

WilTec 62677

WilTec Chisel Set for Demolition Hammer

MODEL: 62677 - INSTRUCTION MANUAL

1. Product Overview

The WilTec Chisel Set, Model 62677, is designed for use with demolition hammers. This set includes two types of chisels: a pointed chisel and a flat chisel, each optimized for different demolition tasks and material types. These tools are constructed from durable alloy steel to withstand demanding applications.

The **pointed chisel** is primarily used for breaking and chipping hard construction materials such as concrete. Its conical shape concentrates impact energy at the tip, facilitating effective material penetration and removal. This design is ideal for initial breaking and creating lines of fracture.

The **flat chisel** is suitable for processing softer materials like limestone, brick, or similar masonry. With a 35 mm cutting edge, it efficiently applies impact energy across a wider surface, making it effective for cutting edges, stripping, or removing layers of material.

2. Specifications

- **Product Type:** Chisel Set for Demolition Hammer
- **Model Number:** 62677
- **Material:** Alloy Steel
- **Set Contents:** 1x Pointed Chisel, 1x Flat Chisel
- **Pointed Chisel Dimensions:**
 - Length: 415 mm
 - Diameter: 25 mm
- **Flat Chisel Dimensions:**
 - Length: 410 mm
 - Diameter: 25 mm
 - Cutting Edge Width: 35 mm



Figure 1: WilTec Chisel Set with key dimensions. The pointed chisel measures 415 mm in length, and the flat chisel measures 410 mm in length. Both chisels have a shaft diameter of 25 mm. The flat chisel features a 35 mm wide cutting edge.

3. Setup

Before installing the chisels, ensure your demolition hammer is unplugged or its power source is disconnected to prevent accidental operation. Always wear appropriate personal protective equipment (PPE), including safety glasses, gloves, and hearing protection.

1. **Inspect Chisel:** Examine the chisel for any damage, cracks, or excessive wear before use. Do not use damaged chisels.
2. **Clean Hammer Chuck:** Ensure the chuck of your demolition hammer is clean and free of debris.
3. **Insert Chisel:** Insert the chisel shank firmly into the demolition hammer's chuck. Follow your hammer's specific instructions for proper insertion and locking mechanism engagement. Ensure the chisel is securely seated and cannot be easily pulled out.
4. **Verify Fit:** Once inserted, gently tug on the chisel to confirm it is locked in place. A properly installed chisel will not

wobble or detach.

4. Operating Instructions

Always prioritize safety during operation. Refer to your demolition hammer's manual for specific operating procedures and safety guidelines.

1. **Safety First:** Wear all necessary PPE, including safety glasses, hearing protection, dust mask, and heavy-duty gloves. Ensure the work area is clear of bystanders and hazards.
2. **Material Assessment:** Identify the material you are working on to select the appropriate chisel (pointed for hard materials, flat for softer materials).
3. **Positioning:** Hold the demolition hammer firmly with both hands. Position the chisel tip against the material at the desired angle. For breaking, aim for weak points or existing cracks. For cutting, maintain a consistent angle.
4. **Start Operation:** Activate the demolition hammer. Apply steady, controlled pressure. Allow the hammer's impact action to do the work; avoid excessive force, which can lead to tool damage or loss of control.
5. **Work Progress:** For breaking, work systematically, creating fracture lines. For stripping or cutting, move the chisel along the desired path.
6. **Overheating:** If the chisel or hammer becomes excessively hot, stop work and allow them to cool down to prevent damage.
7. **Completion:** Once the task is complete, turn off and unplug the demolition hammer. Allow the chisel to cool before handling or removing.

5. Maintenance

Proper maintenance extends the life of your chisels and ensures safe operation.

- **Cleaning:** After each use, clean the chisels to remove dust, debris, and material residue. A wire brush can be used for stubborn dirt.
- **Inspection:** Regularly inspect chisels for signs of wear, such as blunting, mushrooming of the striking end, cracks, or bending. A blunt chisel will be less effective and may require more force, increasing the risk of injury.
- **Sharpening:** While these chisels are designed for heavy-duty use, their effectiveness can diminish with a dull edge. If the chisel becomes dull, it may be professionally sharpened or carefully sharpened using appropriate grinding tools, ensuring the original angle and temper are maintained. Avoid overheating the chisel during sharpening.
- **Lubrication:** Apply a thin layer of rust-preventative oil to the chisels before storage, especially if they will not be used for an extended period.
- **Storage:** Store chisels in a dry, secure location, away from moisture and corrosive materials. Keep them out of reach of children.

6. Troubleshooting

If you encounter issues during use, consider the following common troubleshooting steps:

- **Chisel Not Engaging/Falling Out:**
 - Ensure the chisel shank is clean and free of debris.
 - Verify the chisel is fully inserted and the hammer's chuck locking mechanism is engaged according to the hammer's manual.
 - Check for damage to the chisel shank or the hammer's chuck.
- **Poor Performance/Ineffective Breaking:**
 - Confirm you are using the correct chisel type for the material (pointed for hard, flat for softer).

- Inspect the chisel tip for excessive wear or blunting. A dull chisel will not perform optimally.
- Ensure your demolition hammer is operating correctly and providing sufficient impact force.

- **Excessive Vibration:**

- Check if the chisel is securely seated in the hammer's chuck.
- Inspect the chisel for any bending or damage that could cause imbalance.

If problems persist after attempting these steps, consult your demolition hammer's service manual or contact a qualified technician.

7. Warranty and Support

For information regarding warranty coverage, product support, or spare parts for your WilTec Chisel Set (Model 62677), please refer to the documentation provided with your purchase or visit the official WilTec website. You may also contact WilTec customer service directly for assistance with product-related inquiries.

ASK A QUESTION ABOUT THIS MANUAL

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Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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