

## CCLIFE 5702

# CCLIFE 12-Piece Metric Ratchet Wrench Set (8-19mm) User Manual

Model: 5702 | Brand: CCLIFE

[Introduction](#)

[Product Overview](#)

[Safety Information](#)

[Setup](#)

[Operating Instructions](#)

[Maintenance](#)

[Troubleshooting](#)

[Specifications](#)

[Warranty & Support](#)

## 1. INTRODUCTION

This user manual provides essential information for the safe and effective use of your CCLIFE 12-Piece Metric Ratchet Wrench Set. Please read this manual thoroughly before using the tools and retain it for future reference. Proper understanding and adherence to these instructions will ensure optimal performance and longevity of your wrench set.

## 2. PRODUCT OVERVIEW

The CCLIFE 12-Piece Metric Ratchet Wrench Set is designed for various fastening tasks, offering convenience and durability. Each wrench features a combination of an open end and a 72-tooth ratchet box end, providing versatility and ease of use in confined spaces.

### 2.1. Package Contents

- 12 x Metric Ratchet Wrenches in sizes: 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm.
- 1 x Roll-up Storage Bag (for convenient organization and transport).

### 2.2. Key Features

- **High-Quality Material:** Forged from durable Chrome-Vanadium (Cr-V) steel for strength and longevity.
- **Corrosion Protection:** Polished surface finish provides resistance against rust and corrosion.
- **72-Tooth Ratchet Mechanism:** Allows for a small 5-degree turn arc, ideal for working in tight spaces.
- **Dual-End Design:** Features an open end for initial loosening/tightening and a 12-point ratchet box end for

continuous rotation.



Figure 1: CCLIFE 12-piece metric ratchet wrench set, displaying all 12 wrenches from 8mm to 19mm.

# 12pcs ratchet wrench set



8mm,9mm,10mm,11mm,12mm,13mm,  
14mm,15mm,16mm,17mm,18mm,19mm

**12 METRIC**

Figure 2: The CCLIFE 12-piece ratchet wrench set neatly organized in its roll-up storage bag.

### 3. SAFETY INFORMATION

Always observe the following safety precautions when using hand tools:

- **Wear Eye Protection:** Always wear safety glasses or goggles to protect your eyes from flying debris.
- **Use Correct Size:** Select the correct wrench size for the fastener to prevent rounding off the fastener head and potential injury.
- **Inspect Tools:** Before each use, inspect wrenches for any signs of damage, cracks, or wear. Do not use damaged tools.
- **Maintain Grip:** Ensure a firm grip on the wrench to prevent slipping.
- **Avoid Over-Torquing:** Do not use extension pipes or other devices to increase leverage beyond the wrench's intended design, as this can damage the tool or fastener.
- **Keep Clean:** Keep wrenches clean and free of grease or oil to maintain a secure grip.
- **Store Safely:** Store tools in a dry, secure place, out of reach of children.

### 4. SETUP

Your CCLIFE Ratchet Wrench Set requires minimal setup:

1. **Unpack:** Carefully remove the wrench set from its packaging.
2. **Inspect:** Check all 12 wrenches for any manufacturing defects or shipping damage. If any issues are found, contact customer support.
3. **Organize:** The included roll-up bag is designed to keep your wrenches organized and easily accessible. Place each wrench in its designated slot.

## 5. OPERATING INSTRUCTIONS

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Follow these steps for effective use of your ratchet wrenches:

1. **Select Correct Size:** Identify the correct metric size (8mm to 19mm) that matches your fastener. Using the wrong size can damage both the wrench and the fastener.
2. **Open End Use:** For initial loosening or final tightening of stubborn fasteners, use the open end of the wrench. Ensure the wrench jaws fully engage the fastener head.
3. **Ratchet Box End Use:** For faster, continuous turning, use the 12-point ratchet box end. Place the box end over the fastener. The 72-tooth mechanism allows for small movements (5-degree turns) to tighten or loosen in confined spaces without removing the wrench from the fastener.
4. **Direction:** The ratchet mechanism is reversible. To change the direction of rotation (tighten or loosen), locate the small lever or switch on the ratchet head and flip it accordingly.
5. **Apply Force:** Apply steady, even pressure to the wrench handle. Avoid sudden jerking motions.

### 5.1. Applications

This wrench set is suitable for a wide range of tasks, including:

- Automotive maintenance and repair.
- Bicycle assembly and repair.
- General household repairs and DIY projects.
- Machine assembly and maintenance.

