

iCRIMP IWS-1632CF

iCRIMP IWS-1632CF Copper Pipe Press Tool Kit

User Instruction Manual

1. PRODUCT OVERVIEW

The iCRIMP IWS-1632CF is a comprehensive tool kit designed for efficient and secure installation of copper pipe connections using Viega ProPress fittings. This kit includes a copper pipe crimper, a copper tubing cutter, and a socket wrench, facilitating faster and reliable plumbing and HVAC installations. The press tool features a compact body for access in confined spaces and an integrated white LED light indicator to confirm a watertight connection.

The hexagonal crimping jaws are compatible with 1/2-inch, 3/4-inch, and 1-inch Viega ProPress fittings. The copper tubing cutter is capable of cutting copper tubing up to 1-1/4 inches O.D., producing clean, burr-free cuts. The crimping tool can be operated manually with the included socket wrench or powered by an impact wrench for increased speed and reduced effort.

2. SAFETY INFORMATION

- Always wear appropriate personal protective equipment (PPE), including safety glasses and gloves, when operating the tool.
- Ensure the work area is well-lit and clear of obstructions.
- Before beginning any work, verify that the pipe system is depressurized and drained.
- Do not attempt to crimp fittings on live or pressurized lines.
- Keep hands and fingers clear of the crimping jaws during operation to prevent injury.
- Use only the specified Viega ProPress fittings and corresponding jaw sizes.
- Store the tool kit in a dry, secure location away from children and unauthorized users.

3. PACKAGE CONTENTS

The iCRIMP IWS-1632CF Copper Pipe Press Tool Kit includes the following components:

- IWS-1632CF Copper Pipe Press Tool
- CT-532 Copper Tubing Cutter (up to 1-1/4 inch O.D.)
- Socket Wrench
- Hexagonal Crimping Jaws: 1/2-inch, 3/4-inch, and 1-inch

- Durable Storage Case

IWS-1632CF PROPRESS PRESS TOOL



Model	IWS-1632CF
Capacity	1/2", 3/4", 1"
Length	13.11inch
Weight	3.06lb



Image: The iCRIMP IWS-1632CF ProPress Press Tool, highlighting its model, capacity, length, and weight.

CT-532

COPPER TUBE CUTTER



Model	CT-532
Capacity	3/16" - 1 1/4"
Length	5.9inch
Weight	0.88lb



Image: The CT-532 Copper Tube Cutter, showing its model, capacity, length, and weight.

INSTALLERS

WRENCH & SOCKET



Image: The included installer's wrench and socket, with dimensions.

PROPRESS PRESS SETS



Image: The hexagonal die sets for 1/2-inch, 3/4-inch, and 1-inch pipe sizes.

4. SPECIFICATIONS

Feature	Specification
Brand	iCRIMP
Model Number	IWS-1632CF
Compatible Fitting Sizes	1/2-inch, 3/4-inch, 1-inch (Viega ProPress, Elkhart ApolloXpress, Grinnell G-Press)
Tool Length	13.11 inches
Tool Weight	3.06 lbs
Copper Tubing Cutter Capacity	Up to 1-1/4 inches O.D.
Operation Method	Manual (Socket Wrench) or Powered (Impact Wrench)
Indicator	White LED light for complete press cycle
Handle Material	Steel, Plastic (Ergonomic Grip)

5. SETUP

- 1. Prepare the Pipe:** Measure and mark the copper pipe for cutting. Ensure the pipe is clean and free of debris.
- 2. Cut the Pipe:** Use the included CT-532 copper tubing cutter to make a clean, burr-free cut. Rotate the cutter around the pipe, gradually tightening the knob until the cut is complete.



Image: A copper pipe being cut using the CT-532 copper tubing cutter.

3. **Clean and Deburr:** After cutting, ensure the pipe ends are smooth and free of any burrs or sharp edges that could damage the fitting's O-ring.
4. **Position the Fitting:** Slide the appropriate Viega ProPress fitting onto the prepared copper pipe. Ensure the pipe is fully inserted into the fitting and properly aligned.



