

Hecht HEC-1090

HECHT HEC-1090 Rotary Hammer Drill User Manual

Model: HEC-1090 | Brand: Hecht

1. INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your HECHT HEC-1090 Rotary Hammer Drill. Please read these instructions carefully before using the tool and keep them for future reference. The Hecht 1090 is a powerful professional hammer drill designed for demanding tasks, featuring an impact energy of 15 J and 3600 strokes per minute.

General Safety Instructions

- Always wear appropriate personal protective equipment (PPE) including safety glasses, hearing protection, and gloves.
- Ensure the work area is well-lit and clear of obstructions.
- Before any adjustment or maintenance, always disconnect the tool from the power supply.
- Keep children and bystanders away while operating the tool.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.

2. PRODUCT OVERVIEW AND COMPONENTS

Familiarize yourself with the main parts of your HECHT HEC-1090 Rotary Hammer Drill to ensure safe and efficient operation.

Der Hecht Stemmhammer auf einen Blick:



1. SDS-MAX Aufnahme
2. Großer Zusatzhandgriff
3. Robustes Gehäuse
4. Rutschsicherer Handgriff
5. Starker 1300W Motor
6. Flachmeißel
7. Spitzmeißel

Figure 1: HECHT HEC-1090 Rotary Hammer Drill with Key Components

This image displays the HECHT HEC-1090 Rotary Hammer Drill with its main parts clearly numbered for identification. The components include the SDS-MAX chuck, large auxiliary handle, robust housing, non-slip main handle, and the powerful 1300W motor. Also shown are the flat chisel and point chisel accessories.

1. **SDS-MAX Chuck:** For quick and secure insertion of SDS-MAX chisels and drill bits.
2. **Large Auxiliary Handle:** Provides additional grip and control during operation.
3. **Robust Housing:** Designed for durability and protection of internal components.
4. **Non-slip Handle:** Ergonomically designed for comfortable and secure grip.
5. **Powerful 1300W Motor:** Delivers high performance for demanding tasks.
6. **Flat Chisel:** Included accessory for various chiseling applications.
7. **Point Chisel:** Included accessory for breaking and demolition work.



Figure 2: Complete Set with Transport Case and Accessories

The image shows the HECHT HEC-1090 Rotary Hammer Drill along with its practical complete set, including a sturdy transport case, flat chisel, point chisel, advanced lubricant, and a wrench for maintenance.

3. SETUP

Attaching the Auxiliary Handle

The large auxiliary handle provides enhanced control and safety. Loosen the handle clamp, position the handle to your desired angle for comfortable operation, and then securely tighten the clamp. Ensure it is firmly fixed before starting work.

✓ Durch die SDS-Max Werkzeugaufnahme können alle gängigen Meißel- und Stemmwerkzeuge für SDS Max Futter werkzeuglos eingesetzt und verwendet werden.



✓ Mit dem extra großen Zusatzhandgriff ist jederzeit eine sichere Führung gewährleistet

Figure 3: SDS-MAX Chuck and Auxiliary Handle

This close-up illustrates the SDS-MAX tool holder and the extra-large auxiliary handle. The SDS-MAX tool holder allows for tool-free insertion and use of all common chiseling and demolition tools. The auxiliary handle ensures secure guidance at all times.

Inserting SDS-MAX Tools (Chisels/Drill Bits)

The SDS-MAX chuck allows for quick and tool-free changes of accessories.

1. Clean the shank of the chisel or drill bit before insertion.
2. Push the tool into the SDS-MAX chuck until it clicks into place. A slight rotation might be necessary.
3. Pull on the tool to ensure it is securely locked. There will be a small amount of play, which is normal for SDS-MAX systems.
4. To remove, pull back the chuck collar and pull the tool out.



Figure 4: SDS-MAX Chuck Detail

A detailed view of the SDS-MAX chuck mechanism, highlighting its robust design for secure tool attachment.

