

IWISS ICP-CT02

IWISS ICP-CT02 PEX Crimp Fitting Removal Tool User Manual

Model: ICP-CT02

1. INTRODUCTION

Thank you for choosing the IWISS ICP-CT02 PEX Crimp Fitting Removal Tool. This tool is designed for the efficient and safe removal of PEX copper crimp rings and stainless steel cinch clamps from PEX tubing and fittings. It supports common sizes, allowing for modification or correction of PEX plumbing connections without damaging the fittings. Please read this manual thoroughly before use to ensure proper operation and safety.

2. PRODUCT OVERVIEW AND FEATURES

The ICP-CT02 tool is engineered for durability and ease of use, featuring ergonomic handles and adjustable settings for various PEX fitting types and sizes.

- **Versatile Removal:** Specifically designed to remove both stainless steel pinch clamps and copper crimp rings.
- **Wide Compatibility:** Suitable for 3/8-inch to 1-inch PEX clamps and 1/2-inch to 1-inch copper crimp rings. Ideal for ASTM F1807 brass fittings and poly/PPSU fittings.
- **Fitting Preservation:** Removes rings and clamps with a gentle action to prevent damage to fittings, allowing for reuse.
- **Adjustable Settings:** Features an easy dial setting to adjust for different fitting sizes and types.
- **Ergonomic Design:** Equipped with anti-skid grips for comfortable and secure operation.



Figure 2.1: Labeled diagram of the ICP-CT02 tool, highlighting the copper ring cutter, cinch clamp cutter, size dial, power adjustment, tool lock, and ergonomic handles.

3. SAFETY INSTRUCTIONS

Always follow these safety guidelines to prevent injury and damage to the tool or materials.

- **Wear Eye Protection:** Always wear safety glasses or goggles to protect your eyes from flying debris.
- **Sharp Blades:** The tool contains sharp blades. Handle with care to avoid cuts. Keep fingers clear of the cutting area during operation.
- **Keep Clear:** Ensure hands and other body parts are clear of moving parts when operating the tool.
- **Proper Use:** Use the tool only for its intended purpose of removing PEX crimp rings and cinch clamps. Do not use it for cutting other materials or as a pry tool.
- **Secure Workpiece:** Ensure the PEX fitting and tubing are stable before attempting removal.
- **Storage:** Store the tool in a dry, secure place, out of reach of children. Engage the tool lock for safe storage.

4. SETUP

Before operating the tool, ensure it is properly set up for the specific type and size of crimp or clamp you intend to remove.

- 1. **Identify Fitting Type:** Determine if you are removing a copper crimp ring or a stainless steel cinch clamp.
- 2. **Identify Fitting Size:** Note the size of the PEX fitting (e.g., 1/2-inch, 3/4-inch, 1-inch).
- 3. **Adjust Size Dial:** Locate the size dial on the tool. Rotate the dial to the appropriate setting for the fitting size and type. Refer to the markings on the tool for guidance (e.g., 'C' for Cut off Clamp, 'A' for 1/2" Brass, 'B' for 3/4" Brass + 1/2" PPSU, etc.).
- 4. **Unlock Tool:** If the tool is locked for storage, disengage the tool lock mechanism.

PEX FITTING REMOVAL TOOL

☒ PEX CLAMP

☒ COPPER RING

MODEL	ICP-CT02
COPPER RING REMOVAL	1/2", 3/4", 1"
PEX CLAMP REMOVAL	3/8", 1/2", 3/4", 1"
LENGTH	220mm/9.64inch
WEIGHT	0.58kg/1.28 lb

Figure 4.1: The ICP-CT02 tool showing its overall design and a table indicating its capabilities for copper ring and PEX clamp removal across different sizes.

5. OPERATING INSTRUCTIONS

Follow these steps for effective removal of PEX crimp rings and cinch clamps.

5.1. Copper Crimp Ring Removal

1. **Prepare the Connection:** If possible, cut the PEX pipe close to the fitting to provide better access to the crimp ring.
2. **Position the Tool:** With the size dial set correctly for the copper ring, open the tool jaws and position the copper ring cutter around the crimp ring. Ensure the cutting edge is aligned with the ring.
3. **Apply Pressure:** Slowly and firmly squeeze the handles of the tool. The cutter will cut through the copper crimp ring.
4. **Remove Ring:** Once the ring is cut, it should expand slightly, allowing it to be easily pulled off the fitting. If necessary, reposition the tool and make another cut to fully open the ring.
5. **Inspect Fitting:** After removal, inspect the PEX fitting for any damage. The tool is designed to avoid damage, but always verify before reuse.

