hammers, with the RH745 highlighted for its features like SDS-max, 8.2 Ft.-Lbs. impact energy, and variable speed.

WARRANTY AND SUPPORT

1. Manufacturer's Warranty

The Bosch RH745 SDS-max® 1-3/4 In. Rotary Hammer comes with a **1-year manufacturer warranty**. Additionally, a **30-day money-back guarantee** is provided. Please retain your proof of purchase for warranty claims.

2. Optional Protection Plans

Extended protection plans are available for purchase to provide additional coverage beyond the standard manufacturer's warranty. These plans typically offer coverage for 3 or 4 years. For details on pricing and coverage, please refer to the product's purchase page or contact your retailer.

3. Customer Support

For technical assistance, service, or to locate an authorized service center, please visit the official Bosch website or contact Bosch customer service.

[Visit the Official BOSCH Store](#) for more information and product support.

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