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› [DESHUO 1-1/2" SDS-Max Heavy Duty Rotary Hammer Drill Instruction Manual](#)

DESHUO 38HA

DESHUO 1-1/2" SDS-Max Heavy Duty Rotary Hammer Drill

Model: 38HA | Brand: DESHUO

INTRODUCTION

Thank you for choosing the DESHUO 1-1/2" SDS-Max Heavy Duty Rotary Hammer Drill. This powerful and versatile tool is engineered for demanding tasks such as drilling, chipping, and demolition in concrete, masonry, and brick. To ensure safe operation, optimal performance, and longevity of your tool, please read this instruction manual thoroughly before initial use. Keep this manual for future reference.



The DESHUO 1-1/2" SDS-Max Heavy Duty Rotary Hammer Drill, shown with its carrying case, drill bit, chisels, wrench, carbon brushes, and grease tube.

SAFETY INSTRUCTIONS

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

General Power Tool Safety

- **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 (safety glasses or goggles) and hearing protection. Use a

dust mask when working in dusty conditions. 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.

Specific Rotary Hammer Drill Safety

- **SDS-Max Compatibility:** This rotary hammer drill is designed exclusively for SDS-Max bits. **DO NOT** attempt to use regular drills, SDS Plus (SDS+), or other types of bits. Using incompatible bits can cause damage to the tool and lead to injury.
- **Safety Clutch:** The tool is equipped with a built-in safety clutch. This mechanism disengages torque transmission if the drill bit binds or jams during operation, preventing sudden rotational forces that could injure the user. Always maintain a firm grip on the tool.
- **Vibration Control:** The integrated vibration control system helps reduce user fatigue during extended use. However, it is still recommended to take breaks and use anti-vibration gloves for prolonged operations.
- **Auxiliary Handle:** Always use the 360° adjustable auxiliary handle for maximum control and stability, especially during heavy-duty applications.

SAFETY CLUTCH

The torque transmission can be disconnected if the drill bit is jammed



The safety clutch disengages torque if the bit jams, protecting the user and the tool.

PRODUCT OVERVIEW

Familiarize yourself with the components and key features of your DESHUO Rotary Hammer Drill.

Components



Key components of the DESHUO Rotary Hammer Drill.

- **SDS-Max Tool-Free System:** Allows for quick and easy bit changes.
- **3 Function Knob:** Selector for different operating modes.
- **External Grease Filler:** For convenient lubrication.
- **Vibration Control System:** Reduces vibration for user comfort.
- **ON/OFF Switch:** Power control for the tool.
- **Ergonomic Rubber Handle:** Provides a comfortable and secure grip.
- **Replaceable Carbon Brush:** User-serviceable component for motor longevity.
- **360° Adjustable Handle:** Auxiliary handle for versatile positioning.

Key Features

- **Powerful Motor:** 12.5 Amp motor delivers 0-620 RPM and 0-4,200 BPM.
- **High Impact Energy:** Provides 5.9 ft. lbs. (8 Joules) of impact energy for fast drilling and chipping in concrete.

- **Lightweight Design:** Weighs only 13.45 lbs, making it manageable for heavy-duty tasks.
- **Versatile Applications:** Suitable for drilling holes, removing tiles, and heavy-duty demolition in concrete, brick, masonry, walls, and floors.

5.9 FT.LBS. **IMPACT ENERGY**

Easily Drilling in Heavy Duty Concrete Projects
The Perfect Choice for Professional
Engineerin or Commercial Projects



The drill's high impact energy allows for efficient work on heavy concrete projects.

SDS-MAX ROTARY HAMMER WEIGHS ONLY 13.45 LBS

Easily Chips and Breaks up Bricks, Concrete, Tiles



Despite its heavy-duty capabilities, the SDS-Max rotary hammer weighs only 13.45 lbs, making it suitable for various demolition and drilling tasks.

SETUP

Before operating the tool, perform the following setup steps:

1. **Unpacking:** Carefully remove the rotary hammer drill and all accessories from the carrying case. Inspect for any shipping damage.
2. **Check Grease Level:** Before first use, and periodically thereafter, check the grease level in the external grease filler. If needed, use the provided grease tube to lubricate the mechanism. Ensure the cap is securely fastened after checking/filling.
3. **Attach Auxiliary Handle:** Loosen the auxiliary handle clamp and slide the handle onto the tool's barrel. Adjust the handle to a comfortable and secure position (360° adjustable) and tighten the clamp firmly.

OPERATING INSTRUCTIONS

Understand the different modes and proper techniques for effective operation.

Selecting Operating Modes

The multi-function selector knob allows you to choose between three operating modes:

3 FUNCTION KNOB



Chisel Position Adjustment



Hammer Only



Rotary Hammer

The 3-function knob allows selection of operating modes.

