

iCrimp CWR60

iCrimp Ratchet Wire Rope Cutter CWR60 Instruction Manual

Model: CWR60

1. PRODUCT OVERVIEW

The iCrimp Ratchet Wire Rope Cutter CWR60 is a robust tool designed for efficient and clean cutting of various types of wires and cables. Its ratchet mechanism reduces effort, and the high-quality blade ensures precise cuts without fraying.

Key Features

- **High-Quality Blade:** Cutting edge hardness of HRC61, made from German special steel for durability.
- **Ratchet Mechanism:** Energy-saving design for reduced effort during cutting.
- **Precise Cuts:** Designed to provide clean cuts on wire ropes, piano wire, bicycle outer and inner cables, and multi-core/single-core cables.
- **Adjustable:** Fine adjustment of crimp height is possible by turning the front bolt with a wrench.
- **Ergonomic Design:** Features a soft-grip handle made of thermoplastic elastomer (TPE) for comfortable use.



PARAMETERS

Model
CWR60

MAX Cutting Diameter
1/4 inch / 6.0mm

Cutting edge hardness:
68HRC

Length
9.13 inch / 232mm

Weight
0.97lb / 0.44Kg



Image 1.1: iCrimp CWR60 Ratchet Wire Rope Cutter and its key parameters.

Product Specifications

Specification	Detail
Model	CWR60
Overall Dimensions	232mm (Length)
Weight	440g
Max Wire Rope Cutting Diameter	Ø6.0mm (1/4 inch)
Max Steel Wire Cutting Diameter	Ø2.5mm
Cutting Edge Hardness	68 HRC

Specification	Detail
Handle Material	Thermoplastic Elastomer (TPE)
Tool Body Material	High-quality Cr-MO steel

2. SAFETY INFORMATION

Always prioritize safety when using any tools. Failure to follow safety instructions can result in injury or damage to the tool.

- Always wear appropriate personal protective equipment (PPE), including safety glasses, to protect against flying debris.
- Keep hands and fingers clear of the cutting blades during operation.
- Do not attempt to cut materials exceeding the specified maximum cutting diameter (Ø6.0mm for wire rope, Ø2.5mm for steel wire).
- Do not use the tool for purposes other than cutting wires and cables.
- Ensure the tool is clean and in good working condition before each use.
- Keep out of reach of children.
- Store the tool in a dry, secure place when not in use.

3. SETUP

Unpacking

1. Carefully remove the iCrimp CWR60 Ratchet Wire Rope Cutter from its packaging.
2. Inspect the tool for any signs of damage that may have occurred during shipping.

Initial Inspection

- Check that the cutting blades are sharp and free from nicks or damage.
- Ensure the ratchet mechanism operates smoothly.
- Verify that the handles provide a secure grip.



SHARP BLADE

- Additionally induction hardened
- Good abrasion resistance

Image 3.1: Inspecting the sharp, induction-hardened blades for optimal performance.

4. OPERATION

Cutting Capacity

The CWR60 is designed to cut:

- Wire Rope: Up to Ø6.0mm
- Piano Wire: Up to Ø2.5mm
- Copper Cable: Up to Ø6.0mm
- Iron Wire: Up to Ø2.5mm

Do not exceed these capacities to prevent damage to the tool or injury.

Using the Cutter

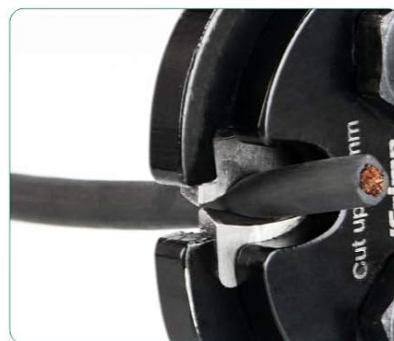
1. **Open the Handles:** Squeeze the handles together slightly and then release to open the blades.
2. **Position the Wire:** Place the wire or cable to be cut between the open blades, ensuring it is seated firmly at the base of the cutting jaws.
3. **Engage Ratchet:** Begin squeezing the handles. The ratchet mechanism will engage, allowing you to apply pressure incrementally.
4. **Cut the Wire:** Continue squeezing the handles until the wire is completely cut. The ratchet will hold the tension, allowing you to reposition your grip if needed.
5. **Release:** Once the cut is complete, fully squeeze the handles together to automatically release the ratchet and open the blades.



**CLEAN AND
PRECISE
CUT, NO FRAYS.**



PIANO WIRE



COPPER CABLE



IRON WIRE

Image 4.1: Demonstrating a clean and precise cut with no fraying on various wire types.

Ratchet Mechanism

The integrated ratchet mechanism allows for easy, single-handed operation and significantly reduces the force required to cut tough materials. The tool will lock when the handles are gently closed and will automatically release when fully squeezed after a cut.



RATCHET MECHANISM

- The tool will release automatically when you fully squeeze the handles



- The tool will stay lock when close the handles gently

Image 4.2: Visual representation of the ratchet mechanism and its operation.



Image 4.3: The lightweight and portable design of the CWR60 makes it easy to carry.

5. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your iCrimp CWR60 cutter.

Cleaning

- After each use, wipe down the blades and tool body with a clean, dry cloth to remove any debris, dust, or moisture.
- For stubborn grime, use a mild detergent solution and dry thoroughly immediately.

Lubrication

- Periodically apply a small amount of light machine oil to the pivot points and the ratchet mechanism to ensure smooth operation.
- Wipe off any excess oil.

Storage

- Store the cutter in a dry environment to prevent rust.
- Keep the blades closed when storing to protect the cutting edges.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your iCrimp CWR60 cutter.

Problem	Possible Cause	Solution
Cutter not making a clean cut / Fraying	Dull or damaged blades; attempting to cut material beyond capacity.	Inspect blades for damage. Ensure material is within specified cutting limits. Replace tool if blades are severely damaged.
Ratchet mechanism is stiff or jammed	Lack of lubrication; debris in mechanism.	Clean the mechanism and apply light machine oil to pivot points. Operate the handles several times to distribute the lubricant.
Difficulty closing handles after a cut	Ratchet not fully released.	Ensure handles are fully squeezed together to trigger the automatic release mechanism.

7. WARRANTY INFORMATION

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

8. CUSTOMER SUPPORT

If you have any questions, require technical assistance, or need to report an issue with your iCrimp CWR60 Ratchet Wire Rope Cutter, please contact iCrimp customer support through the retailer where you purchased the product or visit the official IWISS website for contact information.

Online Resources:

- Official IWISS Website: www.iwiss.com
- Amazon Store Page: [iCrimp Amazon Store](#)

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