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CAAT TOOLS TE24 TE25

CAAT TOOLS Drill Chuck Instruction Manual

Model: TE24 TE25

1. Introduction

This manual provides essential information for the safe and effective use of your CAAT TOOLS Drill Chuck, designed for Hilti TE24 and TE25 SDS Plus hammer drills. Please read this manual thoroughly before installation and operation to ensure proper function and longevity of the product.

2. Safety Information

- Always wear appropriate personal protective equipment (PPE), including safety glasses, gloves, and hearing protection, when operating power tools.
- Ensure the power tool is disconnected from the power source before installing, removing, or performing any maintenance on the drill chuck.
- Verify that the drill chuck is securely attached to the hammer drill before use.
- Use only drill bits that are compatible with the SDS Plus system and the drill chuck's capacity.
- Keep hands and loose clothing away from rotating parts during operation.
- Store the drill chuck in a clean, dry place when not in use.

3. Product Overview

The CAAT TOOLS Drill Chuck is an aftermarket replacement part specifically designed for Hilti TE24 and TE25 hammer drills, featuring an SDS Plus type connection. It is manufactured from highly durable materials to ensure reliability and a long service life.





Figure 3.1: General view of the CAAT TOOLS SDS Plus Drill Chuck. This image displays the overall design and form factor of the chuck, highlighting its robust construction.



Figure 3.2: Side profile of the drill chuck. This view provides a clearer perspective of the chuck's contours and the textured grip area.



Figure 3.3: Close-up view of the chuck's internal mechanism. This image illustrates the opening where SDS Plus drill bits are inserted, showing the locking components.



Figure 3.4: Two drill chucks displayed from different angles. This comparison highlights the consistent design and construction from multiple perspectives.

Key Features:

- Compatible with Hilti TE24 and TE25 SDS Plus hammer drills.
- Part numbers: 2608572134, 277057.
- Constructed from highly durable materials for extended lifespan.
- Designed for easy installation without additional tools.
- Meets manufacturing requirements for reliable performance.

4. Setup and Installation

Installing the CAAT TOOLS Drill Chuck is a straightforward process that requires no specialized tools. Follow these steps to securely attach the chuck to your Hilti hammer drill:

1. **Ensure Power Tool is Off:** Before beginning, always ensure your Hilti hammer drill is unplugged from the power source to prevent accidental startup.
2. **Remove Existing Chuck (if applicable):** If there is an existing chuck, consult your Hilti hammer drill's manual for instructions on its removal. Typically, this involves rotating and pulling the chuck off the spindle.
3. **Clean Spindle:** Clean the hammer drill's spindle to remove any dust or debris that could interfere with the new chuck's seating.
4. **Align and Attach:** Align the CAAT TOOLS Drill Chuck with the hammer drill's spindle. Push the chuck firmly onto the spindle while rotating slightly until it clicks into place. Ensure it is fully seated and does not wobble.
5. **Verify Security:** Gently pull on the chuck to confirm it is securely locked onto the drill. It should not come off with moderate force.

The installation process is designed to be very convenient, allowing for quick and easy replacement.

5. Operating Instructions

Once the drill chuck is installed, follow these steps for proper operation:

1. **Insert SDS Plus Bit:** Pull back the collar on the drill chuck. Insert the SDS Plus drill bit into the chuck until it stops.
2. **Release Collar:** Release the collar. The drill bit should be held securely but will have a slight amount of play (axial movement) which is normal for SDS Plus systems to allow for the hammering action.
3. **Verify Bit Security:** Gently pull on the drill bit to ensure it is locked in place. It should not come out.
4. **Connect Power:** Plug in your Hilti hammer drill.
5. **Begin Drilling:** Operate the hammer drill according to its manufacturer's instructions for your specific application.
6. **Remove Bit:** To remove the drill bit, unplug the hammer drill, pull back the collar, and pull the bit out.

6. Maintenance

Regular maintenance ensures the longevity and optimal performance of your drill chuck. The chuck is made of highly durable materials, but proper care is still essential.

- **Cleaning:** After each use, wipe down the chuck with a clean, dry cloth to remove dust, debris, and moisture. For stubborn grime, a slightly damp cloth can be used, followed by thorough drying.
- **Lubrication:** Periodically apply a small amount of appropriate grease or oil to the SDS Plus bit insertion point and the hammer drill's spindle connection to ensure smooth operation and prevent corrosion. Consult your hammer drill's manual for recommended lubricants.
- **Inspection:** Regularly inspect the chuck for any signs of wear, damage, or cracks. Pay close attention to the SDS Plus bit retention mechanism and the connection point to the hammer drill.
- **Storage:** Store the drill chuck in a clean, dry environment, away from extreme temperatures and corrosive substances.

7. Troubleshooting

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

Problem	Possible Cause	Solution
Drill bit not locking securely.	Debris in chuck mechanism; incorrect bit insertion; worn chuck components.	Clean the chuck thoroughly. Ensure the SDS Plus bit is fully inserted and the collar is released. Inspect for damage; if worn, replacement may be necessary.
Chuck difficult to attach/remove from drill.	Debris on drill spindle or chuck connection; lack of lubrication.	Clean both the drill spindle and the chuck's connection point. Apply a thin layer of grease to the spindle.
Excessive wobble of drill bit.	Damaged drill bit; worn chuck components; improper bit insertion.	Inspect the drill bit for bends or damage. Ensure the bit is correctly inserted. If the issue persists, the chuck may be worn and require replacement.

8. Specifications

Feature	Detail

Feature	Detail
Product Name	Drill Chuck for Hilti TE24 TE25 (SDS type)
Brand	CAAT TOOLS
Model Number	TE24 TE25
Compatible Drills	Hilti TE24, Hilti TE25 Hammer Drills
Chuck Type	SDS Plus
Part Numbers	2608572134, 277057
Material	Iron, Plastic
Item Weight	13.9 ounces (approx. 394 grams)
Product Dimensions	5.12 x 2.76 x 2.76 inches (approx. 13 x 7 x 7 cm)
UPC	761330525204

9. Warranty and Support

This CAAT TOOLS Drill Chuck is designed and manufactured to meet high-quality standards. While specific warranty details are not provided in this manual, for any questions regarding product performance, installation, or potential defects, please contact the retailer or the manufacturer directly through their official support channels. Please retain your proof of purchase for any warranty claims.

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