

## CRAFTZONE CZ2050

# CRAFTZONE 7-in-1 Ratcheting Open Flex-Head Wrench Set Instruction Manual

Model: CZ2050

## 1. INTRODUCTION

This manual provides essential information for the safe and effective use of your CRAFTZONE 7-in-1 Ratcheting Open Flex-Head Wrench Set. Please read these instructions carefully before operating the tool and retain them for future reference. This set is designed for various fastening tasks, offering versatility with its interchangeable metric heads and ratcheting mechanism.

## 2. PRODUCT COMPONENTS

Your CRAFTZONE 7-in-1 Ratcheting Open Flex-Head Wrench Set includes the following items:

- One (1) 14mm Double-End Open-End Ratcheting Tubing Wrench (main handle)
- Six (6) Interchangeable Flare Nut Heads: 8mm, 9mm, 10mm, 11mm, 12mm, 13mm
- One (1) Durable Blow-Molded Storage Case

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## 7-PIECE SET

### RATCHET FLARE NUT WRENCH SET



- Flexible flare nut ratchet wrench
- 7 interchangeable socket sizes



**7**  
SIZES

8mm

9mm

10mm

11mm

12mm

13mm

14mm



72-Tooth  
Ratcheting System



Flexible Head  
Maximum Access



Chrome Vanadium  
Durable & Reliable

**Figure 2.1:** Complete 7-Piece Ratchet Flare Nut Wrench Set, including the main wrench, six interchangeable heads (8mm, 9mm, 10mm, 11mm, 12mm, 13mm), and a storage case.

### 3. KEY FEATURES

- **7-in-1 Versatility:** The set includes a 14mm main wrench and six interchangeable heads (8mm, 9mm, 10mm, 11mm, 12mm, 13mm), allowing you to handle multiple metric nut sizes with a single tool.
- **Open-End Design with Flex-Head:** One end of the main wrench features a standard open-end, while the other combines an open jaw with a 180° flexible ratcheting head. This design provides flexibility for both straight-line tightening and access in tight, awkward spaces.
- **72-Tooth Precision Ratchet:** The fine 72-tooth ratcheting mechanism requires only a 5° swing arc to engage, enabling smooth operation in extremely confined areas such as engine bays or pipe gaps.
- **Premium CR-V Steel Construction:** Forged from high-grade Chrome Vanadium (Cr-V) steel, ensuring outstanding strength, durability, and reliable torque delivery.
- **Corrosion-Resistant Finish:** The wrench features a mirror-polished, corrosion-resistant coating to protect against rust and extend tool life.

- **Organized Storage:** Comes with a durable blow-molded storage case with dedicated slots for each component, preventing loss and facilitating easy portability.

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## Ratcheting Ring Access Tight Spaces



Ratcheting  
Mechanism



Interchangeable  
Flare Nut Rings



Access  
Tight Spaces



### RATCHETING RING

Smooth ratcheting action  
allows efficient turning in  
confined areas.



### 180° Pivoting Head

For greater access  
and flexibility

**Ratcheting Ring**  
Provides smooth  
operation in  
tight spaces



8mm



9mm



10mm



11mm



12mm



13mm



14mm

### EASY TO SWITCH

Change ring sizes in seconds  
to fit your needs



Open



Remove



Select Size



Snap In



Close & Use

**Figure 3.1:** The ratcheting ring and 180° flex-head design, illustrating how interchangeable heads are attached and detached for different sizes.

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## Chrome Plated

## Drop- Forged



CR-V STEEL



DURABLE



PRECISION



Figure 3.2: Detail of the chrome-plated, drop-forged Chrome Vanadium Steel construction, highlighting durability.

#### 4. SETUP AND ASSEMBLY

The CRAFTZONE 7-in-1 Ratcheting Open Flex-Head Wrench Set is designed for quick and easy setup.

1. **Select the Correct Head:** Identify the appropriate metric size (8mm, 9mm, 10mm, 11mm, 12mm, or 13mm) required for your fastener.
2. **Attach the Head:** Align the chosen interchangeable head with the ratcheting end of the main 14mm wrench. Gently push and snap the head into place until it is securely seated. Ensure it is fully engaged and does not wobble.
3. **Verify Connection:** Before applying torque, lightly pull on the attached head to confirm it is firmly connected to the wrench.

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## Polished + Matte Finish Enhanced Grip



Figure 4.1: Steps for changing interchangeable flare nut rings on the ratcheting wrench.

