

WORKPRO W031503

WORKPRO Mini Pliers Wrench (Model W031503)

Instruction Manual

1. INTRODUCTION

The WORKPRO Mini Pliers Wrench, Model W031503, is a compact and versatile hand tool designed for precision tasks and use in tight spaces. Its unique design combines the functionality of pliers and a wrench, offering efficient operation without damaging workpieces.

Key Features:

- **Compact Size:** At just 4 inches, it delivers powerful gripping performance in a compact design, ideal for precision tasks and confined areas.
- **Parallel Smooth Jaws:** Designed to apply even pressure across flat surfaces, preventing rounding or scratching of delicate components and finished fittings.
- **Fast Adjustment:** Features a quick adjustment mechanism for easy size changes, serving as a versatile alternative to multiple wrenches.
- **High-Toughness Alloy Steel:** Constructed from heat-treated alloy steel for enhanced durability, corrosion resistance, and an anti-rust coating.
- **Multi-Purpose:** Suitable for everyday carry (EDC), bike maintenance, small plumbing tasks, electronics work, and general home repairs.

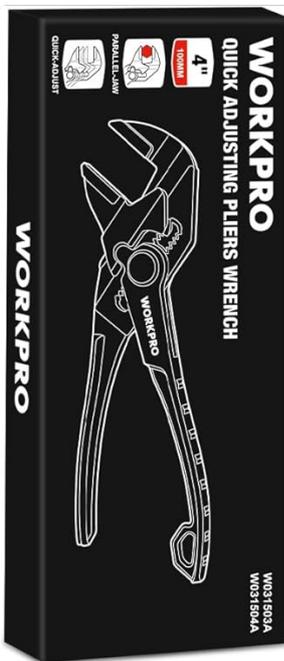


Figure 1: The WORKPRO Mini Pliers Wrench (Model W031503).

This manual provides essential information for the safe and effective use, maintenance, and troubleshooting of your WORKPRO Mini Pliers Wrench.

2. SAFETY INFORMATION

Always observe basic safety precautions when using any hand tool to reduce the risk of injury. Read and understand all instructions before operation.

General Safety Guidelines:

- **Wear Eye Protection:** Always wear ANSI-approved safety goggles or safety glasses with side shields.
- **Inspect Tool Before Use:** Check for any damage, wear, or loose parts. Do not use a damaged tool.
- **Use the Correct Tool:** Select the appropriate size and type of tool for the task.
- **Keep Work Area Clean:** Ensure your workspace is well-lit and free from clutter.

- **Maintain a Secure Grip:** Always hold the tool firmly to prevent slipping.
- **Avoid Over-tightening:** Do not apply excessive force that could damage the workpiece or the tool.
- **Store Safely:** Keep tools out of reach of children and in a dry, secure location.

3. COMPONENTS

The WORKPRO Mini Pliers Wrench consists of the following primary components:

- **Parallel Jaws:** Smooth, flat gripping surfaces designed to prevent damage to fasteners.
- **Adjustment Button:** A blue button located on the side for quick and easy jaw width adjustment.
- **Handle:** Ergonomically designed for comfortable grip and leverage.
- **Ratchet Mechanism:** Allows for continuous tightening or loosening without repositioning the tool.
- **Lanyard Hole:** Located at the end of the handle for attaching a lanyard or keychain for easy access and storage.