- **Rotary Hammer Mode (Drilling with Hammering):** Ideal for drilling into concrete, masonry, and stone. This mode combines rotation with powerful hammering action.
- **Hammer Only Mode (Chipping/Demolition):** Used for chiseling, breaking, and demolition work without rotation. Perfect for removing tiles or breaking up concrete.
- **Vario-Lock (Chisel Position Adjustment):** This setting allows you to rotate the chisel to the desired working angle without the hammering or rotation function. Once the angle is set, switch back to Hammer Only mode.

SDS-Max Bit Installation and Removal

The SDS-Max system provides tool-free bit changes and ensures maximum impact energy transfer.

1. **Installation:** Clean the shank of the SDS-Max bit. Pull back the chuck collar, insert the bit into the chuck until it clicks into place. Release the collar. Pull on the bit to ensure it is securely locked. The bit should have a slight axial play; this is normal and necessary for the hammering mechanism.

2. **Removal:** Pull back the chuck collar firmly and hold it. The bit will release and can be pulled out.

Drilling and Chipping Techniques

- **Drilling:** In Rotary Hammer mode, apply steady, firm pressure. Let the tool do the work; excessive force can reduce efficiency and damage the bit or tool.
- **Chipping/Demolition:** In Hammer Only mode, position the chisel at the desired angle. Use the weight of the tool and controlled movements to break material. For precise angle adjustments, use the Vario-Lock setting.



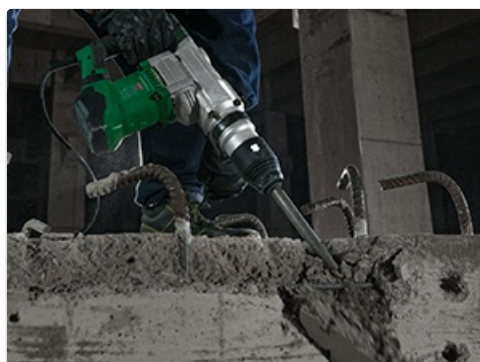
Drilling into a concrete wall.



Chipping concrete with the hammer function.



Creating a slot in a wall.



MAINTENANCE

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

- **Lubrication:** Periodically check and replenish the grease in the external grease filler. Proper lubrication is crucial for the hammering mechanism.
- **Carbon Brush Replacement:** The tool uses replaceable carbon brushes. If the motor performance decreases or sparks become excessive, the carbon brushes may need replacement. Refer to the diagram in the Product Overview section for the location of the replaceable carbon brush cover. Use the provided spare carbon brushes and consult a qualified technician if unsure.
- **Cleaning:** After each use, clean the tool thoroughly. Remove dust and debris from ventilation openings. Do not use harsh chemicals or abrasive cleaners.
- **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 customer support.

Problem	Possible Cause	Solution
Tool does not start	No power supply; Faulty switch; Worn carbon brushes.	Check power connection; Test switch; Replace carbon brushes.
Reduced hammering action	Insufficient lubrication; Worn hammering mechanism; Incorrect mode selection.	Check and add grease; Contact service center; Ensure correct mode is selected.
Bit not locking in chuck	Incorrect bit type (not SDS-Max); Chuck mechanism dirty or damaged.	Ensure SDS-Max bit is used; Clean chuck; Contact service center if damaged.
Tool overheats quickly	Prolonged heavy use; Blocked ventilation; Insufficient lubrication.	Allow tool to cool down; Clean ventilation openings; Check grease level.
Excessive sparking from motor	Worn carbon brushes.	Replace carbon brushes.

SPECIFICATIONS

Attribute	Value
Brand	DESHUO

Attribute	Value
Model Number	38HA
Power Source	Corded Electric
Voltage	120 Volts (AC)
Amperage	12.5 Amps
Maximum Power	1500 Watts
Maximum Rotational Speed	620 RPM
Impact Energy	5.9 ft. lbs. (8 Joules)
Blows Per Minute (BPM)	0-4,200 BPM
Chuck Type	SDS-Max
Maximum Chuck Size	1.5 Inches
Item Weight	13.45 Pounds
Product Dimensions	16.29"L x 9.84"W x 4.52"H
Material	Metal/Plastic
Color	Green/Black
Special Features	Adjustable Handle, Adjustable Mode, Heavy-Duty, Vibration Control, Safety Clutch

WARRANTY AND SUPPORT

DESHUO provides a **24-month warranty service** for this product, covering defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

For technical assistance, warranty claims, or general inquiries, please contact DESHUO customer support through the retailer's platform or the official DESHUO website. When contacting support, please have your product model number (38HA) and purchase date ready.