

iCRIMP CWR1522

iCRIMP CWR1522 Wire Rope Crimping Tool Kit Instruction Manual

Model: CWR1522 | Brand: iCRIMP

1. INTRODUCTION

This manual provides detailed instructions for the safe and effective use of the iCRIMP CWR1522 Wire Rope Crimping Tool Kit. This kit is designed for crimping wire rope ferrules and cutting wire rope up to 2.2mm in diameter, suitable for applications such as cable railing, deck projects, and general wire rope assembly.



Image 1.1: Overview of the iCRIMP CWR1522 Wire Rope Crimping Tool Kit.

2. SAFETY INFORMATION

Always follow these safety guidelines to prevent injury and damage to the tool:

- Wear appropriate personal protective equipment, including safety glasses and gloves, when operating the tool.
- Keep hands and fingers clear of the crimping jaws and cutting blade during operation.
- Ensure the wire rope and ferrules are correctly sized and positioned before crimping.
- Do not attempt to crimp or cut materials beyond the tool's specified capacity.
- Store the tool in a dry, secure place, out of reach of children.
- Inspect the tool for any damage or wear before each use. Do not use a damaged tool.

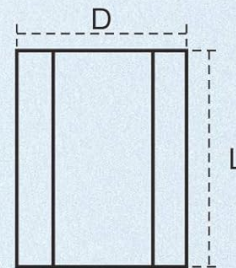
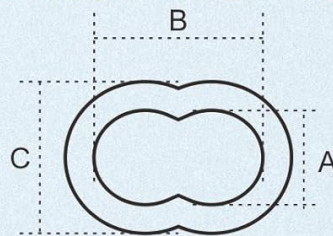
3. PACKAGE CONTENTS

The iCRIMP CWR1522 Wire Rope Crimping Tool Kit includes:

- 1 x iCRIMP CWR1522 Wire Rope Crimping Tool
- 150 x Aluminum Double Ferrules (various sizes)



PARAMETER OF ALUMINIUM SLEEVES



SIZE	A (mm)	B (mm)	C (mm)	D (mm)	L (mm)	Quantity
1.2	1.60	3.20	3.82	5.15	9.00	50
1.5	1.98	3.96	4.12	6.18	9.00	50
2.0	2.60	5.20	4.76	7.41	9.00	50

Image 3.1: The CWR1522 tool alongside the included aluminum double ferrules.

4. PRODUCT FEATURES

The iCRIMP CWR1522 tool is engineered for efficiency and durability:

- **151-Piece Tool Set:** Includes the CWR1522 crimper and 150 aluminum double ferrules for various applications.

- **Solid Construction:** Made from high-quality Cr-MO steel with superior corrosion resistance. Connection joints are processed with sheet metal for enhanced strength and force transmission.
- **Precision Jaws:** Two-piece jaw processed with wire cutting ensures accuracy and phenomenal tolerance when closed.
- **Multifunctional:** Features an integrated cutting blade capable of cutting wire rope up to 2.2mm in seconds.
- **Humanized Design:** Equipped with a ratcheting mechanism for efficient crimping and ergonomic sure-grip handles for comfortable operation.



Image 4.1: Compact and ergonomic design for single-hand operation.



WELL POLISHED WIRE EDM CUTTING JAW

Ensure great crimps and avoids getting stuck

SHARP SHEAR

With high hardness and good abrasion resistance



SHEET METAL PROCESSING

Provides high strength improves the crimper's ruggedness



ERGONOMIC SURE-GRIP

Made of TPR brings comfortable operation experience



Image 4.2: Close-up of tool features including polished jaw, sharp shear, and ergonomic grip.



Image 4.3: The ratcheting mechanism ensures a complete crimp before release.

5. SETUP

Before using your iCRIMP CWR1522 tool, ensure you are familiar with its components and functions.

1. **Unpack:** Carefully remove the crimping tool and ferrules from their packaging.
2. **Inspect:** Check the tool for any signs of shipping damage or manufacturing defects. Ensure the jaws open and close smoothly.
3. **Familiarize:** Identify the crimping slots and the integrated cutting blade. Note the ratcheting mechanism.

6. OPERATING INSTRUCTIONS

6.1. Crimping Wire Rope Ferrules

The CWR1522 is designed to crimp aluminum double ferrules onto wire rope.