# PRECISION RATCHET 72 TEETH DESIGN

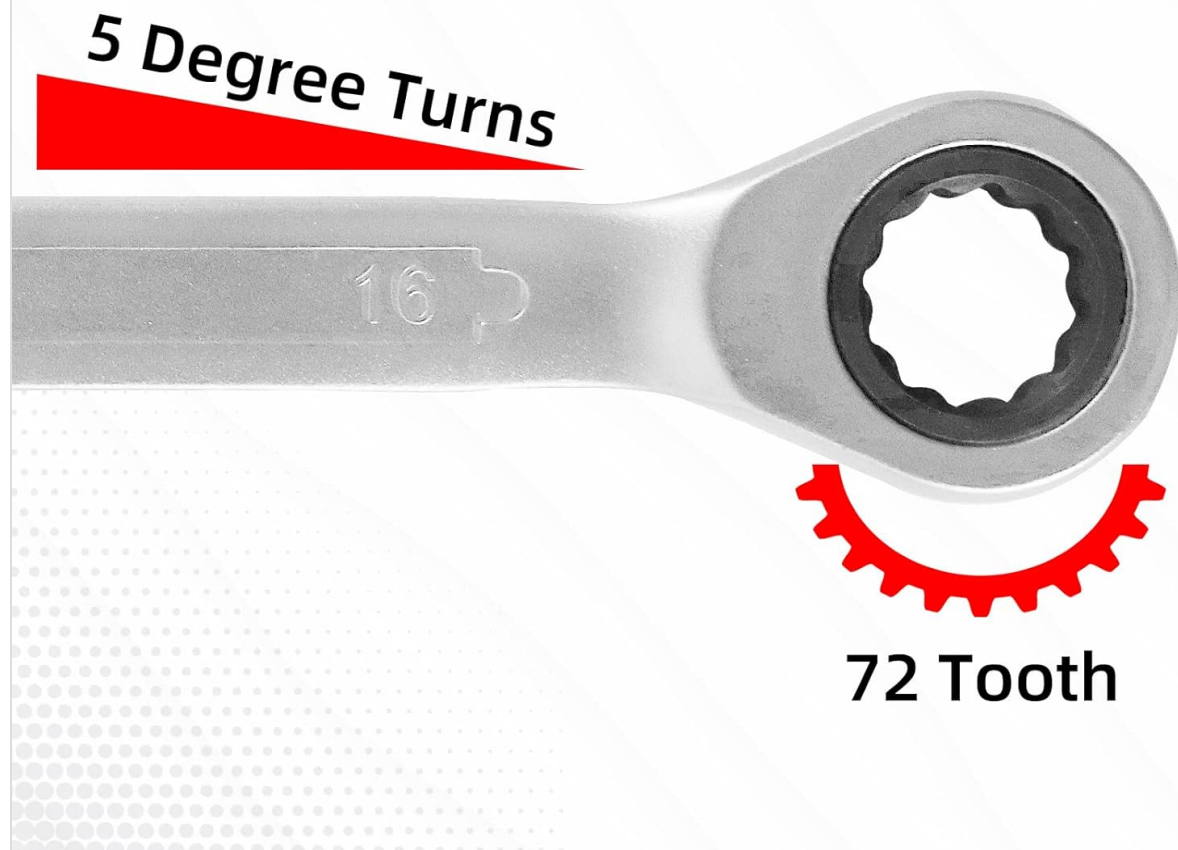


Figure 3: Close-up of a ratchet wrench head, illustrating the 72-tooth mechanism and the 5-degree turn arc for efficient operation.