4. OPERATING INSTRUCTIONS

Power Connection

Ensure the power switch is in the 'OFF' position before plugging the tool into a 230V AC power outlet. Use an extension cord suitable for the tool's power rating if necessary.

Starting and Stopping

- **To Start:** Press the ON/OFF trigger switch.
- **To Stop:** Release the ON/OFF trigger switch.

Working with the Rotary Hammer Drill

The HECHT HEC-1090 is primarily designed for chiseling and demolition work in concrete, masonry, and stone.

- Hold the tool firmly with both hands, using the main handle and the auxiliary handle.
- Apply moderate pressure. Do not force the tool; let the hammer action do the work.
- For chiseling, position the chisel at the desired angle and activate the tool.
- Avoid prolonged continuous operation to prevent overheating. Allow the tool to cool down periodically.

✓ Durch das robuste Gehäuse und den großen Griffbügel sind auch lange Arbeitseinsätze kein Hinderniss für den Hecht Stemmhammer



Figure 5: Robust Housing and Large Handle

This image highlights the robust housing and large handle of the HECHT HEC-1090. This design ensures that even long work assignments are not an obstacle, providing durability and user comfort.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your tool.

Cleaning

- After each use, clean the tool's exterior with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Regularly clean the ventilation openings to prevent dust buildup, which can lead to overheating.



- ✓ **Hochwertige Verarbeitung, für eine lange Lebensdauer und eine leichte Wartung.**
- ✓ **Große Belüftungsöffnungen für eine optimale Kühlung bei langen Arbeitseinsätzen.**



Figure 6: High-Quality Workmanship and Ventilation

This image showcases the high-quality workmanship of the tool, contributing to a long service life and easy maintenance. It also highlights the large ventilation openings designed for optimal cooling during extended use.

Lubrication

Apply a small amount of the provided advanced lubricant to the SDS-MAX chuck and tool shanks periodically to ensure smooth operation and prevent wear. Refer to the tool's specific lubrication points in the detailed diagram (if available in the full manual).

Storage

When not in use, store the rotary hammer drill and its accessories in the sturdy transport case in a dry, secure place, out of reach of children.



Figure 7: Tool and Accessories in Transport Case

The image displays the HECHT HEC-1090 Rotary Hammer Drill and its accessories neatly organized within the sturdy transport case, designed for safe storage and easy portability.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your HECHT HEC-1090 Rotary Hammer Drill.

Problem	Possible Cause	Solution
Tool does not start	No power supply; Faulty power cord/plug; Overload protection activated	Check power connection and outlet; Inspect power cord for damage; Allow tool to cool down and reset.

Problem	Possible Cause	Solution
Reduced impact performance	Worn chisel/bit; Insufficient lubrication; Internal mechanism issue	Replace worn accessories; Apply lubricant to chuck and tool shank; Contact customer support if problem persists.
Tool overheats	Blocked ventilation openings; Prolonged heavy use; Overload	Clean ventilation openings; Allow tool to cool down; Reduce load or duration of use.
Tool bit stuck in chuck	Dust/debris in chuck; Improper insertion/removal	Clean chuck thoroughly; Apply lubricant; Ensure correct insertion/removal procedure.

7. SPECIFICATIONS

Technical data for the HECHT HEC-1090 Rotary Hammer Drill.

Specification	Value
Item Model Number	HEC-1090
Manufacturer	Hecht
Product Type Name	Rotary Hammer Drill
Power Source	AC (Alternating Current)
Voltage	230 Volts
Maximum Power	1300 Watt
Maximum Chuck Size	18 Millimeters
Product Dimensions (L x W x H)	52 x 10 x 25 cm
Weight	11 Kilograms
Color	Red
Included Components	Drill (Rotary Hammer Drill), Chisels (Flat and Point), Transport Case, Lubricant, Wrench
International Article Code	08595614920513
Part Number	H1069

8. WARRANTY AND SUPPORT

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

