

FERM HDM1014

FERM HDM1014 16mm 1100W Hammer Drill

User Instruction Manual

1. INTRODUCTION

Thank you for choosing the FERM HDM1014 16mm 1100W Hammer Drill. This powerful corded tool is designed for efficient drilling and hammer drilling in various materials. To ensure safe and optimal performance, please read this instruction manual thoroughly before operating the tool. Keep this manual in a safe place for future reference.

2. SAFETY INSTRUCTIONS

Always follow basic safety precautions when using electric tools to reduce the risk of fire, electric shock, and personal injury. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.

- **Work Area Safety:** Keep your 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 use any adapter plugs with earthed (grounded) power tools. Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges, and refrigerators.
- **Personal Safety:** Always wear eye protection. Use safety glasses, goggles, or a face shield. Wear hearing protection when operating noisy tools. Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing, and gloves away from moving parts.
- **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.
- **Service:** Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

3. PACKAGE CONTENTS

Carefully unpack the hammer drill and check if all items are present and undamaged. If any parts are missing or damaged, please contact your supplier immediately.

- FERM HDM1014 Hammer Drill
- Drill bits (various sizes)
- Chuck key
- Side handle
- Depth stop
- User Manual

4. PRODUCT FEATURES

The FERM HDM1014 hammer drill is equipped with features designed for performance and user convenience:

- **Powerful 1100W Motor:** Provides ample power for demanding drilling tasks.
- **16mm Keyless Chuck:** Allows for quick and easy bit changes without the need for a separate chuck key.
- **Hammer Function:** Engages for efficient drilling in masonry and concrete.
- **Reverse Function:** Useful for removing stuck drill bits and driving/removing screws.
- **Ergonomic Design:** Ensures comfortable handling during prolonged use.



Image: The FERM HDM1014 Hammer Drill, showcasing its robust design, side handle for improved control, and the keyless chuck mechanism. The drill is depicted in its multi-color finish.

5. SETUP

5.1 Attaching the Side Handle and Depth Stop

1. Loosen the side handle by rotating it counter-clockwise.
2. Slide the side handle onto the front of the drill housing.
3. Insert the depth stop into the hole on the side handle. Adjust the depth stop to the desired drilling depth.
4. Tighten the side handle by rotating it clockwise to secure both the handle and the depth stop.

5.2 Installing/Removing Drill Bits

1. Ensure the drill is unplugged from the power source.
2. Rotate the chuck collar counter-clockwise to open the chuck jaws.
3. Insert the drill bit fully into the chuck jaws.
4. Rotate the chuck collar clockwise to tighten the jaws securely around the drill bit. Ensure the bit is centered and firmly held.

5. To remove, rotate the chuck collar counter-clockwise and pull the bit out.

6. OPERATING INSTRUCTIONS

6.1 Power Connection

Connect the drill's power cord to a suitable electrical outlet (refer to specifications for voltage requirements). Ensure the power switch is in the 'OFF' position before plugging in.

6.2 Selecting Drilling Mode

The FERM HDM1014 features a mode selector switch, typically located on the side of the drill housing. Select the appropriate mode for your task:

- **Drilling Mode (Drill Icon):** For drilling in wood, metal, plastic, and other non-masonry materials.
- **Hammer Drilling Mode (Hammer Icon):** For drilling in masonry, concrete, and stone. This mode combines rotation with an impact action.

6.3 Starting and Stopping the Drill

- To start the drill, press the trigger switch.
- To stop the drill, release the trigger switch.
- For continuous operation, press the trigger and then press the lock-on button (if available). To release, press the trigger again.

6.4 Using the Reverse Function

The reverse switch is typically located near the trigger. Push it to the left or right to change the direction of rotation. Use the reverse function to remove stuck drill bits or for driving/removing screws (if using appropriate screwdriver bits).

6.5 Drilling Tips

- Always secure your workpiece firmly before drilling.
- Apply steady, even pressure. Do not force the drill.
- For deep holes, periodically withdraw the drill bit to clear debris.
- When drilling metal, use a cutting lubricant to prolong bit life and improve cutting efficiency.

7. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your FERM HDM1014 hammer drill.

- **Cleaning:** After each use, clean the tool housing with a soft cloth. Do not use harsh chemicals or abrasive cleaners. Keep ventilation openings clear of dust and debris.
- **Carbon Brushes:** The carbon brushes may need replacement after extended use. This should be performed by a qualified service technician.
- **Cord Inspection:** Regularly inspect the power cord for any signs of damage. If damaged, have it replaced by a qualified professional.
- **Storage:** Store the drill in a dry, secure place, out of reach of children.

8. TROUBLESHOOTING

If you encounter issues with your FERM HDM1014, refer to the following common problems and solutions:

| Problem | Possible Cause | Solution |
|------------------------------------|---|---|
| Drill does not start | No power supply; Damaged cord/plug; Faulty switch | Check power outlet and connections; Inspect cord/plug for damage; Contact service center if switch is faulty. |
| Drill bit not rotating or slipping | Chuck not tightened properly; Worn drill bit | Tighten chuck securely; Replace worn drill bit. |
| Excessive vibration or noise | Loose components; Damaged internal parts | Check for loose screws; Discontinue use and contact service center. |

If the problem persists after attempting these solutions, please contact FERM customer support or an authorized service center.

9. SPECIFICATIONS

Technical specifications for the FERM HDM1014 Hammer Drill:

| Feature | Value |
|--------------------|--|
| Brand | FERM |
| Model Number | HDM1014 |
| Power Source | Corded Electric |
| Maximum Power | 1100 W |
| Voltage | 4 V (Note: This voltage seems unusually low for an 1100W tool. Please verify with product labeling.) |
| Chuck Type | Keyless |
| Maximum Chuck Size | 16 mm |
| Speed (No-load) | 750 RPM |
| Hammer Function | Yes |
| Reverse Function | Yes |
| Adjustable Speed | No |
| Item Weight | 9.73 kg |
| Package Dimensions | 45.6 x 37.2 x 13.8 cm |

| Feature | Value |
|---------------------|-----------------------|
| Included Components | Drill bits, Chuck key |
| Batteries Required | No |

10. WARRANTY AND SUPPORT

FERM products are manufactured to high-quality standards and are guaranteed against defects in materials and workmanship for a period specified by your local retailer or distributor. Please retain your purchase receipt as proof of purchase.

For warranty claims, technical support, or spare parts, please contact your original point of purchase or visit the official FERM website for contact information and service center locations.

Always refer to the specific warranty terms and conditions provided with your product at the time of purchase.