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› iCrimp Mini PEX Pipe Quick Cinch Tool Set (Model: Crimp-Cut-Clamp Kit) Instruction Manual

iCRIMP Crimp-Cut-Clamp Kit

iCrimp Mini PEX Pipe Quick Cinch Tool Set Instruction Manual

Model: Crimp-Cut-Clamp Kit

1. INTRODUCTION

This manual provides essential instructions for the safe and effective use of your iCrimp Mini PEX Pipe Quick Cinch Tool Set. Please read this manual thoroughly before operation and retain it for future reference. This tool set is designed for securing stainless steel clamps on PEX pipes, compatible with sizes from 3/8-inch to 1-inch, meeting ASTM F2098 standards.

2. PRODUCT OVERVIEW

The iCrimp Mini PEX Pipe Quick Cinch Tool Set includes a compact cinch tool, a PEX cutter, and an assortment of stainless steel clamps. The cinch tool features an upgraded design for easier operation in confined spaces, incorporating a robust ratchet mechanism for reliable crimping. The PEX cutter provides clean, precise cuts for optimal pipe preparation.



Figure 1: iCrimp Mini PEX Pipe Quick Cinch Tool Set components.

UPGRADED

HANDLES

– Less effort required

- The cinch tool is only 9.05inch, and the the distance between the two handles in the end when fully opening is only 11.81inch, which makes it's more suitable for confined area.
- More thoughtful ergonomic handle design with anti-slip grip made of TPR makes it's easier to cinch. More reasonable mechanical handle requires less effort.
- The distance of the handles is much shorter to ensure more power be transited to the head part, easy to cinch big size clamps.



Figure 2: The cinch tool features ergonomic handles for reduced effort and improved access in tight areas.



Figure 3: Detailed view of the cinch tool's robust ratchet mechanism and metal-plated joints for enhanced strength.

3. SAFETY INFORMATION

- Always wear appropriate personal protective equipment, including safety glasses, when using the tools.
- Keep hands and fingers clear of moving parts, especially the crimping jaws and cutter blade.
- Ensure the work area is well-lit and free from obstructions.
- Do not use the tools for purposes other than their intended design.
- Keep tools out of reach of children.

4. SETUP

Before beginning any PEX installation, ensure you have all necessary components: PEX pipe, PEX fittings, stainless steel clamps, the iCrimp cinch tool, and the PEX cutter.

1. **Inspect Tools:** Verify that both the cinch tool and PEX cutter are clean and in good working condition.
2. **Select Correct Clamp:** Choose the appropriate size stainless steel clamp for your PEX pipe diameter.



Figure 4: The PEX cutter features a sharp stainless steel blade for clean cuts and a spring design for quick action.

5. OPERATING INSTRUCTIONS

Follow these steps for proper PEX pipe cutting and clamp cinching:

1. **Cut PEX Pipe:** Use the PEX cutter to make a clean, straight cut on the PEX pipe. Ensure the cut is perpendicular to the pipe length.
2. **Install Clamp and Fitting:** Slide a stainless steel clamp onto the PEX pipe, followed by the PEX fitting. Position the clamp over the fitting's barb, ensuring it is centered and approximately 1/8 inch from the end of the pipe.
3. **Cinch the Clamp:** Place the jaws of the iCrimp cinch tool over the ear of the stainless steel clamp.
4. **Squeeze Handles:** Hold the end of the cinch tool handles with two hands separately and squeeze

slightly to engage the clamp. Then, hold the handles with both hands together and squeeze firmly until the tool's ratchet mechanism auto-releases, indicating a complete cinch.

5. **Verify Cinch:** After cinching, visually inspect the clamp to ensure it is securely fastened and the ear is fully compressed.

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Video 1: Demonstration of how to easily cinch a PEX clamp using the iCrimp CRP961 tool.



Figure 5: The cinch tool is versatile, accommodating PEX clamps from 3/8-inch to 1-inch.



Figure 6: The cinch tool is also compatible with single ear hose clamps for automotive and marine applications.

6. MAINTENANCE

- **Cleaning:** After each use, wipe down the tools with a clean, dry cloth to remove any dirt or debris.
- **Lubrication:** Periodically apply a light machine oil to the pivot points and ratchet mechanism of the cinch tool to ensure smooth operation.
- **Storage:** Store the tools in a dry, clean environment to prevent rust and damage.
- **Inspection:** Regularly inspect the jaws of the cinch tool and the blade of the PEX cutter for wear or damage. Replace if necessary.

7. TROUBLESHOOTING

- **Clamp Not Fully Cinching:** Ensure the correct clamp size is used for the pipe and fitting. Apply firm, consistent pressure until the tool auto-releases. If the issue persists, inspect the tool for wear or damage.
- **Difficulty Squeezing Handles:** For larger clamps (e.g., 1-inch), more force may be required. Ensure the tool is properly lubricated. The compact design is optimized for tight spaces, but may require more leverage than larger tools.
- **Uneven Pipe Cuts:** Ensure the PEX pipe is held firmly and squarely in the cutter. The cutter blade

should be sharp and free of debris.

8. SPECIFICATIONS

- **Model:** Crimp-Cut-Clamp Kit (CRP961)
- **Compatible Clamp Sizes:** 3/8-inch to 1-inch stainless steel clamps (ASTM F2098 standard)
- **Cinch Tool Length:** 9.05 inches
- **PEX Cutter Length:** 7.87 inches
- **PEX Cutter Weight:** 0.33 lbs (approx. 150g)
- **Cinch Tool Weight:** 1.06 lbs (approx. 480g)
- **PEX Cutter Weight:** 0.33 lbs (approx. 150g)
- **Handle Material:** Thermoplastic Elastomer (TPE) for ergonomic grip
- **Construction Material:** Durable high-quality steel
- **Included Components:** 1 Cinch Tool, 1 PEX Cutter, 20 pcs 1/2-inch Stainless Steel Clamps, 10 pcs 3/4-inch Stainless Steel Clamps



Figure 7: Physical dimensions and weights of the cinch tool and PEX cutter.

9. WARRANTY AND SUPPORT

For warranty information, product registration, or technical support, please refer to the documentation

included with your product packaging or visit the official iCRIMP website. Contact details for customer service are typically provided on the manufacturer's website.