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› [Hoteche 600W 20MM SDS Plus Rotary Hammer Drill User Manual](#)

Hoteche P800321A

Hoteche 600W 20MM SDS Plus Rotary Hammer Drill User Manual

Model: P800321A

1. SAFETY INSTRUCTIONS

Always read and understand 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.

1.1 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. Power tools create sparks which may ignite the dust or fumes.
- **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. Unmodified plugs and matching outlets will reduce risk of electric shock. 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 personal protective equipment such as dust masks, non-skid safety shoes, hard hats, or hearing protection for appropriate conditions. Stay alert, watch what you are doing, and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol, or medication.

1.2 Specific Rotary Hammer Drill Safety

- Wear ear protectors when impact drilling. Exposure to noise can cause hearing loss.
- Use auxiliary handles supplied with the tool. Loss of control can result in personal injury.
- Hold power tool by insulated gripping surfaces when performing an operation where the cutting accessory may contact hidden wiring or its own cord. Contact with a 'live' wire will also make exposed metal parts of the power tool 'live' and shock the operator.
- Always ensure the work piece is securely clamped or stabilized before drilling to prevent movement.

2. PRODUCT OVERVIEW

The Hoteche 600W 20MM SDS Plus Rotary Hammer Drill is a versatile tool designed for drilling and chiseling in various materials. Familiarize yourself with its components for safe and effective operation.



Figure 1: Main components of the Hoteche 600W 20MM SDS Plus Rotary Hammer Drill. Key parts include the SDS Plus Chuck, Multi-Function Selector, Forward/Reverse Button, Heat Vent, Ergonomic Soft Grip, Variable Speed Trigger, Lock Button, Depth Gauge, and 360° Rotatable Handle.

- **SDS Plus Chuck:** For quick and secure bit changes.
- **Multi-Function Selector:** To switch between drilling, hammer drilling, hammering, and chisel rotation modes.
- **Forward/Reverse Button:** Changes the direction of rotation.
- **Variable Speed Trigger:** Controls the operating speed.
- **Lock Button:** For continuous operation.
- **Depth Gauge:** For precise drilling depth control.
- **360° Rotatable Handle:** Provides additional grip and control, adjustable to various positions.

3. SETUP

3.1 Attaching the Auxiliary Handle

The auxiliary handle provides better control and safety during operation. It can be rotated 360 degrees for optimal positioning.

1. Loosen the auxiliary handle by twisting it counter-clockwise.
2. Slide the handle onto the front of the drill body.
3. Rotate the handle to the desired position.
4. Tighten the handle by twisting it clockwise until secure.



SDS-PLUS KEYLESS CHUCK

No need extra tools, quickly load and release SDS PLUS drill bits, more efficient.

360° DEGREE HANDLE

360° degree adjustable handle.
Easy switch to any position you need.



Figure 2: The 360-degree rotatable handle allows for easy adjustment to any required position, enhancing user comfort and control.

3.2 Installing the Depth Gauge

The depth gauge helps to drill holes to a consistent, predetermined depth.

1. Insert the depth gauge rod into the hole on the auxiliary handle.
2. Adjust the rod to the desired drilling depth. The distance from the tip of the drill bit to the end of the rod indicates the drilling depth.

3. Secure the depth gauge by tightening the auxiliary handle.

POWERFUL MOTOR

11A(1200W) motor that delivers 1 powerful impact energy



DEPTH GAUGE

This tool plays a crucial role in tasks requiring high precision

Figure 3: The depth gauge is crucial for tasks requiring high precision, ensuring consistent drilling depth.

3.3 Inserting and Removing SDS Plus Drill Bits

The SDS Plus chuck allows for quick, tool-free bit changes.

1. **Inserting:** Clean the shank of the drill bit. Pull back the chuck sleeve, insert the bit into the chuck until it clicks into place. Release the sleeve. Pull on the bit to ensure it is securely locked.
2. **Removing:** Pull back the chuck sleeve firmly and pull the drill bit out.



SDS-PLUS KEYLESS CHUCK

No need extra tools, quickly load and release SDS PLUS drill bits, more efficient.

360° DEGREE HANDLE

360° degree adjustable handle. Easy switch to any position you need.



Figure 4: The SDS-Plus keyless chuck allows for quick loading and releasing of drill bits without extra tools, improving efficiency.

4. OPERATING MODES

This rotary hammer drill features four functional modes, selected via the multi-function selector switch.

