

Einhell 49108956

Einhell 39-Piece Bit and Drill Set Instruction Manual

Model: 49108956

INTRODUCTION

This instruction manual provides essential information for the safe and effective use of your Einhell 39-Piece Bit and Drill Set. This set is designed for various drilling and screwing tasks in stone, metal, and wood, compatible with all standard drills and cordless screwdrivers. Please read these instructions carefully before first use and retain them for future reference.

PRODUCT OVERVIEW AND COMPONENTS

The Einhell 39-piece set includes a comprehensive selection of bits, drills, and accessories, neatly organized in a practical storage box.



Figure 1: All components of the Einhell 39-Piece Bit and Drill Set, including various drill bits, screwdriver bits, socket spanners, a countersink, and a quick-change bit holder.

Contents:

- **Drill Bits (8 pieces):**
 - 2 x HM Stone Drill Bits (diameter 6 mm, 8 mm)
 - 3 x HSS Metal Drill Bits (diameter 4 mm, 5 mm, 6 mm)
 - 3 x Wood Drill Bits (diameter 4 mm, 5 mm, 6 mm)
- **Screwdriver Bits (24 pieces, 25mm length, E6.3 shank):**
 - Phillips (PH): PH1, PH2
 - Pozidriv (PZ): PZ1, PZ2, PZ3
 - Hex (H): H4, H5
 - Slotted (SL): SL5
 - Torx (T): T10, T15, T20, T25, T27, T30, T40
- **Socket Spanner Inserts (5 pieces):** For screwing nuts.
- **Countersink (1 piece):** For flush countersinking of screws.
- **Quick-Change Bit Holder (1 piece):** For rapid bit changes.
- **Storage Box (1 piece):** For organized storage and transport.



Figure 2: The Einhell 39-Piece Bit and Drill Set displayed open in its durable storage case, showing the organized arrangement of drill bits, screwdriver bits, and accessories.

SAFETY INSTRUCTIONS

Always prioritize safety when using drilling and screwing accessories. Adhere to the following guidelines:

- **Wear Personal Protective Equipment (PPE):** Always wear safety glasses to protect your eyes from flying debris. Consider gloves and hearing protection as needed.
- **Secure Workpiece:** Ensure the material you are working on is securely clamped or held to prevent movement during operation.
- **Use Correct Bit/Drill:** Select the appropriate bit or drill for the material and task. Using the wrong tool can cause damage to the tool, workpiece, or lead to injury.
- **Check for Damage:** Before each use, inspect bits and drills for any signs of damage, cracks, or excessive wear. Do not use damaged accessories.
- **Proper Insertion:** Ensure bits and drills are fully and securely inserted into the chuck of your drill or screwdriver.
- **Maintain Control:** Always maintain a firm grip on your power tool and be aware of its rotation direction.
- **Avoid Overheating:** For metal drilling, use cutting fluid and allow the drill bit to cool to prevent overheating and premature wear.
- **Keep Clear:** Keep hands, hair, and loose clothing away from rotating parts.
- **Store Safely:** After use, clean and store the set in its original box, out of reach of children.

SETUP

This section details how to prepare your drill bits and screwdriver bits for use with a standard drill or cordless screwdriver.

1. **Select the Correct Accessory:** Choose the appropriate drill bit (for stone, metal, or wood) or screwdriver bit for your specific task. Refer to the "Operating Instructions" section for guidance.
2. **Open the Drill Chuck:** Rotate the chuck of your drill or cordless screwdriver counter-clockwise until the jaws are wide enough to accept the shank of the chosen accessory.
3. **Insert the Accessory:** Insert the shank of the drill bit or screwdriver bit fully into the chuck. For screwdriver bits, you may use the quick-change bit holder for easier insertion and removal.
4. **Tighten the Chuck:** Rotate the chuck clockwise until the jaws firmly grip the accessory. Ensure it is centered and securely held to prevent slippage during operation. For keyless chucks, tighten by hand. For keyed chucks, use the chuck key.
5. **Verify Security:** Gently pull on the accessory to confirm it is securely fastened before starting your work.

OPERATING INSTRUCTIONS

The Einhell 39-piece set is versatile for various materials. Always match the drill bit type to the material for optimal performance and safety.