COPPER RING REMOVAL



Figure 5.1: The ICP-CT02 tool positioned to cut a copper crimp ring from a PEX fitting, demonstrating the removal process for both PPSU and brass fittings.

5.2. Stainless Steel Cinch Clamp Removal

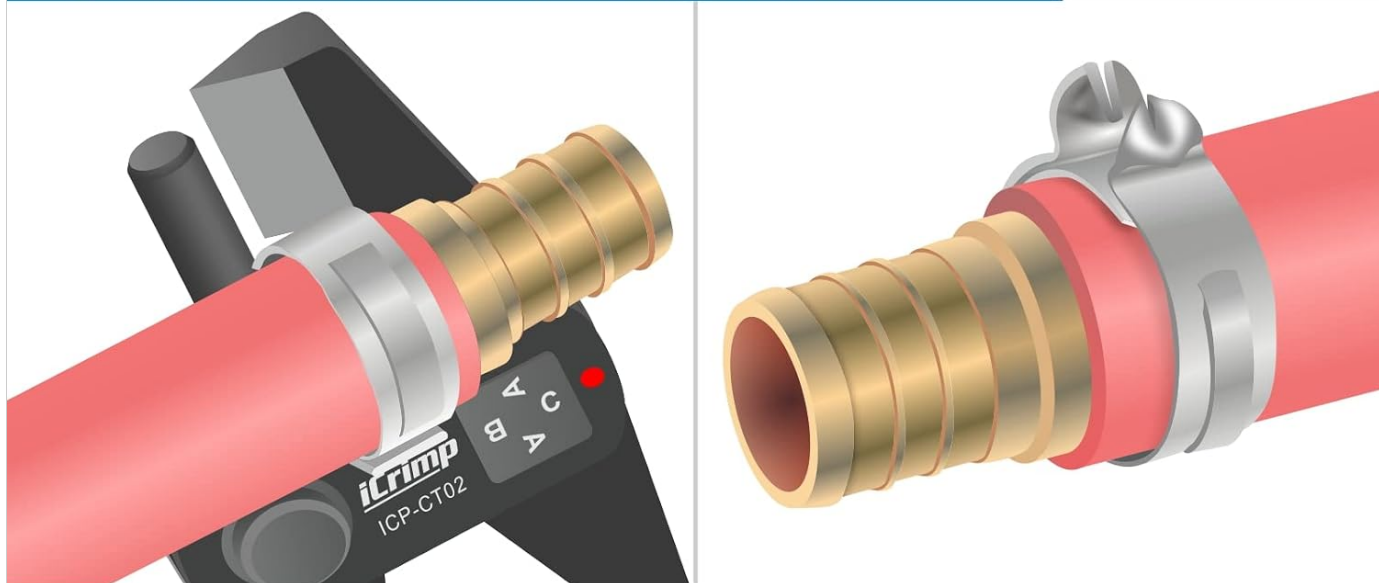
1. **Prepare the Connection:** As with copper rings, cutting the PEX pipe near the fitting can provide better access.
2. **Position the Tool:** Adjust the size dial for the stainless steel cinch clamp. Open the tool jaws and place the cinch clamp cutter around the raised ear of the clamp.
3. **Apply Pressure:** Squeeze the handles firmly. The cutter will shear through the ear of the cinch clamp.
4. **Remove Clamp:** Once the ear is cut, the clamp will loosen and can be easily removed from the fitting.
5. **Inspect Fitting:** Check the PEX fitting for any signs of damage before considering reuse.

PEX CLAMP REMOVAL



Figure 5.2: The ICP-CT02 tool positioned to cut a PEX cinch clamp, illustrating the removal process.

