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> Powerplus POWX1175 1600W 5J SDS Plus Rotary Hammer Drill Instruction Manual

POWERPLUS POWX1175

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Model: POWX1175 | Brand: POWERPLUS

INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Powerplus POWX1175 1600W 5J SDS Plus Rotary Hammer Drill. Please read these instructions carefully before using the tool to ensure proper handling, maximize performance, and prevent injury. Keep this manual for future reference.



Figure 1: Powerplus POWX1175 Rotary Hammer Drill highlighting its 4-in-1 functions (drilling, hammer drilling, chiseling, chisel rotation) and SDS plus chuck system.

SAFETY INFORMATION

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

- **Wear appropriate personal protective equipment (PPE):** Always wear safety glasses, hearing protection, and a dust mask. Gloves are recommended for better grip and vibration reduction.
- **Ensure a safe work area:** Keep the work area clean and well-lit. Cluttered or dark areas invite accidents.
- **Avoid hazardous environments:** Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- **Secure the workpiece:** Always clamp or secure the material you are working on. Holding it by hand is unstable and can lead to loss of control.
- **Maintain proper footing and balance:** Do not overreach. Maintain proper footing and balance at all times. This

enables better control of the power tool in unexpected situations.

- **Disconnect power:** Always disconnect the plug from the power source before making any adjustments, changing accessories, or storing the tool.
- **Use the correct tool for the job** Do not force the tool. Use the correct tool for your application. The correct tool will do the job better and safer at the rate for which it was designed.
- **Inspect the tool before use:** Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tool's operation. If damaged, have the tool repaired before use.
- **Keep children and bystanders away.** Distractions can cause you to lose control.

PRODUCT OVERVIEW

The Powerplus POWX1175 is a versatile 1600W rotary hammer drill designed for heavy-duty applications. It features four operational modes: drilling, hammer drilling, chiseling, and chisel rotation, making it suitable for various materials including wood, steel, and concrete.



4-in-1: Bohren, Hammerbohren, Meißeln & Meißelrotation

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Figure 2: Side view of the Powerplus POWX1175 Rotary Hammer Drill, showing the main handle, auxiliary handle, and mode selector.

Key Components:

- **SDS Plus Chuck:** For quick and secure bit changes.
- **Mode Selector Switch:** Allows selection between drilling, hammer drilling, chiseling, and chisel rotation.
- **Auxiliary Handle:** Provides additional grip and control, adjustable for user comfort.
- **Depth Stop:** For precise control over drilling depth.
- **Power Cord:** Corded electric operation for consistent power.

SETUP

1. Attaching the Auxiliary Handle:

The auxiliary handle provides enhanced control and stability. Loosen the handle clamp, slide the handle onto the tool's neck, and adjust it to a comfortable position. Tighten the clamp securely before operation.

2. Installing SDS Plus Bits:

1. Clean the shank of the SDS Plus bit.
2. Pull back the chuck collar and insert the bit into the chuck.
3. Rotate the bit slightly until it engages with the locking mechanism.
4. Release the chuck collar. The bit should be held firmly but have a slight axial play, which is normal for SDS Plus systems.
5. Pull the bit to ensure it is securely locked.

3. Setting the Depth Stop:

Insert the depth stop rod into its designated hole on the auxiliary handle. Adjust the rod to the desired drilling depth by measuring from the tip of the drill bit. Secure the depth stop by tightening its locking screw.



Nie zu tief bohren dank Tiefenstopp

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Figure 3: The depth stop feature in use, allowing for precise control over drilling depth to prevent over-drilling.

OPERATING INSTRUCTIONS

1. Selecting the Operating Mode:

The POWX1175 offers four modes, selected via the mode selector switch:

- **Drilling (Rotation Only):** For drilling in wood, metal, and plastics.
- **Hammer Drilling (Rotation with Impact):** For drilling in concrete, masonry, and stone.
- **Chiseling (Impact Only):** For light demolition work, removing tiles, or channeling.
- **Chisel Rotation:** Allows the chisel to be rotated and locked into various positions for optimal working angles.