SIZE & WEIGHT

0.15 lbs

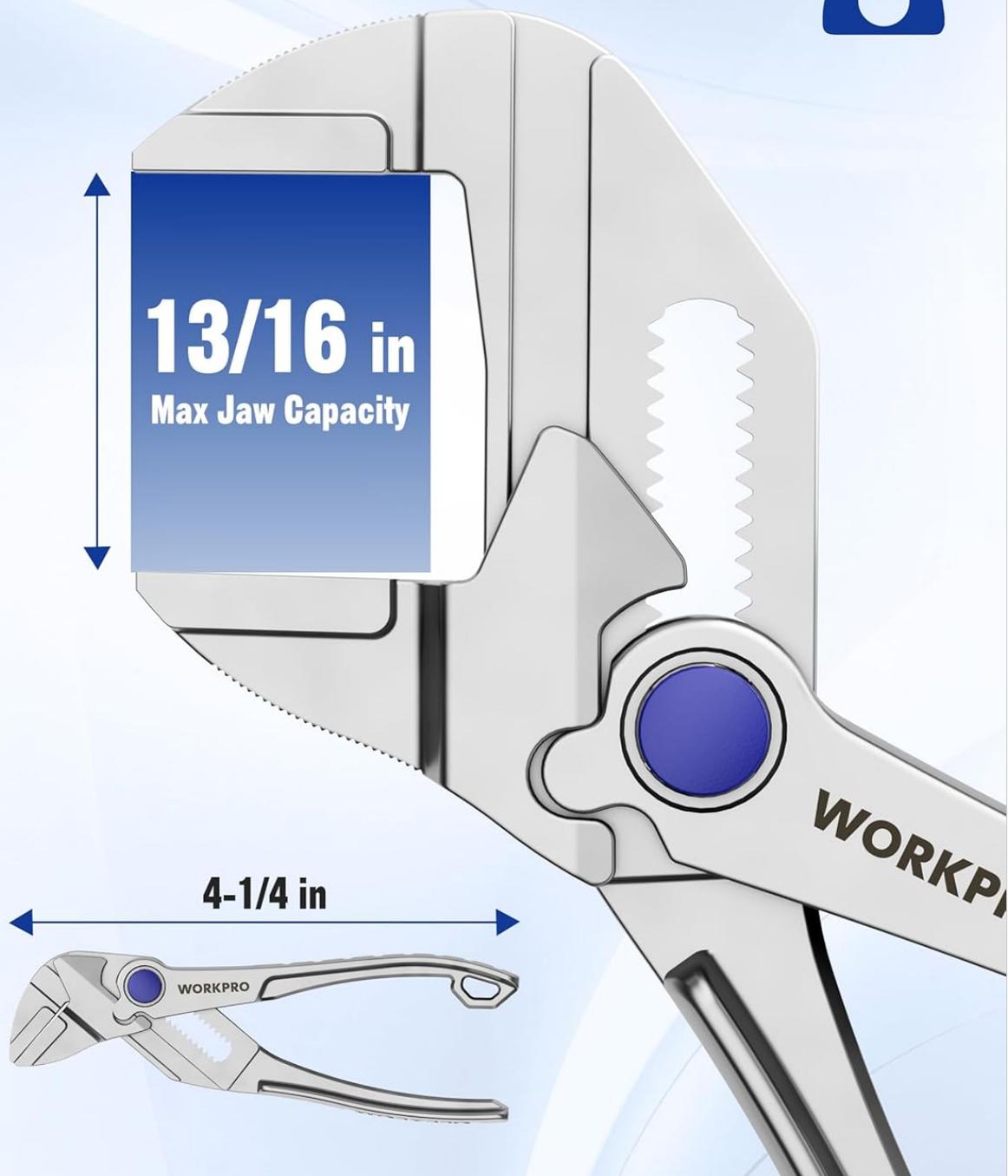


Figure 2: Size and maximum jaw capacity (13/16 inch) of the pliers wrench.

4. SETUP AND ADJUSTMENT

The WORKPRO Mini Pliers Wrench features a quick adjustment system for efficient operation.

Adjusting Jaw Width:

1. **Press the Button:** Locate the blue adjustment button on the side of the pliers wrench. Press and hold this

button.

2. **Slide the Jaw:** While holding the button, slide the movable jaw to the desired opening width. The tool offers 14 distinct adjustment positions.
3. **Release the Button:** Release the button to lock the jaw in place. Ensure the jaw is securely locked before applying force.