General Drilling Tips:

- Start drilling at a slow speed to create a pilot point and prevent the drill bit from wandering.
- Apply steady, even pressure. Avoid excessive force, which can cause the drill bit to overheat or break.
- Clear chips and debris regularly, especially when drilling deep holes.

Specific Material Guidelines:

For Stone (HM Stone Drill Bits):

- Use the HM (Hard Metal) stone drill bits.
- If your drill has a hammer function, activate it for drilling into masonry or concrete.
- Drill at a moderate speed with consistent pressure.
- Periodically withdraw the drill bit to clear dust and allow cooling.

For Metal (HSS Metal Drill Bits):

- Use the HSS (High-Speed Steel) metal drill bits.
- Mark the drilling point with a center punch to prevent the drill bit from slipping.
- Use a lower speed for harder metals and larger diameter drill bits.
- Apply cutting oil or fluid to lubricate the drill bit and workpiece, reducing heat and extending tool life.
- Maintain constant pressure and clear chips frequently.

For Wood (Wood Drill Bits):

- Use the wood drill bits, which typically have a pointed tip for accurate starting.
- Drill at a moderate to high speed, depending on the wood type and drill bit diameter.
- Ensure the workpiece is supported underneath to prevent splintering on the exit side.
- For deep holes, withdraw the drill bit occasionally to clear sawdust.

Screwdriving and Countersinking:

- **Screwdriver Bits:** Select the correct bit type (PH, PZ, H, SL, T) and size for the screw head. Insert the bit into the quick-change holder or directly into the drill chuck. Apply firm, steady pressure to

prevent cam-out.

- **Socket Spanner Inserts:** Use these for driving nuts or hex-head screws. Ensure the socket size matches the fastener.
- **Countersink:** After drilling a pilot hole, use the countersink bit to create a conical recess for screw heads to sit flush with the surface.

MAINTENANCE

Proper maintenance extends the life of your Einhell bit and drill set and ensures continued performance.

- **Cleaning:** After each use, clean all bits and drills to remove dust, debris, and metal shavings. A dry cloth or brush is usually sufficient. For metal drill bits, remove any cutting fluid residue.
- **Lubrication (Metal Bits):** Lightly oil HSS metal drill bits after cleaning to prevent rust, especially if they will be stored for extended periods.
- **Inspection:** Regularly inspect all components for wear, damage, or dullness. Replace worn or damaged bits and drills to maintain performance and safety.
- **Storage:** Always store the set in its original practical storage box. This protects the components from damage, keeps them organized, and prevents loss. Store in a dry place to prevent rust.



Figure 3: The Einhell 39-Piece Bit and Drill Set in its closed storage case, featuring the KWB logo, designed for secure and organized storage.

TROUBLESHOOTING

This section addresses common issues you might encounter during use.

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Drill bit/screwdriver bit slips in chuck.	Chuck not tightened sufficiently; shank is dirty or oily.	Ensure chuck is fully tightened. Clean the shank of the accessory before insertion.
Drill bit overheats quickly.	Excessive speed or pressure; incorrect drill bit for material; lack of lubrication (for metal).	Reduce drilling speed and pressure. Use appropriate drill bit. Apply cutting fluid for metal. Allow drill bit to cool.
Poor drilling performance or slow progress.	Dull or worn drill bit; incorrect drill bit for material; insufficient pressure.	Replace dull drill bits. Ensure the correct drill bit type is used. Apply steady, appropriate pressure.
Screw head strips or bit cams out.	Incorrect bit size/type; insufficient pressure; excessive speed.	Use the correct bit size and type for the screw. Apply firm, consistent pressure. Reduce screwing speed.

SPECIFICATIONS

Feature	Detail
Model Number	49108956
Number of Pieces	39
Material	High Speed Steel (HSS) for metal drills; Hard Metal (HM) for stone drills
Shank Type	Hex (E6.3 for bits)
Surface Recommendation	Metal, Stone, Wood
Item Weight	1.25 pounds
Product Dimensions (L x W x H)	0.98 x 1 x 0.18 inches (packaging)
Included Components	24 bits, 3 HSS metal drills, 3 wood drills, 2 HM stone drills, 5 socket bits, 1 countersink, 1 quick change bit holder, storage box

WARRANTY AND SUPPORT

For information regarding warranty coverage, product support, or spare parts, please refer to the official Einhell website or contact their customer service directly. Keep your purchase receipt as proof of purchase.
Manufacturer: kwb by Einhell