

BOSCH 1191VSRK

Bosch 1191VSRK-RT 1/2-Inch 7-Amp Corded Variable-Speed Hammer Drill User Manual

Model: 1191VSRK-RT

1. INTRODUCTION

This manual provides essential instructions for the safe and effective operation, maintenance, and troubleshooting of your Bosch 1191VSRK-RT 1/2-Inch 7-Amp Corded Variable-Speed Hammer Drill. Please read this manual thoroughly before using the tool to ensure proper handling and to prevent injury or damage.

The Bosch 1191VSRK-RT is a versatile power tool designed for drilling in various materials, including wood, metal, and masonry, with its dual-mode functionality. It features a powerful 7-Amp motor, variable speed control, and a 1/2-inch keyed chuck for secure bit gripping.

2. SAFETY INSTRUCTIONS

Always observe basic safety precautions when using electrical tools to reduce the risk of fire, electric shock, and personal 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. Avoid body contact with earthed or grounded surfaces. Do not expose power tools to rain or wet conditions.
- **Personal Safety:** Always wear eye protection. Use hearing protection when operating for extended periods. Dress properly; avoid loose clothing or jewelry. Secure 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.
- **Dust Management:** When drilling into masonry or concrete, utilize appropriate dust extraction systems like Bosch PRO+GUARD solutions to manage silica dust and comply with safety regulations.

3. COMPONENTS AND FEATURES

Familiarize yourself with the main components of your Bosch hammer drill:

- **1/2-Inch Keyed Chuck:** For securing drill bits.
- **Auxiliary Handle:** Provides additional grip and control.
- **Depth Gauge:** For precise drilling depth control.
- **Mode Selector Switch:** Toggles between rotation-only (drill) and hammer-drill modes.
- **Variable Speed Trigger:** Controls drilling speed.
- **Reversing Switch:** Changes direction of rotation.
- **Lock-on Button:** For continuous operation.



Figure 1: Bosch 1191VSRK-RT Hammer Drill showing key components like the chuck, auxiliary handle, and depth gauge.

4. SETUP

1. Attaching the Auxiliary Handle:

Loosen the auxiliary handle by twisting it counter-clockwise. Slide it over the chuck and position it to your desired angle for optimal control. Tighten by twisting clockwise until secure. The handle can rotate 360 degrees.

2. Installing the Depth Gauge:

Insert the depth gauge rod through the hole in the auxiliary handle. Adjust the depth gauge to the desired drilling depth. The tip of the drill bit should extend beyond the end of the depth gauge by the required drilling depth. Secure the depth gauge by tightening the auxiliary handle.

3. Inserting and Removing Drill Bits:

Ensure the drill is unplugged. Open the chuck jaws by turning the chuck key counter-clockwise. Insert the drill bit fully into the chuck. Tighten the chuck jaws firmly using the chuck key in all three holes to ensure the bit is securely gripped. To remove, loosen the chuck jaws and pull the bit out.

4. Power Connection:

Connect the drill's power cord to a standard 120V AC power outlet. Ensure the power outlet is properly grounded.



Figure 2: Bosch 1191VSRK-RT Hammer Drill shown with its carrying case, illustrating the tool's portability and storage.

5. OPERATING INSTRUCTIONS

1. Selecting Operating Mode:

Locate the mode selector switch on the side of the drill. Slide the switch to the **drill symbol** for rotation-only drilling in wood, metal, or plastic. Slide the switch to the **hammer symbol** for hammer-drill action, suitable for masonry and concrete.

2. Variable Speed Control:

The drill features a variable-speed trigger. Press the trigger lightly for lower speeds and increase pressure for higher speeds. This allows for precise control, especially when starting a hole.

3. Reversing Function:

The reversing switch, typically located above the trigger, allows you to change the direction of rotation. Use the forward direction for drilling and the reverse direction for removing fasteners or freeing a stuck drill bit.

4. Starting the Drill:

Hold the drill firmly with both hands. Position the drill bit at the desired drilling location. Press the variable speed trigger to start the drill. For continuous operation, press the lock-on button while the trigger is depressed, then release the trigger. To stop, press the trigger again.

5. Drilling Techniques:

- **Wood/Metal:** Use rotation-only mode. Apply steady, even pressure. For metal, use cutting fluid and start with a pilot hole for larger diameters.
- **Masonry/Concrete:** Use hammer-drill mode. Apply firm, consistent pressure. Allow the hammer action to do the work. Do not force the drill.

6. Dust Management (PRO+GUARD):

When performing tasks that generate dust, especially silica dust from concrete or masonry, connect your Bosch PRO+GUARD dust extraction system to the drill (if applicable) to maintain a cleaner work environment and comply with safety standards.



Figure 3: Illustrates the proper two-hand grip and operation of the Bosch hammer drill during a drilling task.



Figure 4: Depicts the hammer drill in action, demonstrating its capability to drill into concrete surfaces.

6. MAINTENANCE

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

- **Cleaning:** After each use, wipe down the tool with a clean, damp cloth. Use compressed air to clear dust from ventilation openings. Do not use harsh chemicals or abrasive cleaners.
- **Chuck Maintenance:** Periodically clean the chuck jaws to ensure proper gripping of bits. Apply a small amount of light machine oil to the chuck jaws if they become stiff.
- **Cord Inspection:** Regularly inspect the power cord for any signs of damage, cuts, or fraying. Replace damaged cords immediately to prevent electrical hazards.
- **Storage:** Store the drill in a dry, secure location, out of reach of children. Use the provided carrying case for protection during storage and transport.
- **Service:** For internal maintenance or repairs, contact an authorized Bosch service center.

7. TROUBLESHOOTING

Refer to this section for common issues and their potential solutions.

Problem	Possible Cause	Solution
Drill does not start.	No power supply; damaged cord; faulty switch.	Check power outlet and circuit breaker. Inspect power cord. If cord or switch is faulty, seek professional repair.
Loss of power during operation.	Overload; motor overheating.	Reduce pressure on the drill. Allow the tool to cool down. Ensure ventilation openings are clear.
Drill bit slips in chuck.	Chuck not tightened sufficiently; worn chuck jaws; dirty chuck.	Ensure chuck is tightened securely with the chuck key in all three holes. Clean chuck jaws. If problem persists, chuck may need replacement.
Excessive vibration or noise.	Bent drill bit; internal damage.	Replace bent drill bits. If internal damage is suspected, discontinue use and seek professional repair.

8. SPECIFICATIONS

Feature	Detail
Brand	BOSCH
Model Number	1191VSRK-RT
Power Source	Corded Electric
Voltage	120 Volts
Amperage	7 Amps
Maximum Rotational Speed	3000 RPM
Maximum Chuck Size	0.5 Inches
Drill Type	Hammer Drill
Item Weight	4.1 Pounds (Tool only)
Product Dimensions	15.8 x 14.1 x 4.5 inches (approximate, with case)
Special Feature	Variable Speed

9. WARRANTY INFORMATION

This Bosch 1191VSRK-RT hammer drill comes with a **90-day limited warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims. For full details and terms, refer to the warranty documentation provided with your product or contact Bosch customer service.

10. CUSTOMER SUPPORT

Should you require assistance, have questions regarding your Bosch 1191VSRK-RT hammer drill, or need to arrange for service, please contact Bosch customer support. Refer to the official Bosch website or product packaging for the most current contact information.

For additional resources and product information, visit the official Bosch Tools website:
www.boschtools.com