Image: A copper pipe with a ProPress fitting correctly positioned for crimping.

5. **Select and Install Jaws:** Choose the correct hexagonal crimping jaws (1/2-inch, 3/4-inch, or 1-inch) that match the fitting size. Insert the jaws into the iCRIMP press tool.

6. OPERATING INSTRUCTIONS

Follow these steps to create a secure press connection:

1. **Position the Tool:** Open the press tool jaws and place them squarely over the fitting. Ensure the fitting is centered within the jaws. The screw assembly should hold the copper fitting in place.



Image: The iCRIMP press tool correctly positioned over a ProPress fitting.

2. **Initiate the Press:** Begin tightening the press tool. You can use the included socket wrench or an impact wrench with a suitable adapter.

Press with socket wrench (included)

**PRESS.
CONNECT.
DONE.**

Press with impact wrench

Image: Demonstrates using both the socket wrench and an impact wrench to operate the press tool.

3. **Complete the Press Cycle:** Continue tightening until the white LED light indicator on the tool illuminates. This light signifies that a complete and watertight press connection has been achieved.



Image: The press tool in the process of completing a crimp on a copper fitting.

4. **Inspect the Connection:** After the LED illuminates, release the tool and visually inspect the crimped fitting to ensure it is uniform and secure.

SAFE & RELIABLE

FAST, FLEXIBLE



Image: Examples of properly crimped copper pipes in 1/2-inch, 3/4-inch, and 1-inch sizes.

Video: IWS-1632CF Copper Press Tool for Viega ProPress Fittings

Your browser does not support the video tag.

Video demonstrating the operation of the iCRIMP IWS-1632CF Copper Press Tool for Viega ProPress Fittings, including the use of the socket wrench and the LED indicator.

7. MAINTENANCE

- **Cleaning:** After each use, wipe down the press tool and jaws with a clean, dry cloth to remove any dirt or debris.
- **Lubrication:** Periodically apply a light coat of machine oil to the moving parts of the press tool and the threads of the screw assembly to ensure smooth operation.
- **Inspection:** Regularly inspect the crimping jaws for wear, damage, or deformation. Replace worn or damaged jaws immediately to ensure proper crimps.
- **Storage:** Store all components in the provided durable case to protect them from dust, moisture, and physical

damage.

8. TROUBLESHOOTING

- **LED Indicator Not Lighting Up:** If the LED indicator does not light up after a full press, first ensure the tool has completed its full crimping cycle. If the issue persists, the internal battery for the LED might be depleted or the sensor may be obstructed. While the LED confirms a full press, a properly tightened crimp should still be secure. Visually inspect the crimp for uniformity.
- **Difficulty Tightening:** Ensure the correct jaw size is selected for the fitting. Lubricate the screw assembly if resistance is felt during tightening. For very tight spaces or stubborn fittings, ensure the tool is properly aligned and consider using an impact wrench for additional torque.
- **Leaking Connection:** A leaking connection typically indicates an improper crimp. This can be caused by:
 - Incorrect pipe preparation (burrs, unclean surface).
 - Improper fitting insertion (pipe not fully seated).
 - Damaged or worn crimping jaws.
 - Incomplete press cycle (LED did not illuminate, or crimp was not fully tightened).

Re-evaluate the process, inspect components, and attempt a new crimp on a fresh fitting and pipe section.

- **Tool Jaws Not Closing Properly:** Check for any obstructions between the jaws or within the tool mechanism. Ensure the jaws are correctly seated in the tool.

9. WARRANTY AND SUPPORT

For warranty information, technical support, or to purchase replacement parts, please contact iCRIMP customer service through their official website or the retailer where the product was purchased. Keep your proof of purchase for warranty claims.

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ASK A QUESTION ABOUT THIS MANUAL

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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