PEX CLAMP REMOVAL



COPPER RING REMOVAL

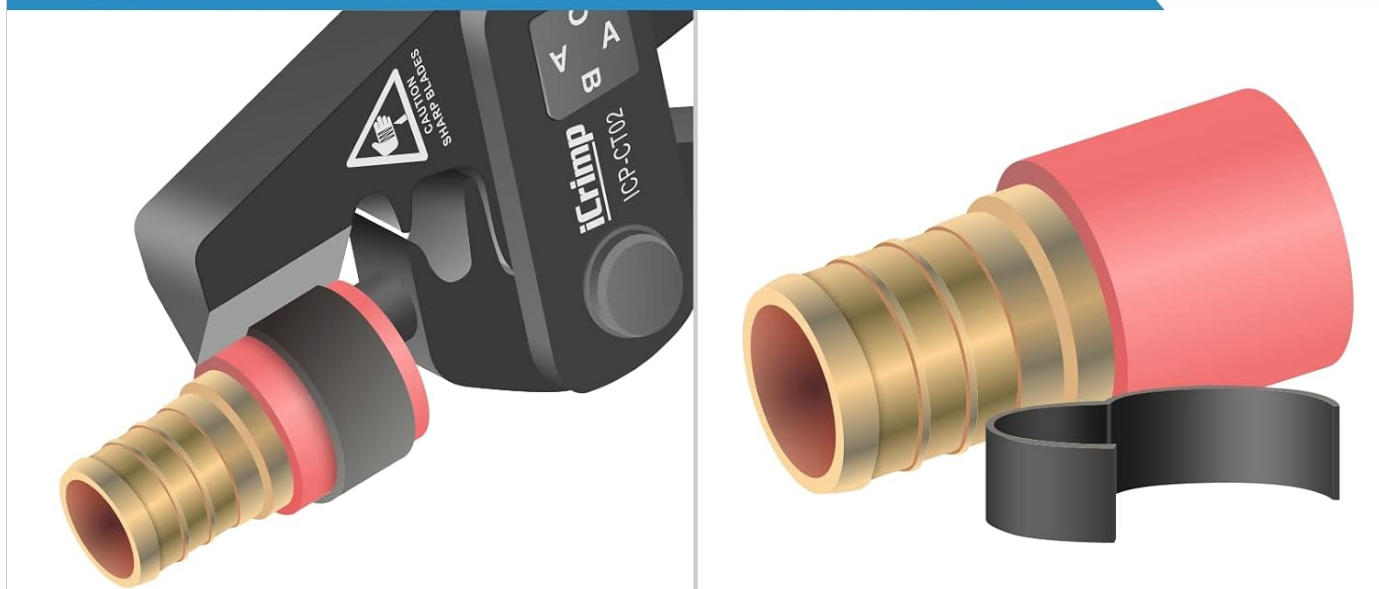


Figure 5.3: Side-by-side view demonstrating the tool's application for both PEX clamp removal (top) and copper ring removal (bottom).

6. MAINTENANCE

Proper maintenance will extend the life and performance of your ICP-CT02 tool.

- **Cleaning:** After each use, wipe down the tool with a clean, dry cloth to remove any debris or moisture.
- **Lubrication:** Periodically apply a light machine oil to the pivot points and moving parts to ensure smooth operation and prevent rust.
- **Inspection:** Regularly inspect the cutting blades for wear or damage. If blades appear dull or damaged, contact IWISS support for potential replacement or service.
- **Storage:** Store the tool in a dry environment. Engage the tool lock to keep the handles closed and protect the blades during storage.

7. TROUBLESHOOTING

If you encounter issues while using the ICP-CT02 tool, refer to the following common problems and solutions.

• **Difficulty Cutting:**

- Ensure the size dial is set correctly for the specific crimp ring or clamp.
- Verify that the cutting blades are clean and free of debris.
- Apply firm, steady pressure to the handles.
- Inspect blades for dullness or damage; worn blades may require service.

• **Damaging Fittings:**

- Confirm the size dial is set accurately for the fitting. Incorrect settings can cause improper cutting and damage.
- Ensure the tool is positioned correctly on the crimp or clamp, not on the fitting itself.
- Avoid excessive force; the tool is designed for clean cuts with appropriate pressure.

• **Tool Handles Sticking/Stiff:**

- Clean the pivot points and moving parts.
- Apply a light lubricant to the pivot points.

8. SPECIFICATIONS

Feature	Specification
Model Number	ICP-CT02
Brand	IWISS
Copper Ring Removal Sizes	1/2-inch, 3/4-inch, 1-inch
PEX Clamp Removal Sizes	3/8-inch, 1/2-inch, 3/4-inch, 1-inch
Handle Material	Stainless Steel
Grip Type	Ergonomic
Color	Silver/Metallic

9. WARRANTY AND SUPPORT

IWISS stands behind the quality of its products. For specific warranty information, please refer to the documentation included with your purchase or visit the official IWISS website. If you require technical assistance, have questions about operation, or need to report a defect, please contact IWISS customer support through their official channels. Provide your product model number (ICP-CT02) and purchase details for faster service.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

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Question

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.

Submit question