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## Einhell BT-DH1600

# Einhell BT-DH1600 Demolition Hammer

Instruction Manual

## 1. INTRODUCTION

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Thank you for choosing the Einhell BT-DH1600 Demolition Hammer. This powerful tool is designed for heavy-duty demolition work, offering high impact force for breaking concrete, masonry, and other tough materials. Please read this instruction manual carefully before operating the tool to ensure safe and efficient use. Keep this manual in a safe place for future reference.

## 2. SAFETY INSTRUCTIONS

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Always observe the following safety precautions to prevent electric shock, injury, and fire.

- **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.
- **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.
- **Personal Safety:** Always wear eye protection. Use hearing protection when operating the tool for extended periods. Wear heavy-duty gloves and safety footwear. Dress properly; do not wear loose clothing or jewelry.
- **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.
- **Maintenance:** Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the power tool's operation.

## 3. PRODUCT COMPONENTS

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Familiarize yourself with the main parts of your Einhell BT-DH1600 Demolition Hammer.



**Figure 1:** Overview of the Einhell BT-DH1600 Demolition Hammer. This image shows the complete tool, highlighting its robust construction, the main handle, auxiliary handle, and the chisel chuck area.

1. **Main Handle:** Ergonomically designed for comfortable grip and control during operation.
2. **Auxiliary Handle:** Adjustable handle for improved control and stability, especially during heavy demolition tasks.
3. **Chisel Chuck (SDS-HEX 30mm):** Securely holds the chisels in place. Designed for quick and easy chisel changes without additional tools.
4. **Motor Housing:** Protects the internal motor components. Features ventilation for cooling.
5. **Power Cable:** Durable 200cm H07RN-F cable for reliable power connection.
6. **On/Off Switch:** Controls the power to the tool.

## 4. TECHNICAL SPECIFICATIONS

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The following table details the technical specifications of the Einhell BT-DH1600 Demolition Hammer.

Specification	Value
Model Number	BT-DH1600
Brand	Einhell
Power Source	Corded Electric
Voltage	220-230 V
Frequency	50 Hz
Power Input	1600 W
Impact Rate	1500 impacts/min
Impact Force	43 Joules
Tool Holder	SDS-HEX 30mm
Power Cable Length	200 cm (H07RN-F)
Item Weight	23 kg
Product Dimensions (L x W x H)	Approx. 20 x 20 x 20 cm
Included Accessories	Flat Chisel (400mm L, 30mm W), Pointed Chisel (400mm L), Plastic Carrying Case

## 5. SETUP

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Before starting any work, ensure the tool is disconnected from the power supply.

- Unpacking:** Carefully remove the demolition hammer and all accessories from the carrying case. Check for any damage that may have occurred during transport.
- Attaching the Auxiliary Handle:** Loosen the clamping screw on the auxiliary handle. Position the handle to a comfortable and secure working position, then tighten the clamping screw firmly.
- Inserting the Chisel:** Clean the shank of the chisel and apply a thin layer of grease. Pull back the locking sleeve on the SDS-HEX 30mm chuck, insert the chisel into the chuck, and rotate it until it engages. Release the locking sleeve. Pull on the chisel to ensure it is securely locked in place.
- Power Connection:** Connect the power cable to a suitable 220-230V, 50Hz power outlet. Ensure the outlet is properly grounded.

## 6. OPERATION

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Always wear appropriate personal protective equipment (PPE) including safety glasses, hearing protection, and heavy-duty gloves during operation.

- Starting the Tool:** With the chisel securely installed and the tool connected to power, firmly grip both the main and auxiliary handles. Press the On/Off switch to start the demolition hammer.
- Working Technique:** Apply steady, firm pressure to the tool. Allow the hammer mechanism to do the work; excessive force is not necessary and can lead to fatigue or damage. Work systematically across the material to be demolished.
- Stopping the Tool:** Release the On/Off switch to stop the demolition hammer. Disconnect the tool from the power.

supply after use or before making any adjustments.

4. **Overheating Protection:** If the tool becomes excessively hot, stop operation and allow it to cool down before resuming work.

## 7. MAINTENANCE

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Regular maintenance ensures the longevity and safe operation of your demolition hammer. Always disconnect the tool from the power supply before performing any maintenance.

- **Cleaning:** After each use, clean the tool housing with a dry cloth. Remove any dust or debris from the ventilation slots to ensure proper motor cooling. Do not use water or chemical cleaners.
- **Chisel Chuck Maintenance:** Regularly clean the SDS-HEX 30mm chuck and apply a small amount of grease to the chisel shank to ensure smooth operation and prevent wear.
- **Carbon Brushes:** The carbon brushes are wear parts. If the motor performance decreases significantly or sparks become excessive, have the carbon brushes checked and replaced by a qualified service technician.
- **Power Cable Inspection:** Periodically inspect the power cable for any signs of damage, cuts, or fraying. If damaged, have it replaced by a qualified electrician to avoid electrical hazards.

## 8. TROUBLESHOOTING

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This section addresses common issues you might encounter.

Problem	Possible Cause	Solution
Tool does not start.	No power supply; faulty switch; damaged cable.	Check power connection and outlet. Inspect cable for damage. If issues persist, contact service.
Reduced impact force.	Worn chisel; internal mechanism issue; carbon brushes worn.	Replace chisel. Have internal mechanism or carbon brushes checked by a qualified technician.
Excessive vibration or noise.	Loose chisel; internal component damage.	Ensure chisel is correctly inserted and locked. If problem continues, seek professional service.
Tool overheats.	Blocked ventilation slots; continuous heavy use.	Clean ventilation slots. Allow tool to cool down during prolonged use.

## 9. STORAGE

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Proper storage helps protect the tool and prolong its lifespan.

- Always clean the tool thoroughly before storing.
- Store the demolition hammer and its accessories in the original plastic carrying case.
- Keep the tool in a dry, secure place, out of reach of children and unauthorized persons.
- Avoid storing in areas with extreme temperatures or high humidity.

## 10. WARRANTY AND SUPPORT

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Einhell products are manufactured to high-quality standards and undergo strict quality controls. This product is covered by a manufacturer's warranty. For specific warranty terms and conditions, please refer to the warranty card included with

your product or visit the official Einhell website.

For technical support, spare parts, or service inquiries, please contact your local Einhell service center or the retailer where you purchased the product. Have your model number (BT-DH1600) and purchase date ready when contacting support.