## 5. OPERATING INSTRUCTIONS

Follow these steps for effective use of your ratcheting wrench set:

1. **Preparation:** Ensure the correct size interchangeable head is securely attached to the ratcheting end of the wrench, or use the fixed 14mm open end as needed.
2. **Positioning:** Place the wrench head onto the fastener (nut or bolt). For the ratcheting end, ensure the head fully grips the fastener.
3. **Applying Torque:**
  - **Ratcheting Action:** To tighten, push the wrench in the clockwise direction. To loosen, pull the wrench in the counter-clockwise direction. The 72-tooth mechanism allows for small movements (5° arc) to engage the fastener, ideal for tight spaces.
  - **Flex-Head Function:** Utilize the 180° flexible head to maneuver the wrench into awkward angles or around obstructions. Adjust the head angle as necessary to achieve optimal leverage and access.
  - **Open-End Use:** For initial breaking loose or final tightening where ratcheting is not required, use the fixed open-end of the wrench.

4. **Safety:** Always maintain a firm grip on the wrench. Avoid using excessive force that could cause the wrench to slip or damage the fastener.

5. **Completion:** Once the task is complete, remove the wrench from the fastener.

## 6. MAINTENANCE

Proper maintenance will extend the life and performance of your CRAFTZONE wrench set.

- **Cleaning:** After each use, wipe down the wrenches and interchangeable heads with a clean, dry cloth to remove dirt, grease, and debris. For stubborn grime, a mild degreaser can be used, followed by thorough drying.
- **Corrosion Protection:** The mirror-polished, corrosion-resistant coating helps prevent rust. However, for prolonged storage in humid environments, a light coat of rust-preventative oil can be applied.
- **Storage:** Always store the wrench set in its original blow-molded case. The dedicated slots keep each component organized and protected from damage and loss. Store in a dry place away from direct sunlight and extreme temperatures.
- **Inspection:** Periodically inspect the wrench and heads for any signs of wear, damage, or deformation. Do not use damaged tools; replace them if necessary.

## 7. TROUBLESHOOTING

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

- **Wrench Slipping:** Ensure the correct size head is used for the fastener. Make sure the head is fully engaged and not worn. Avoid using excessive force.
- **Difficulty Attaching/Detaching Heads:** Ensure the mechanism is clean and free of debris. Apply gentle, firm pressure when attaching or detaching. Do not force.
- **Ratcheting Mechanism Not Engaging:** Check for debris or damage within the ratcheting mechanism. If the issue persists, the tool may require professional inspection or replacement.

For further assistance, please contact CRAFTZONE customer support.

## 8. SPECIFICATIONS

| Attribute            | Specification                                                              |
|----------------------|----------------------------------------------------------------------------|
| Model Number         | CZ2050                                                                     |
| Set Name             | 7PC Ratchet Flare Nut Wrench Set                                           |
| Included Components  | 1PC: Flexible Flare Nut Wrench (14mm), 6PCS Socket: 8, 9, 10, 11, 12, 13mm |
| Measurement Standard | Metric                                                                     |
| Material             | Chrome Vanadium Steel                                                      |
| Finish Types         | Polished (Corrosion Resistant)                                             |

|                      |                 |
|----------------------|-----------------|
| Ratcheting Mechanism | 72-Tooth Gear   |
| Swing Arc            | 5°              |
| Head Style           | Open Flex-Head  |
| Item Torque          | 150 Inch Pounds |
| Color                | Matte Finish    |

### 9. 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.
- **Inspect Tools:** Before each use, inspect the wrench and heads for cracks, chips, or any other damage. Do not use damaged tools.
- **Use Correct Size:** Always use the correct size wrench head for the fastener to prevent rounding the fastener or slipping.
- **Maintain Grip:** Ensure a firm grip on the wrench. Avoid oily or greasy hands.
- **Avoid Over-Torquing:** Do not use extension pipes or 'cheater bars' on wrenches, as this can damage the tool or fastener and cause injury.
- **Keep Work Area Clear:** Ensure your work area is well-lit and free of clutter to prevent accidents.
- **Store Safely:** Store tools in their case in a secure, dry place out of reach of children.

### 10. WARRANTY AND SUPPORT

For warranty information or technical support regarding your CRAFTZONE 7-in-1 Ratcheting Open Flex-Head Wrench Set (Model CZ2050), please refer to the product packaging or contact CRAFTZONE customer service directly. Keep your purchase receipt as proof of purchase.

**CRAFTZONE Customer Support:** Please visit the official CRAFTZONE website or refer to the contact information provided with your product for assistance.

### 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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

### 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