

Preciva CP621200

Preciva Ferrule Crimping Tool Kit Instruction Manual

Model: CP621200

1. INTRODUCTION AND OVERVIEW

Thank you for choosing the Preciva Ferrule Crimping Tool Kit. This comprehensive kit is designed to provide professional, secure, and clean electrical connections for both insulated and uninsulated wire terminals.

With its self-adjustable mechanism and ergonomic design, it simplifies the crimping process, making it ideal for electricians, builders, and DIY enthusiasts. This manual provides detailed instructions on the proper setup, operation, and maintenance of your crimping tool kit to ensure optimal performance and longevity.

2. PRODUCT COMPONENTS

Your Preciva Ferrule Crimping Tool Kit includes the following items:

- 1 x Self-adjustable Ratchet Wire Crimping Tool (AWG23-7 / 0.25-10 mm²)
- 1200 x Insulated Wire Terminals (various sizes and colors)
- 1 x Storage Case for terminals
- 1 x Carrying Bag for the tool and terminal case

Newly Upgraded Collection Easy to Store and Carry



Image: Overview of the Preciva Ferrule Crimping Tool Kit, showing the crimping tool, a clear case filled with 1200 assorted insulated wire terminals, and a blue carrying bag.

3. SETUP AND TOOL FEATURES

Before using the crimping tool, familiarize yourself with its key features:

- **Self-adjustable Jaws:** The tool automatically adjusts to the appropriate diameter for crimping various terminal sizes (0.25-10 mm² / AWG23-7), eliminating the need for manual die changes.
- **Four-Mandrel Design:** Ensures a precise and secure crimp on all four sides of the ferrule, providing a strong connection.
- **Pressure Adjustment Ratchet:** Allows fine-tuning of the crimping pressure for optimal results and to prevent over-crimping or under-crimping. Turn towards "+" to tighten, and "-" to loosen.
- **Quick Release Safety Lock:** A mechanism to release the jaws if a crimp needs to be interrupted or adjusted.
- **Ergonomic Handles:** Designed with a non-slip TPR+PP material and lever principle to reduce hand fatigue and improve crimping efficiency.