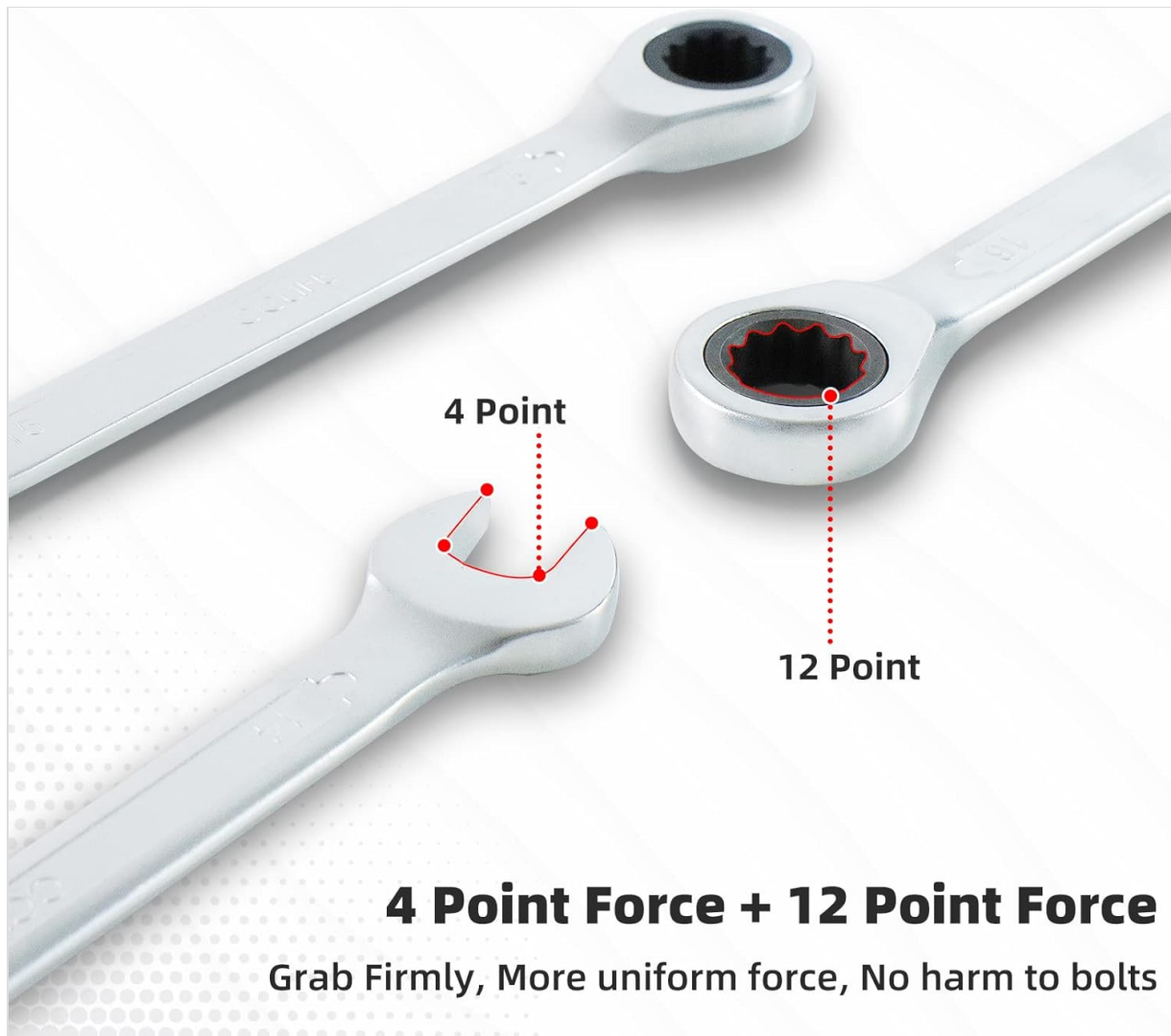


Figure 4: Diagram showing the 4-point open end and 12-point box end of the wrench, designed for firm grip and uniform force distribution.

## 6. MAINTENANCE

Proper maintenance ensures the longevity and performance of your tools:

- **Cleaning:** After each use, wipe down the wrenches with a clean, dry cloth to remove dirt, grease, and moisture. For stubborn grime, a mild degreaser can be used, followed by thorough drying.
- **Lubrication:** Periodically apply a light coat of machine oil to the ratchet mechanism to ensure smooth operation. Avoid excessive lubrication, which can attract dirt.
- **Storage:** Store the wrenches in the provided roll-up bag in a dry environment to prevent rust and corrosion. Avoid storing them in damp or humid conditions.
- **Inspection:** Regularly inspect the wrenches for any signs of wear, especially on the ratchet teeth and open-end jaws. Replace any severely worn or damaged tools.



Figure 5: Detail of a CCLIFE wrench, highlighting its construction from high-quality chrome-vanadium steel and polished anti-corrosion finish.

## 7. TROUBLESHOOTING

If you encounter issues with your wrench set, consider the following:

- **Wrench Slipping:**
  - Ensure you are using the correct size wrench for the fastener.
  - Check if the fastener head is rounded or damaged.
  - Verify the wrench jaws or box end are fully engaged.
- **Ratchet Mechanism Not Engaging:**
  - Check the direction switch on the ratchet head; ensure it is fully engaged in either tightening or loosening position.
  - Clean the ratchet mechanism if it appears clogged with dirt or debris.
  - Apply a small amount of lubricant if the mechanism feels stiff.
- **Rust or Corrosion:**
  - Clean the affected area with a rust remover and then apply a protective oil.
  - Ensure tools are stored in a dry environment after use.

If problems persist, contact CCLIFE customer support or refer to the product's purchase platform for assistance.

## 8. SPECIFICATIONS

<b>Brand</b>	CCLIFE
<b>Model Number</b>	5702
<b>Material</b>	Chrome-Vanadium Steel (Cr-V)
<b>Finish Type</b>	Chrome, Polished
<b>Wrench Sizes</b>	8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm
<b>Ratchet Teeth</b>	72 Teeth
<b>Turn Arc</b>	5 Degrees
<b>Head Style</b>	Open End, 12-Point Box End
<b>Country of Origin</b>	China
<b>Components Included</b>	12 Ratchet Wrenches

## 9. WARRANTY AND SUPPORT

**Return Policy:** This product is subject to the return policy of the retailer from which it was purchased. Please refer to your purchase receipt or the retailer's website for specific details regarding returns and exchanges. For purchases made on Amazon, a 30-day return period typically applies.

**Manufacturer Support:** For any product-related inquiries, technical assistance, or concerns not covered in this manual, please visit the official CCLIFE brand store or contact their customer service directly. You can find more information and contact details on the [CCLIFE Brand Store on Amazon](#).