1. **Select Ferrule and Wire:** Choose the appropriate size aluminum double ferrule for your wire rope diameter. Ensure the wire rope fits snugly into the ferrule.
2. **Position Wire:** Thread the wire rope through the ferrule to form a loop or secure two wire ends.
3. **Choose Crimping Slot:** Refer to the markings on the tool's jaws to select the correct crimping slot for your ferrule size. The tool supports crimping for wire diameters from 0.1mm to 2.0mm.
4. **Insert Ferrule:** Place the ferrule into the chosen crimping slot.
5. **Crimp:** Squeeze the handles firmly and completely until the ratcheting mechanism releases. This ensures a full and secure crimp.
6. **Inspect:** After crimping, visually inspect the ferrule to ensure it is securely compressed and the wire rope is firmly held.

6.2. Cutting Wire Rope

The integrated cutting blade allows for clean cuts of wire rope up to 2.2mm.

1. **Position Wire:** Place the wire rope into the cutting section of the tool's jaws.
2. **Cut:** Squeeze the handles firmly and steadily to cut the wire rope. The sharp shear ensures a smooth cut.



Image 6.1: Diagram showing the crimping range for various wire diameters and the maximum cutting range

capacity.



CUT

the stainless steel wire rope smoothly with small squeeze in seconds

CRIMP

oval sleeves and stop sleeves made from aluminum easily



Image 6.2: Visual guide for cutting wire rope and crimping oval sleeves.

7. MAINTENANCE

Proper maintenance ensures the longevity and performance of your tool.

- **Cleaning:** After each use, wipe down the tool with a clean, dry cloth to remove any debris or residue.
- **Lubrication:** Periodically apply a light machine oil to the pivot points and jaws to ensure smooth operation and prevent rust.
- **Storage:** Store the tool in its original case or a suitable dry environment to protect it from moisture and impact.
- **Inspection:** Regularly check the jaws and cutting blade for wear or damage. Replace the tool if significant wear or damage is observed.

8. TROUBLESHOOTING

If you encounter issues with your iCRIMP CWR1522 tool, refer to the following common problems and solutions:

- **Poor Crimp Quality:**

Possible Cause: Incorrect ferrule size for wire rope, improper placement in crimping slot, or incomplete squeeze.

Solution: Ensure ferrule matches wire diameter, place ferrule centrally in the correct slot, and squeeze handles completely until the ratcheting mechanism releases.

- **Difficulty Cutting Wire Rope:**

Possible Cause: Wire rope diameter exceeds tool's capacity, or blade is dull.

Solution: Ensure wire diameter is within 2.2mm. If the blade is dull, the tool may need replacement or professional sharpening (if applicable).

- **Tool Jaws Sticking:**

Possible Cause: Debris in jaws, lack of lubrication, or rust.

Solution: Clean jaws thoroughly and apply a light lubricant to pivot points and jaw surfaces.

- **Ratcheting Mechanism Not Releasing:**

Possible Cause: Incomplete squeeze or internal mechanism issue.

Solution: Ensure handles are squeezed fully until the mechanism clicks and releases. If the issue persists, contact customer support.

9. SPECIFICATIONS

Technical specifications for the iCRIMP CWR1522 Wire Rope Crimping Tool:

Parameter	Value
Manufacturer	IWISS TOOLS
Part Number	CWR1522 Set
Color	Silver
Style	CWR1522 Set
Material	Carbon Steel (Cr-MO)
Handle Material	Thermoplastic Elastomer (TPE) or Nylon
Application	Construction, Home Improvement, DIY Projects, Professional Use
Length	6.89 inches (175 mm)
Width	6.8 inches (173 mm)
Product Dimensions	17.27 x 17.27 x 0.1 cm; 410 g
Jaw Thickness	0.20 inches (5.0 mm)
Cutting Capacity	Up to 2.2 mm wire rope
Crimping Range	0.1-0.5mm, 0.5-1.0mm, 1.0-2.0mm wire diameter
Grip Type	Ergonomic

PARAMETERS

Length

6.89inch/175mm

Weight

0.60lb/0.27Kg

Jaw Thickness

0.20inch/5.0mm

Application

Sleeves made of aluminum



Image 9.1: Key physical parameters of the iCRIMP CWR1522 tool.

10. WARRANTY INFORMATION

iCRIMP products are manufactured to high-quality standards. For specific warranty details, please refer to the warranty card included with your product or visit the official iCRIMP website. Keep your purchase receipt as proof of purchase for any warranty claims.

11. SUPPORT

For technical assistance, product inquiries, or to report any issues, please contact iCRIMP customer support through the contact information provided on the official iCRIMP website or through your retailer.



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