

Makita HP1630

Makita HP1630 Impact Drill User Manual

Model: HP1630

1. INTRODUCTION

This manual provides essential instructions for the safe operation, maintenance, and care of your Makita HP1630 Impact Drill. Please read this manual thoroughly before using the tool to ensure proper and safe operation. Keep this manual accessible for future reference.



Image 1: The Makita HP1630 Impact Drill. This image displays the complete drill unit, highlighting its compact design and ergonomic grip.

2. GENERAL SAFETY INSTRUCTIONS

WARNING: Read all safety warnings, instructions, illustrations, and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.

2.1 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.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

2.2 Electrical Safety

- Power tool plugs must match the outlet. Never modify the plug in any way.
- 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.
- Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.

2.3 Personal Safety

- Always wear eye protection. Use safety glasses, goggles, or a face shield.
- Wear hearing protection when operating impact drills.
- Dress properly. Do not wear loose clothing or jewelry. Keep your hair and clothing away from moving parts.
- Stay alert, watch what you are doing, and use common sense when operating a power tool.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- Makita HP1630 Impact Drill Unit
- Chuck Key
- Side Grip

4. PRODUCT FEATURES

The Makita HP1630 Impact Drill is designed for efficient drilling in various materials. Key features include:

- **High Power 710W Motor:** Provides robust performance for demanding tasks.
- **Ergonomically Designed Handle:** Features a rubberized soft grip for enhanced comfort and control during operation.
- **Sturdy Cylinder-shaped Motor Housing:** Ensures durability and stability.
- **Double Insulation:** For increased user safety.
- **Variable Speed Control:** Allows adjustment of drilling speed to match the material and application.
- **Dual-Operation Mode:** Offers both rotation-only and hammering with rotation modes for versatility.



Image 2: Diagram illustrating key features of the Makita HP1630 Impact Drill, including the sturdy aluminum gear housing, dual-operation mode selector, 710W continuous rating input, variable speed control switch with F/R change lever, and rubberized soft grip.

5. SETUP

5.1 Attaching the Side Grip

1. Loosen the side grip by turning it counter-clockwise.
2. Slide the side grip onto the front of the drill housing.
3. Adjust the grip to a comfortable position for your drilling task.
4. Tighten the side grip by turning it clockwise until secure.

5.2 Installing/Removing Drill Bits

1. Ensure the drill is unplugged from the power source before changing bits.
2. Insert the chuck key into one of the holes on the chuck.
3. Turn the chuck key counter-clockwise to open the chuck jaws.
4. Insert the drill bit fully into the chuck.
5. Turn the chuck key clockwise to tighten the chuck jaws securely around the drill bit. Ensure the bit is

centered.

6. Remove the chuck key immediately after tightening.
7. To remove a bit, reverse the tightening process.

6. OPERATING INSTRUCTIONS

6.1 Powering On/Off

- To start the drill, press the trigger switch.
- To stop, release the trigger switch.
- For continuous operation, press the trigger switch and then push in the lock button. To release, press the trigger switch again.

6.2 Variable Speed Control

The drill features a variable speed trigger. The drilling speed increases as you press the trigger further. This allows for precise control depending on the material and application.

6.3 Forward/Reverse Rotation

A lever located above the trigger switch controls the direction of rotation:

- Push the lever to the left for forward (clockwise) rotation.
- Push the lever to the right for reverse (counter-clockwise) rotation.
- Always ensure the drill has come to a complete stop before changing the rotation direction.

6.4 Drilling Mode Selection (Rotation Only / Hammering with Rotation)

The mode selector switch is located on the top of the drill housing:

- For drilling in wood, metal, or plastic, set the switch to the **rotation only** symbol (drill bit icon).
- For drilling in masonry or concrete, set the switch to the **hammering with rotation** symbol (hammer and drill bit icon).
- Ensure the drill is switched off before changing the drilling mode.

7. MAINTENANCE

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

7.1 Cleaning

- Always unplug the tool before performing any cleaning or maintenance.
- Clean the tool's ventilation openings regularly to prevent overheating. Use a soft brush or compressed air.

- Wipe the exterior of the tool with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.

7.2 Carbon Brushes

The motor employs carbon brushes. When they are worn, the motor will automatically stop. Replace both carbon brushes at the same time. Contact a Makita authorized service center for brush replacement.

7.3 Storage

Store the drill in a clean, dry place, out of reach of children and away from direct sunlight or extreme temperatures.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Drill does not start.	No power supply. Faulty power cord/plug. Worn carbon brushes.	Check power outlet and connections. Inspect cord for damage; replace if necessary. Contact service center for brush replacement.
Loss of power during operation.	Overload. Worn carbon brushes.	Reduce pressure on the drill. Contact service center for brush replacement.
Excessive vibration or noise.	Loose drill bit. Damaged internal components.	Ensure drill bit is securely tightened. Discontinue use and contact a service center.

If the problem persists after attempting these solutions, please contact an authorized Makita service center.

9. SPECIFICATIONS

Specification	Value
Model	HP1630
Continuous Rating Input	710W
Voltage	220 Volts
Maximum Chuck Size	0.62 Inches (16mm)
Drilling Capacity (Concrete)	16mm (5/8")
Drilling Capacity (Steel)	13mm (1/2")

Specification	Value
Drilling Capacity (Wood)	30mm (1-3/16")
Impacts per Minute (ipm)	0-48,000
No Load Speed (rpm)	0-3,200
Dimensions (L x W x H)	296 x 75 x 204 mm (11-5/8" x 2-15/16" x 8")
Item Weight	2.1 kg (2100 Grams)
Power Source	Corded Electric
Special Feature	Variable Speed
Country of Origin	Japan

HP1630 16mm (5/8")	
	HP1630
Continuous rating Input Capacity	710W
	Concrete : 16mm (5/8")
	Steel : 13mm (1/2")
	Wood : 30mm (1-3/16")
Impacts per minute (ipm)	0-48,000
No load speed (rpm)	0-3,200
Dimensions (L x W x H)	296 x 75 x 204mm
	(11-5/8" x 2-15/16" x 8")
Net weight	1.9kg (4.2lbs)
Power supply cord	2.0m (6.6ft)
Standard Equipment Side grip, Chuck key	

Image 3: A detailed table outlining the technical specifications of the Makita HP1630 Impact Drill, including continuous rating input, drilling capacities for various materials, impacts per minute, no-load speed, dimensions, and net weight.

10. WARRANTY AND SUPPORT

10.1 Warranty Information

Makita power tools are subject to rigorous inspection and testing before leaving the factory. This product is covered by Makita's standard warranty against defects in materials and workmanship. Please refer to the warranty card included with your product for specific terms and conditions, or visit the official Makita website. An optional 1-year extended warranty may be available for purchase. Please check with your retailer for details.

10.2 Customer Support

For technical assistance, service, or spare parts, please contact an authorized Makita service center.

Manufacturer: Makita, Tools Centre

Packer: MAKITA POWER TOOLS INDIA PVT LTD, Unit II, Sy. No.93/3 93/4, Koralur Village, Kasaba Hobli,

Hoskote Taluk, Bangalore – 560 067, India.

Phone: +91-80-2205-8200

Email: sales@makita.in

Importer: Kaymo Fastener Company, S2, Laxmi Woollen Mill Estate, Shakti Mill Lane, Off. Dr. E.Moses, Rd, Mahalaxmi, Mumbai-400 011, India.

Phone: 022-661-52966

When contacting support, please have your product model (HP1630) and serial number (if applicable) ready.

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