QUICK ADJUSTMENT

14 Positions

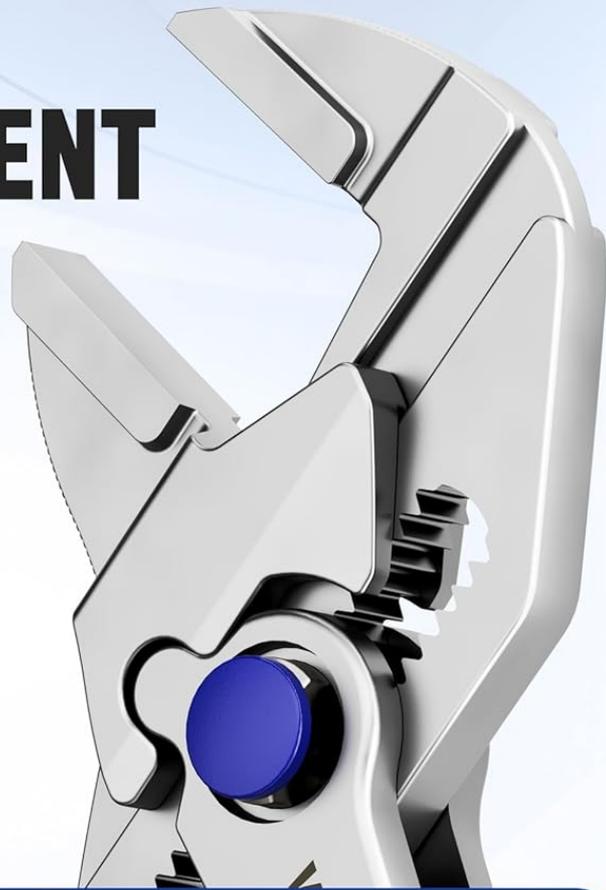


Figure 3: Quick adjustment steps: Push, Move, Release.

5. OPERATING INSTRUCTIONS

The WORKPRO Mini Pliers Wrench is designed for gripping, holding, pressing, and bending applications, particularly where surface protection is critical.

Using the Pliers Wrench:

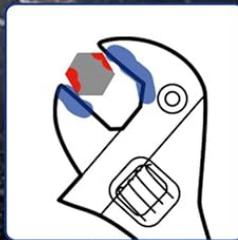
1. **Select Jaw Opening:** Adjust the jaw width to fit the workpiece snugly, as described in Section 4.
2. **Position the Jaws:** Place the parallel smooth jaws around the fastener or workpiece. Ensure full contact with the flat surfaces to maximize grip and prevent damage.
3. **Apply Pressure:** Squeeze the handles firmly to engage the ratchet mechanism. The parallel jaws will maintain even pressure.
4. **Tighten or Loosen:** Use the ratchet action to continuously tighten or loosen the fastener without needing to remove and reposition the tool.

PARALLEL SMOOTH JAWS

- Even pressure on flat surfaces
- No rounding, no damage



No damage to edges



Edge pressure causes surface damage

Figure 4: Parallel smooth jaws ensure no surface damage.



RATCHET ACTION

- **No repositioning needed**
- **Continuous tightening in one motion**

Figure 5: Ratchet action allows continuous tightening without repositioning.

Applications:

This tool is particularly effective for:

- Working on chrome-plated or delicate fittings without marring.
- Accessing fasteners in confined or hard-to-reach areas.
- Automotive maintenance, plumbing, and bicycle repairs.
- General assembly and disassembly tasks requiring precise grip.

FOR TIGHT HARD-TO-REACH AREAS



Figure 6: Ideal for tight, hard-to-reach areas.



MULTIPLE APPLICATIONS



Figure 7: Multiple applications for the WORKPRO Mini Pliers Wrench.

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your WORKPRO Mini Pliers Wrench.

Cleaning and Storage:

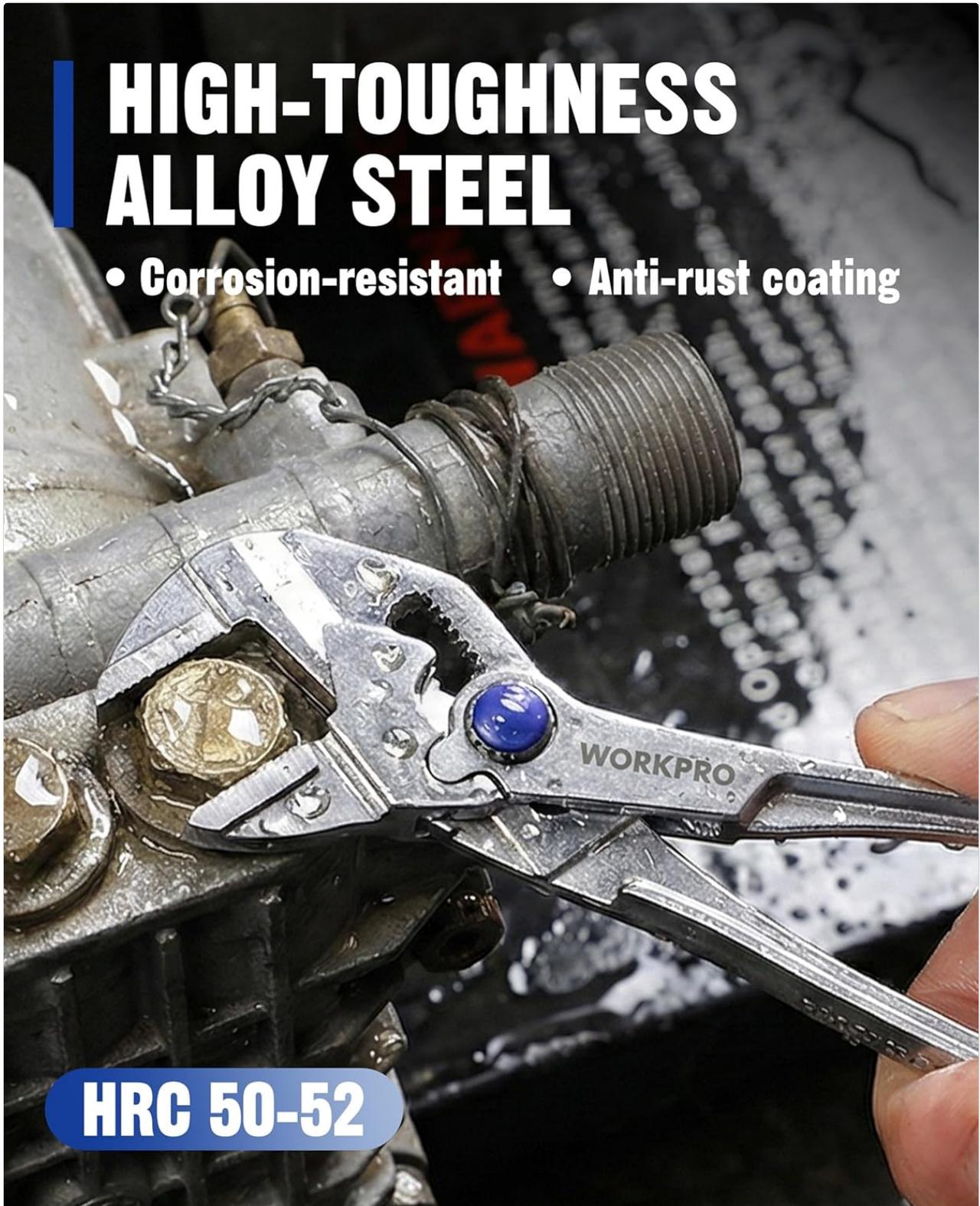
- **Clean After Use:** Wipe the pliers wrench clean with a dry cloth after each use to remove dirt, grease, and

moisture.

- **Lubrication:** Periodically apply a light coat of machine oil to the pivot points and adjustment mechanism to ensure smooth operation and prevent corrosion.
- **Anti-Rust Coating:** The tool features an anti-rust coating, but regular cleaning and lubrication will further protect it from environmental elements.
- **Storage:** Store the tool in a dry environment, away from excessive humidity or corrosive substances.

HIGH-TOUGHNESS ALLOY STEEL

- Corrosion-resistant
- Anti-rust coating



HRC 50-52

Figure 8: High-toughness alloy steel with anti-rust coating for durability.

EASY TO STORE



Figure 9: The compact design allows for easy storage and everyday carry.

7. TROUBLESHOOTING

If you encounter issues with your WORKPRO Mini Pliers Wrench, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Jaws are stiff or difficult to adjust.	Lack of lubrication, dirt accumulation.	Clean the adjustment mechanism and pivot points. Apply a light machine oil.
Tool slips on workpiece.	Incorrect jaw adjustment, excessive force, worn jaws.	Ensure jaws are adjusted snugly to the workpiece. Apply firm, even pressure. If jaws are worn, consider replacement.
Rust or corrosion appears.	Exposure to moisture or corrosive environments.	Clean immediately and apply anti-rust oil. Store in a dry place.

8. SPECIFICATIONS

Feature	Detail
Model Number	W031503
Item Weight	2.47 ounces
Product Dimensions	4.21 x 2 x 0.63 inches
Color	Sliver
Material	Alloy Steel
Power Source	Manual
Item Package Quantity	1
Handle Material	Alloy Steel
Usage	Twisting
Included Components	Pliers Wrench

9. WARRANTY INFORMATION

WORKPRO tools are manufactured to high-quality standards and are warranted against defects in materials and workmanship. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official WORKPRO website.

Keep your purchase receipt as proof of purchase for any warranty claims.

10. CUSTOMER SUPPORT

For further assistance, technical support, or to inquire about replacement parts, please contact WORKPRO customer service:

- **Website:** [Visit the WORKPRO Store on Amazon](#)
- **Manufacturer:** HANGZHOU GREATSTAR INDUSTRIAL CO.,LTD

Please have your product model number (W031503) and purchase information ready when contacting support.