Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

Makita HP2050

Makita HP2050 3/4" Hammer Drill Instruction Manual

Model: HP2050 | Brand: Makita

Introduction

This manual provides detailed instructions for the safe and effective use of your Makita HP2050 3/4" Hammer Drill. The HP2050 is a powerful tool designed for demanding applications, featuring a 6.6 amp motor, 2-mode operation, and a torque-limiting clutch for enhanced safety. Please read this manual thoroughly before operation and keep it for future reference.

Important Safety Information

Always follow basic safety precautions when using electric tools to reduce the risk of fire, electric shock, and personal injury.

- Wear appropriate personal protective equipment, including eye protection, hearing protection, and gloves.
- Ensure the work area is well-lit and clear of obstructions.
- Keep children and bystanders away while operating the tool.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- Always disconnect the drill from the power source before making any adjustments, changing accessories, or storing the tool.
- Use the correct drill bit for the material being drilled.
- Secure the workpiece to prevent movement during drilling.
- Avoid accidental starting. Ensure the switch is in the off-position before plugging in.
- Maintain the tool with care. Keep cutting tools sharp and clean.
- Do not abuse the cord. Never use the cord for carrying, pulling, or unplugging the power tool.

Components Overview

Familiarize yourself with the main components of your Makita HP2050 Hammer Drill.



Image: The Makita HP2050 Hammer Drill shown with its teal carrying case. The drill features a teal and silver body, a black handle, and a chuck at the front. The case has a red Makita logo.



Image: A side view of the Makita HP2050 Hammer Drill, highlighting its ergonomic design, chuck, and side handle attachment point. The drill is teal and silver with a black grip.



Image: The Makita HP2050 Hammer Drill, its power cord, side handle, and instruction manual neatly stored inside its open teal carrying case.



Image: The closed teal carrying case for the Makita HP2050 Hammer Drill, featuring the prominent red Makita logo on the front.

Key Parts:

- **Chuck:** Holds the drill bit securely.
- **Side Handle:** Provides additional grip and control during operation.
- **Mode Selector:** Allows switching between "Rotation Only" and "Hammering with Rotation" modes.
- **Trigger Switch:** Activates the drill and controls speed.

- **Depth Gauge:** Used to set the desired drilling depth.
- **Power Cord:** Connects the drill to an electrical outlet.

Setup

1. Attaching the Side Handle

1. Loosen the side handle by twisting it counter-clockwise.
2. Slide the side handle onto the front of the drill body, behind the chuck.
3. Adjust the handle to a comfortable and secure position.
4. Tighten the side handle by twisting it clockwise until it is firmly secured.

2. Installing a Drill Bit

1. Ensure the drill is unplugged from the power source.
2. Open the chuck jaws by rotating the chuck key (if applicable) or by hand if it's a keyless chuck, counter-clockwise.
3. Insert the shank of the drill bit fully into the chuck.
4. Tighten the chuck jaws by rotating the chuck key or by hand, clockwise, until the bit is securely gripped. Ensure the bit is centered.
5. Remove the chuck key immediately after tightening to prevent it from flying off during operation.

3. Setting the Depth Gauge (Optional)

1. Insert the depth gauge into the hole on the side handle.
2. Adjust the gauge so that the desired drilling depth is achieved when the tip of the gauge touches the workpiece.
3. Tighten the side handle to secure the depth gauge in place.

Operating Instructions

1. Selecting the Operating Mode

The HP2050 offers two operating modes:

- **Rotation Only:** For drilling into wood, metal, and plastic. Use the mode selector to set the drill to the rotation symbol.
- **Hammering with Rotation:** For drilling into masonry, concrete, and brick. Use the mode selector to set the drill to the hammer and drill bit symbol. The positive-stop mode selector helps prevent accidental mode disengagement.

2. Variable Speed Control

The drill features a variable speed trigger. The speed can be adjusted from 0-1,200 RPM in low gear and 0-2,900 RPM in high gear by varying the pressure on the trigger switch. A variable speed control dial is also present for precise speed setting.

3. Drilling Techniques

When drilling, apply steady, even pressure. Do not force the drill, allow the tool to do the work. For hammer drilling into masonry, ensure the hammer mode is engaged. The drill's torque-limiting clutch will automatically disengage if the bit binds, reducing gear damage and enhancing user safety. Always hold the drill firmly with both hands, especially when using the hammer function, to maintain control.



Maintenance

Regular maintenance ensures the longevity and optimal performance of your Makita HP2050 Hammer Drill.

- **Cleaning:** After each use, wipe down the drill with a clean, damp cloth. Do not use harsh chemicals or abrasive cleaners. Keep ventilation openings clear of dust and debris.
- **Carbon Brushes:** The carbon brushes are wear items and should be inspected periodically. Replace them when they are worn down to the limit mark. Refer to a qualified service center for carbon brush replacement to ensure proper installation and extended service life.
- **Lubrication:** This tool is factory lubricated and does not require additional lubrication under normal use.
- **Storage:** Store the drill in a dry, secure location, out of reach of children. Use the provided carrying case for protection.
- **Cord Inspection:** Regularly inspect the power cord for any signs of damage. If damaged, have it repaired by a qualified service technician.

Troubleshooting

Problem	Possible Cause	Solution
Drill does not start.	No power supply; Faulty power cord; Trigger switch issue.	Check power outlet and circuit breaker; Inspect power cord for damage; Contact service center.
Drill bit binds or stops.	Overload; Incorrect bit for material; Bit dull or damaged.	Reduce pressure; Use appropriate bit; Replace bit; Allow drill to cool. The torque-limiting clutch should disengage automatically.

Problem	Possible Cause	Solution
Excessive vibration.	Bent drill bit; Loose chuck; Internal issue.	Replace bent bit; Re-tighten chuck; Contact service center. The "No Hammering when Idling" function minimizes vibration under no load.
Reduced drilling performance.	Worn carbon brushes; Dull drill bit; Incorrect mode.	Replace carbon brushes; Sharpen or replace drill bit; Ensure correct mode (hammering for masonry) is selected.

Specifications

Feature	Detail
Model Number	HP2050
Power Source	Corded Electric
Amperage	6.6 Amps
Voltage	240 Volts
Maximum Rotational Speed	2900 RPM
No Load Speed (Low)	0-1,200 RPM
No Load Speed (High)	0-2,900 RPM
Blows Per Minute (BPM)	0-4,500 BPM
Item Weight	5.5 pounds (2.5 Kilograms)
Product Dimensions	12"L x 12"W x 11.5"H
Chuck Size	10 Millimeters (3/8 inch)
Drill Type	Hammer Drill
Included Components	Makita - 3/4 Hammer Drill (HP2050)

Warranty and Support

Warranty Information

The Makita HP2050 Hammer Drill typically comes with a**1-year limited warranty** from the date of purchase, covering defects in materials and workmanship. Please retain your proof of purchase for warranty claims. For specific warranty terms and conditions, refer to the warranty card included with your product or visit the official Makita website.

Customer Support

For technical assistance, service, or to inquire about replacement parts, please contact Makita customer support. You can find contact information on the official Makita website or through your local authorized Makita service center. Always provide your product model number (HP2050) and serial number (if applicable) when seeking support.
You can also visit the official Makita store for more information:Makita Store on Amazon

© 2024 Makita Corporation. All rights reserved.
This manual is for informational purposes only. Specifications are subject to change without notice.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

https://manuals.plus/asin/B000I6PI1W

More documents and user manuals: **https://manuals.plus/**