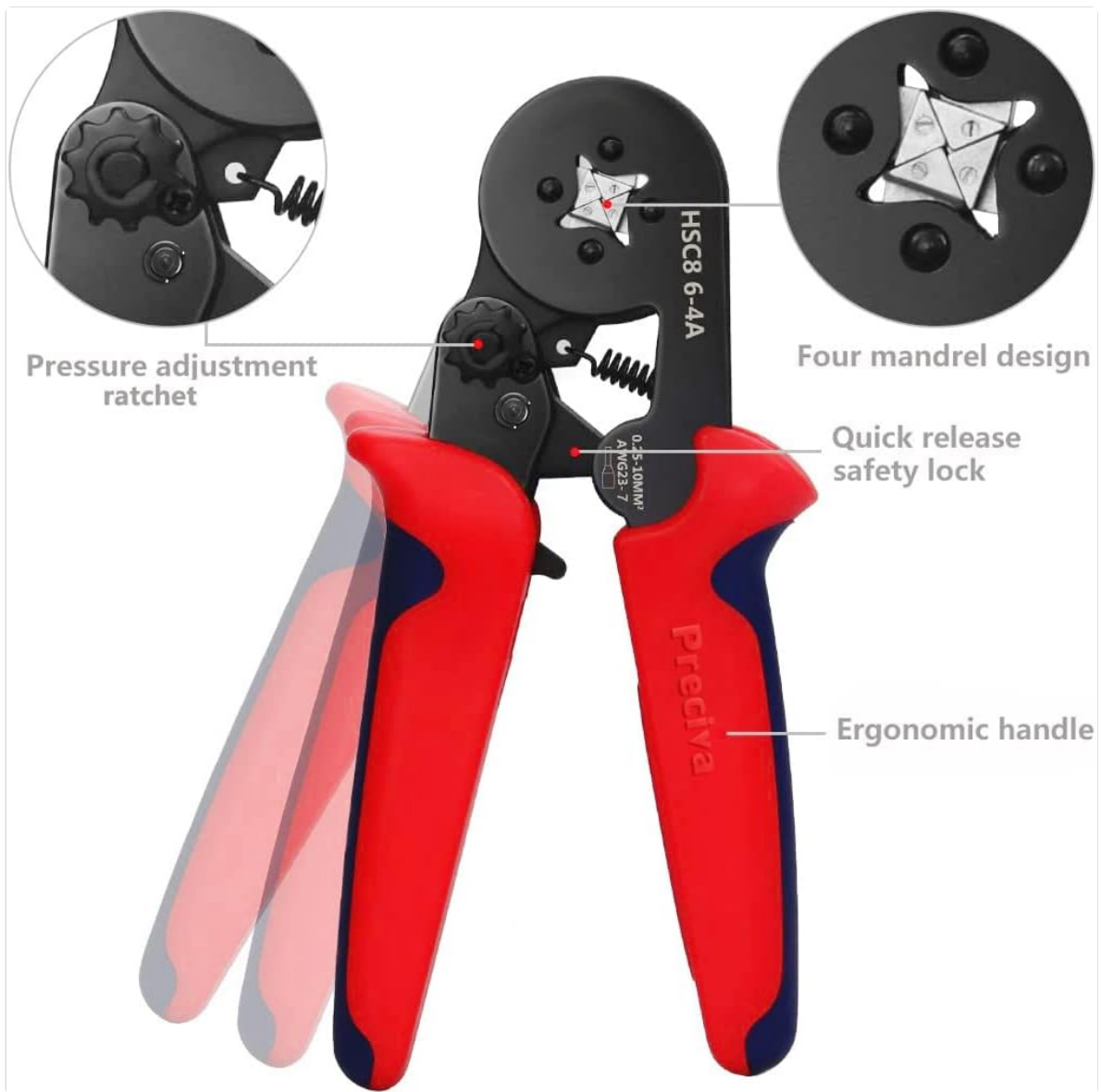


Image: Detailed view of the crimping tool's adjustable features and ergonomic handles.



Image: Physical dimensions of the crimping tool for reference.

4. OPERATING INSTRUCTIONS

Follow these steps to achieve a perfect crimp:

1. **Prepare the Wire:** Strip the insulation from the end of your wire to the appropriate length, ensuring that the bare wire will fully enter the metal tube of the ferrule without excess insulation inside.
2. **Select the Ferrule:** Choose an insulated wire ferrule from the assortment that matches the gauge (AWG/mm²) of your wire. The kit includes various sizes, color-coded for easy identification.
3. **Position for Crimping:** Place the ferrule with the inserted wire into the crimping jaws of the tool. The self-adjusting mechanism will automatically size to the ferrule. Ensure the ferrule is seated correctly and straight.
4. **Crimp the Ferrule:** Squeeze the handles of the crimping tool firmly and completely until the ratchet mechanism releases. This ensures a full and secure crimp.
5. **Inspect the Crimp:** After releasing the handles, remove the crimped wire. Inspect the ferrule to ensure it is securely attached to the wire and the crimp is uniform and tight. The four-mandrel design should result in a square-shaped crimp.



Ensure Crimping Precision

Keeps the wire tightly crimped with the ferrule terminal

Image: Example of a precisely crimped ferrule, demonstrating a secure connection.

Video Demonstration: Preciva Ferrule Crimping Tool Kit in Use

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Video: An official demonstration by Preciva US showing the features and step-by-step process of using the ferrule crimping tool to create secure wire connections.

5. MAINTENANCE

To ensure the longevity and optimal performance of your Preciva crimping tool, follow these maintenance guidelines:

- **Cleaning:** After each use, wipe down the tool with a clean, dry cloth to remove any dust, debris, or residue. Avoid using harsh chemicals or abrasive cleaners.
- **Lubrication:** Periodically apply a small amount of light machine oil to the pivot points and moving parts of the tool to ensure smooth operation.
- **Storage:** Store the crimping tool and terminals in their provided carrying bag and case in a dry, clean environment, away from direct sunlight and extreme temperatures.

- **Inspection:** Regularly inspect the jaws for any signs of wear, damage, or misalignment. Ensure the ratchet mechanism functions smoothly.

6. TROUBLESHOOTING

If you encounter any issues while using your crimping tool, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Loose crimp / Wire pulls out easily	Incorrect ferrule size (too large), insufficient crimping pressure, or wire not fully inserted.	Ensure correct ferrule size for wire gauge. Adjust pressure ratchet towards "+". Re-insert wire fully into ferrule. Ensure tool handles are fully squeezed until ratchet releases.
Damaged ferrule / Over-crimping	Excessive crimping pressure, or incorrect ferrule size (too small).	Adjust pressure ratchet towards "-". Use the correct ferrule size.
Tool jams or sticks	Debris in jaws, lack of lubrication, or attempting to crimp an oversized ferrule.	Clean jaws thoroughly. Apply light machine oil to pivot points. Ensure ferrule size is within the tool's specified range (0.25-10 mm²). Use the quick release if necessary.

7. SPECIFICATIONS

- **Brand:** Preciva
- **Model:** CP621200
- **Crimping Range:** 0.25-10 mm² (AWG23-7)
- **Handle Material:** Acrylonitrile Butadiene Styrene (ABS)
- **Grip Type:** Ergonomic
- **Included Terminals:** 1200 PCS (various sizes and colors)
- **Tool Dimensions:** Approximately 6.89"L x 6.1"W
- **Item Weight:** Approximately 1.74 pounds (790 grams)

8. WARRANTY AND SUPPORT

Preciva is committed to providing high-quality tools and excellent customer service. For any questions, technical assistance, or warranty inquiries regarding your Ferrule Crimping Tool Kit, please contact Preciva customer support through the retailer where you purchased the product or visit the official Preciva website for contact information.

Please retain your proof of purchase for warranty claims.

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