EFFICIENT COOLING SYSTEM

Cooling system protects the motor from burning while keeping dust out



4 AVAILABLE MODES

Effortlessly select mode as needed.

Figure 5: The multi-function selector switch allows effortless selection between the four operating modes.

- **Drill Mode (1):** For drilling in wood, metal, plastic, and other materials that do not require impact. The bit rotates without hammering action.
- **Hammer Drill Mode (2):** Combines rotation with hammering action. Ideal for drilling in concrete, masonry, and stone.
- **Hammer Mode (3):** Provides hammering action only, with no rotation. Used for chiseling, chipping, or demolition work with appropriate chisel bits.
- **Chisel Angle Adjustment Mode (4):** Allows the chisel bit to be rotated and locked into various positions for optimal working angles during hammering operations.

To change modes, rotate the selector switch to the desired icon. Ensure the tool is unplugged or switched off before changing modes to prevent accidental activation.

5. OPERATION

5.1 General Operation

1. Ensure the correct bit is installed and the desired operating mode is selected.

2. Connect the tool to a suitable power supply (110 Volts).
3. Hold the tool firmly with both hands, using the main handle and the auxiliary handle.
4. To start, press the variable speed trigger. The speed can be adjusted by varying the pressure on the trigger.
5. For continuous operation, press the lock button while the trigger is depressed. To release, press the trigger again.
6. Apply steady, even pressure. Do not force the tool.
7. To stop, release the variable speed trigger.

5.2 Drilling Capacities

The Hoteche P800321A offers the following maximum drilling capacities:

- **Concrete:** 20mm (0.79 inches)
- **Metal:** 13mm (0.51 inches)
- **Wood:** 30mm (1.18 inches)



Figure 6: The rotary hammer drill is capable of drilling up to 20mm in concrete, 13mm in steel, and 30mm in wood.

6. MAINTENANCE

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

6.1 Cleaning

- Always disconnect the tool from the power supply before cleaning.
- Clean the ventilation openings regularly to prevent dust buildup, which can lead to overheating. Use a soft brush or compressed air.
- Wipe the tool housing with a damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Keep the SDS Plus chuck clean and lightly lubricated to ensure smooth bit changes.

6.2 Carbon Brush Replacement

The motor's carbon brushes are wear parts and will need replacement over time. A pair of original carbon brushes is included with the tool.

1. When the motor performance decreases or sparks become excessive, the carbon brushes may need replacement.
2. Consult a qualified service technician for carbon brush replacement to ensure proper installation and tool function.

6.3 Storage

Store the tool in a dry, secure place, out of reach of children. If storing for extended periods, ensure it is clean and free of debris.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your rotary hammer drill.

Problem	Possible Cause	Solution
Tool does not start	No power supply; Faulty power cord/plug; Worn carbon brushes	Check power connection; Inspect cord/plug for damage; Replace carbon brushes (consult technician)
Reduced power/performance	Worn carbon brushes; Overheating; Incorrect mode selection	Replace carbon brushes; Allow tool to cool; Verify mode selector setting
Bit not locking in chuck	Chuck sleeve not fully pulled back; Dirty chuck/bit shank; Damaged chuck	Ensure sleeve is fully retracted; Clean chuck and bit shank; Seek professional repair for damaged chuck
Excessive vibration/noise	Loose components; Damaged internal parts; Worn bearings	Check for loose parts; Discontinue use and seek professional inspection/repair

If you encounter problems not listed here or if the suggested solutions do not resolve the issue, please contact Hoteche customer support or a qualified service center.

8. SPECIFICATIONS

Technical data for the Hoteche 600W 20MM SDS Plus Rotary Hammer Drill (Model P800321A).

Feature	Specification
Model Number	P800321A
Power Input	600W
Voltage	110 Volts
No-Load Speed	0-2000 RPM
Impact Rate	0-6300 BPM
Single Impact Force	1.7 Joules
Chuck Type	SDS Plus
Max. Drilling Capacity (Concrete)	20mm (0.79 inches)
Max. Drilling Capacity (Metal)	13mm (0.51 inches)
Max. Drilling Capacity (Wood)	30mm (1.18 inches)
Item Weight	4 Kilograms (8.8 pounds)
Product Dimensions	5"L x 2"W x 3"H (Approximate)
Included Components	Drill Attachment, Carbon Brushes, 3 Drills (6/8/10mm*150mm), Side Handle, Depth Guide Ruler

9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the warranty card included with your product or contact Hoteche customer service directly. Keep your purchase receipt as proof of purchase.

Manufacturer: HOTECHÉ