Makita HR4001C

Makita HR4001C 1100W Rotary Hammer Drill User Manual

Model: HR4001C | Brand: Makita

Product Overview

The Makita HR4001C is a powerful 1100W rotary hammer drill designed for heavy-duty drilling and chiseling tasks in concrete and masonry. It features an SDS-Max chuck system for quick bit changes and efficient power transfer. This tool is equipped with advanced features for enhanced performance and user comfort.



Figure 1: The Makita HR4001C Rotary Hammer Drill, showcasing its robust design and an attached SDS-Max drill bit, ready for heavy-duty applications.

Safety Instructions

Always observe the following safety precautions to reduce the risk of electric shock, fire, and serious 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. 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 hearing protection when operating the tool for extended periods. Wear appropriate work gloves. Secure workpiece before operating.
- **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.

Setup and Assembly

Attaching the Side Handle

The side handle provides additional control and stability during operation. Loosen the handle clamp, slide the handle onto the tool's barrel, and tighten the clamp securely in a comfortable position.

Installing the Depth Stop

Insert the depth stop rod into the hole on the side handle. Adjust the rod to the desired drilling depth and secure it by tightening the screw on the handle.

Inserting SDS-Max Bits

1. Clean the shank of the SDS-Max bit and apply a small amount of grease (supplied) to the bit end.
2. Insert the bit into the chuck until it locks into place. Pull the bit lightly to ensure it is securely seated. The SDS-Max system allows for slight axial play, which is normal.
3. To remove the bit, pull back the chuck cover and pull the bit out.

Operating Instructions

Mode Selection

The HR4001C features a mode selector switch to choose between different operating modes:

- **Rotation with Hammering:** For drilling into concrete, masonry, and stone.
- **Hammering Only:** For chiseling, chipping, and demolition work.

Rotate the mode selector to the desired icon. Ensure the tool is unplugged when changing modes.



Figure 2: The Makita HR4001C in operation, demonstrating its capability to drill into concrete surfaces with precision and power.

Starting and Stopping

To start the tool, press the trigger switch. The tool features a soft start function for smooth operation. To stop, release the trigger switch.

Variable Speed Control

The tool's speed and impact rate can be adjusted using the variable speed dial. Turn the dial to increase or decrease the operating speed and impact frequency according to the material and application.

Torque Limiter

The built-in torque limiter is designed to stop the rotation of the bit if it jams. This protects both the operator and the tool from sudden kickback.



Figure 3: The Makita HR4001C being used for chiseling, effectively breaking up concrete debris, highlighting its versatility in demolition tasks.

Maintenance

Regular maintenance ensures optimal performance and extends the life of your tool.

- **Cleaning:** Keep the tool's ventilation openings clean to prevent overheating. Wipe down the tool with a clean cloth after each use.
- **Lubrication:** Periodically apply grease to the SDS-Max bit shank before insertion to ensure smooth operation and reduce wear.
- **Carbon Brushes:** The tool is equipped with auto-stop carbon brushes. When the brushes wear down, the tool will automatically stop. Replace both carbon brushes at the same time. Refer to a qualified service center for brush replacement.
- **Inspection:** Regularly inspect the power cord for damage. Do not use the tool if the cord is damaged.

Troubleshooting

Problem	Possible Cause	Solution
Tool does not start.	No power supply; Worn carbon brushes.	Check power connection; Replace carbon brushes (professional service recommended).
Reduced drilling/chiseling performance.	Dull bit; Incorrect mode selection; Worn carbon brushes.	Replace bit; Select correct mode; Replace carbon brushes.
Tool stops during operation.	Overload protection activated; Worn carbon brushes.	Reduce load; Allow tool to cool; Replace carbon brushes.

Specifications

Feature	Specification
Model Number	HR4001C
Power Input	1100 W
Impact Energy	6.8 J
No-load Speed	235-480 rpm
Impact Rate	1350-2750 bpm
Drilling Capacity (Concrete)	40 mm
Drilling Capacity (Core Bit)	105 mm
Chuck Type	SDS-Max
Vibration Level	12.5 m/s²
Weight	6.3 kg
Voltage	240 Volts
Dimensions (L x W x H)	17 x 48 x 65 cm

Warranty and Support

Makita power tools are manufactured under strict quality control standards. For warranty information and support, please refer to the warranty card included with your product or visit the official Makita website. Keep your purchase receipt as proof of purchase for warranty claims.
For technical assistance or service, contact an authorized Makita service center.

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