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Makita DHR263Z

Makita DHR263Z Battery Rotary Hammer User Manual

Model: DHR263Z

Introduction

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Makita DHR263Z Battery Rotary Hammer. Please read this manual thoroughly before using the tool to ensure proper handling and to prevent injury or damage.

The Makita DHR263Z is a powerful cordless rotary hammer designed for drilling into concrete, steel, and wood, as well as for light chiseling applications. It operates on two 18V Li-Ion batteries, providing 36V performance without the need for a battery converter.

Safety Instructions

Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury. Keep this manual for future reference.

General Power Tool Safety Warnings

- **Work Area Safety:** Keep 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. Power tools create sparks which may ignite the dust or fumes.
- **Electrical Safety:** Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
- **Personal Safety:** Always wear eye protection. Use appropriate personal protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection for appropriate conditions.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.
- **Battery Tool Use and Care:** Recharge only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.

Product Overview

The Makita DHR263Z is engineered for durability and performance. Key features include:

- Accepts 2 x 18V Li-Ion batteries for 36V power.

- Optimized balance due to center of gravity near the rear handle.
- Torque limiter for enhanced operator safety and motor protection.
- 40 angle bit positions for chiseling.
- Rubber housing bumper for switch and gear housing protection.
- LED job light with afterglow.
- One-touch sliding chuck for quick bit changes.
- Sliding rear handle for vibration absorption.
- Ergonomic soft rubber grip for comfortable operation.



Figure 1: Main view of the Makita DHR263Z Battery Rotary Hammer, showing the tool's overall design, handle, and chuck.

Setup

Battery Installation

1. Ensure the tool is switched off.
2. Align the two 18V Li-Ion battery packs with the battery slots on the tool.
3. Slide the battery packs into the slots until they click into place. Ensure they are fully seated.
4. To remove, press the release button on each battery pack and slide them out.

Bit Installation (SDS-Plus)

1. Clean the shank of the SDS-Plus bit.
2. Pull back the chuck cover (one-touch sliding chuck).

3. Insert the bit into the chuck until it locks. Release the chuck cover.
4. Pull on the bit to ensure it is securely locked. A slight play is normal for SDS-Plus systems.
5. To remove, pull back the chuck cover and pull the bit out.



Figure 2: The Makita DHR263Z in operation, demonstrating its use for drilling into a concrete surface. Note the auxiliary handle for control.

Operating Instructions

Mode Selection

The DHR263Z features a mode selector switch to choose between drilling, hammer drilling, and chiseling modes.

- **Drilling Mode:** For drilling into wood or metal. No hammering action.
- **Hammer Drilling Mode:** For drilling into concrete or masonry. Combines rotation with hammering.
- **Chiseling Mode:** For light demolition or chiseling. Rotation is disengaged, only hammering action.

Rotate the mode selector switch to the desired icon. Ensure the switch clicks firmly into place.

Operation

1. Ensure the correct bit is installed and the mode is selected.
2. Hold the tool firmly with both hands, utilizing the auxiliary handle for stability.
3. Position the bit on the workpiece.
4. Press the trigger switch to start the tool. The variable speed trigger allows for controlled starting.
5. Apply steady, even pressure. Do not force the tool.
6. The LED job light will illuminate the work area during operation.



Figure 3: Side view of the Makita DHR263Z in use, highlighting the battery placement and ergonomic design during a drilling task.

Maintenance

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

Cleaning

- After each use, wipe down the tool with a clean, dry cloth.
- Remove any dust or debris from the ventilation openings to prevent overheating.
- Clean the chuck regularly to ensure smooth bit changes.

Lubrication

Apply a small amount of grease to the shank of SDS-Plus bits before insertion to reduce wear on the chuck.

Battery Care

- Store batteries in a cool, dry place away from direct sunlight.
- Do not store batteries in a discharged state for extended periods.
- Use only genuine Makita chargers for recharging.

Troubleshooting

Problem	Possible Cause	Solution
Tool does not start.	Batteries are not charged or not properly installed.	Charge batteries fully and ensure they are securely clicked into place.
Reduced drilling performance.	Worn or dull drill bit. Incorrect mode selected.	Replace with a sharp bit. Verify the mode selector is set to hammer drilling for concrete.
Tool stops during operation.	Overload protection activated (torque limiter).	Reduce pressure. If bit jams, release trigger, clear obstruction, and restart.
Excessive vibration.	Loose bit or worn components.	Ensure bit is properly seated. If problem persists, contact authorized service center.

Specifications

Feature	Value
Model Number	DHR263Z
Power Source	Battery Powered (2 x 18V Li-Ion)
Voltage	36 Volts
No Load Speed	0 - 1,250 RPM
Blows Per Minute (BPM)	0 - 5,000 BPM
Impact Energy	3.0 J (2.2 ft. lbs)
Drilling Capacity (Concrete)	1" (26 mm)
Drilling Capacity (Steel)	1/2" (13 mm)
Drilling Capacity (Wood)	1-1/4" (32 mm)
Chuck Type	SDS-Plus
Net Weight	7.5 lbs (3.4 kg)

Feature	Value
Overall Length	13-3/4" (350 mm)
Vibration Level	14.5 m/s²
Noise Level	94 dB(A)

Warranty and Support

Makita power tools are manufactured under strict quality control standards. For specific warranty information, 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 technical support, service, or genuine replacement parts, please contact an authorized Makita service center. You can find contact information and service center locations on the official Makita website: www.makitatools.com.

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