

HILTI 50397

Hilti Powder Actuated Fastener Cartridge 50397 User Manual

1. INTRODUCTION

This manual provides essential information for the safe and effective use of the Hilti Powder Actuated Fastener Cartridge, model 50397. This product is designed for use with compatible Hilti powder-actuated tools to drive fasteners into various base materials. Please read and understand all instructions and safety warnings before use.

2. SAFETY INFORMATION

WARNING: Powder-actuated tools and fasteners are powerful devices. Failure to follow safety instructions can result in serious injury or death.

- Always wear appropriate Personal Protective Equipment (PPE), including safety glasses, hearing protection, and gloves.
- Ensure the work area is clear of bystanders and free from flammable materials.
- Use only with Hilti powder-actuated tools designed for .22 caliber single cartridges.
- Never point a powder-actuated tool at yourself or others.
- Store cartridges in a cool, dry place, away from direct sunlight, heat sources, and open flames. Keep out of reach of children and unauthorized personnel.
- Do not use damaged or expired cartridges.
- Follow all local regulations and safety guidelines for powder-actuated fastening.

3. PRODUCT DESCRIPTION AND COMPONENTS

The Hilti Powder Actuated Fastener Cartridge 50397 is a .22 caliber single cartridge, identified by its green color, indicating a light power level (Power Level 3). These cartridges are designed to provide the necessary force for driving fasteners into various materials when used with a compatible Hilti powder-actuated tool.



Image 1: Hilti .22 caliber green powder actuated fastener cartridges. This image shows a box containing multiple green-colored cartridges, indicating their light power level.

Each box contains 100 cartridges, ensuring a sufficient supply for various fastening tasks.

4. SETUP AND LOADING

Before loading, always ensure your Hilti powder-actuated tool is clean, in good working order, and compatible with .22 caliber single cartridges. Refer to your specific tool's instruction manual for detailed loading procedures.

1. **Inspect Cartridge:** Visually inspect the cartridge for any damage or deformities. Do not use if damaged.
2. **Open Tool:** Follow your tool's instructions to open the breech or loading mechanism.
3. **Insert Cartridge:** Carefully insert one Hilti .22 caliber green cartridge into the designated chamber. Ensure it is seated correctly.
4. **Close Tool:** Close the tool's breech or loading mechanism securely. The tool is now ready for operation.

Note: Never force a cartridge into the tool. If it does not fit easily, re-check compatibility or inspect for obstructions.

5. OPERATING INSTRUCTIONS

Operating a powder-actuated tool requires precision and adherence to safety protocols. Always consult your specific Hilti tool's operating manual for complete instructions.

- **Select Fastener:** Choose the appropriate fastener for your application and base material.
- **Position Tool:** Place the tool firmly and perpendicularly against the work surface where the fastener is to be driven.
- **Activate Tool:** Follow the tool's specific activation procedure, which typically involves applying pressure and then pulling the trigger.
- **Verify Fastening:** After firing, inspect the fastener to ensure it is properly seated and secured.
- **Unload Tool:** If not immediately reusing, unload the tool according to its manual to prevent accidental discharge.

6. STORAGE AND HANDLING

Proper storage and handling are crucial for maintaining the integrity and safety of Hilti powder-actuated cartridges.

- Store cartridges in their original packaging in a cool, dry, and well-ventilated area.
- Keep away from direct sunlight, high temperatures, sparks, and open flames.
- Do not expose cartridges to moisture or corrosive substances.
- Handle cartridges carefully; avoid dropping or subjecting them to impact.
- Dispose of unused or expired cartridges according to local regulations for hazardous materials. Do not incinerate.

7. TROUBLESHOOTING

If you encounter issues while using Hilti powder-actuated cartridges, consider the following general troubleshooting steps. Always refer to your specific tool's manual for detailed troubleshooting.

- **Misfire:** If a cartridge does not fire, keep the tool pointed at the work surface for at least 30 seconds. Then, carefully follow your tool's instructions for safely removing a misfired cartridge. Never attempt to re-fire a misfired cartridge.
- **Fastener Not Driving Properly:**
 - Ensure the correct power level cartridge (green/light) is being used for the base material.
 - Verify the fastener is appropriate for the application.
 - Check if the tool is held firmly and perpendicularly against the surface.
 - Inspect the tool for any blockages or wear.
- **Cartridge Ejection Issues:** Ensure the tool's ejection mechanism is clean and free of debris.

If problems persist, discontinue use and contact Hilti customer support or a qualified service technician.

8. SPECIFICATIONS

Brand	HILTI
Model Number	50397
Cartridge Type	.22 caliber single, 5.6/16 ND
Power Level	3 (Light)
Color	Green
Quantity per Box	100
Manufacturer Part Number	50397

9. WARRANTY AND SUPPORT

For information regarding product warranty, technical support, or service, please contact Hilti customer service directly. You can find contact details on the official Hilti website or through your local Hilti representative.

Hilti Official Website: www.hilti.com

Please have your product model number (50397) and any relevant purchase information ready when contacting support.