Figure 4: The drill's capabilities for various materials: Wood (up to 40mm), Steel (up to 13mm), and Concrete (up to 32mm).

2. General Operation:

1. Connect the tool to a suitable power supply (220V).
2. Hold the tool firmly with both hands, using the main and auxiliary handles.
3. Position the bit on the desired work point.
4. Press the trigger switch to start the tool. Apply steady, even pressure. Do not force the tool; let the hammer action do the work.
5. For chiseling, ensure the chisel is correctly oriented using the chisel rotation function before engaging impact.
6. When finished, release the trigger switch and wait for the bit to stop rotating before setting the tool down.



Figure 5: The Powerplus POWX1175 in operation, demonstrating its powerful 1600W motor and 5J impact energy, capable of up to 3900 impacts per minute.

3. Drilling Capacities:

- Wood: Up to 40 mm
- Steel: Up to 13 mm
- Concrete: Up to 32 mm

MAINTENANCE

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

- **Cleaning:** After each use, clean the tool with a soft cloth. Remove any dust or debris from ventilation openings. Do not use water or chemical cleaners.
- **Lubrication:** Periodically apply a small amount of grease to the SDS Plus chuck to ensure smooth bit insertion and removal. The included grease container can be used for this purpose.
- **Cord Inspection:** Regularly inspect the power cord for any signs of damage, cuts, or fraying. If damaged, have it

replaced by a qualified technician.

- **Carbon Brushes:** The carbon brushes may need replacement after extended use. This should be performed by a qualified service center.
- **Storage:** Store the tool in its original carrying case in a dry, secure place, out of reach of children.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Tool does not start.	No power supply. Damaged power cord. Faulty switch.	Check power outlet and circuit breaker. Inspect cord for damage; replace if necessary. Contact service center.
Reduced impact force.	Worn carbon brushes. Insufficient lubrication. Incorrect mode selected.	Have brushes replaced by service center. Apply grease to chuck and internal mechanisms (if accessible and specified). Ensure hammer drilling or chiseling mode is selected.
Bit not locking in chuck.	Dirty SDS Plus shank. Chuck mechanism obstructed.	Clean bit shank thoroughly. Inspect chuck for debris; clean if necessary.
Excessive vibration.	Worn components. Loose auxiliary handle.	Contact service center for inspection. Tighten auxiliary handle securely.

SPECIFICATIONS

Model Number	POWX1175
Brand	POWERPLUS
Power Source	Corded Electric
Voltage	220 Volts
Amperage	16 A
Max Chuck Size	13 Millimeters
Max No-Load Speed	800 rpm
Max Impact Rate	3900 bpm
Impact Energy	5 J
Max Torque	40 Newton Meters
Drilling Capacity (Wood)	40 mm
Drilling Capacity (Steel)	13 mm
Drilling Capacity (Concrete)	32 mm
Weight	6.5 Kilograms
Dimensions (L x W x H)	38.27 x 26.13 x 10.9 cm

Included Components

1 x SDS plus drill bit - Ø 12x150mm, 1x dust cap, 1x storage case, 1x SDS plus flat chisel - 22x250mm, 1x SDS plus pointed chisel - 250mm, 1x depth stop, 1x wrench, 1x chuck key, 1x grease container, 1x SDS plus drill bit - Ø 10x150mm, 1x SDS plus drill bit - Ø 8x150mm, 1x 13mm chuck, 1x rotary hammer, 1x instruction manual, 1x auxiliary handle (mounted)

WARRANTY AND SUPPORT

Information regarding the product warranty and customer support services is typically provided in a separate warranty card or can be found on the official POWERPLUS website. Please refer to these resources for details on warranty coverage, service centers, and contact information for technical assistance.

