

WORKPRO W031473

WORKPRO Mini Water Pump Pliers (Model W031473) Instruction Manual

Your guide to safe and effective use

1. PRODUCT OVERVIEW

The WORKPRO Mini Water Pump Pliers, Model W031473, is a compact and versatile hand tool designed for gripping, turning, and holding various objects. Its small size makes it ideal for working in confined spaces, while its robust construction ensures durability and reliable performance.

Key Features:

- **Compact Design:** At just 4 inches long with a slim head, these pliers offer precise control in tight or confined spaces.
- **Quick Push-Lock Adjustment:** Features a user-friendly push-button mechanism with 15 adjustable jaw positions for fast and secure size changes.
- **Secure Multi-Surface Grip:** The V-jaw design provides strong multi-point contact for a firm hold on round, flat, square, or hex-shaped objects.
- **Heavy-Duty & Corrosion-Resistant:** Crafted from heat-treated alloy steel (48–50 HRC) with a black phosphate finish for resistance against rust and wear.
- **Enhanced Grip & Easy Storage:** Grooved handles improve grip stability, and a built-in hanging hole offers convenient storage.



Figure 1: Overall view of the WORKPRO Mini Water Pump Pliers.

2. SETUP

The WORKPRO Mini Water Pump Pliers are ready for use directly out of the packaging. No assembly is required.

Initial Inspection:

1. Inspect the pliers for any signs of damage from shipping.
2. Ensure the jaw adjustment mechanism operates smoothly.
3. Familiarize yourself with the tool's components, including the jaws, pivot point, adjustment button, and handles.

SIZE & WEIGHT

0.15 lbs



Figure 2: Image illustrating the compact size (4-1/4 inches) and 1-inch maximum jaw capacity of the pliers.

3. OPERATING INSTRUCTIONS

These pliers are designed for secure gripping and turning tasks. Always wear appropriate personal protective equipment, such as safety glasses, when using hand tools.

Adjusting the Jaw:

1. **Push:** Locate the blue push-button on the side of the pliers. Press and hold this button.
2. **Move:** While holding the button, slide the upper jaw along the track to adjust the opening size.
3. **Release:** Release the button when the desired jaw opening is achieved. The jaw will lock into one of the 15 available positions. Ensure the jaw is securely locked before applying force.



Figure 3: Step-by-step visual guide on how to use the quick push-lock adjustment mechanism, showing push, move, and release actions for 15 jaw positions.

Gripping Various Shapes:

The V-jaw design allows for a secure grip on multiple object types:

- **Round Objects:** Position the V-jaw around pipes, rods, or bolts for a firm hold.
- **Square Objects:** The V-jaw contours to square nuts or bolts, providing multiple contact points.
- **Flat Objects:** Use the flat sections of the jaws for gripping flat materials.
- **Hex Objects:** The V-jaw effectively grips hexagonal nuts and bolts, minimizing slippage.



Figure 4: Four images demonstrating the pliers' secure grip on various shapes: round, square, flat, and hex objects.

Applications:

These pliers are suitable for a range of tasks, including plumbing, automotive repairs, and general household maintenance, especially in tight or hard-to-reach areas.



Figure 5: Pliers being used in a tight, hard-to-reach area, emphasizing its slim head design.

EVERYDAY CARRY TOOL



Figure 6: Pliers being used on a bicycle chain, demonstrating its utility as an everyday carry tool.

MULTIPLE APPLICATIONS



Figure 7: Pliers being used to adjust a component on a chair leg, showcasing its versatility for multiple applications.

4. MAINTENANCE

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

Cleaning:

- After each use, wipe the pliers clean with a dry cloth to remove dirt, grease, or debris.

- For stubborn grime, use a mild detergent and water, then dry thoroughly to prevent rust.

Lubrication:

- Periodically apply a light machine oil to the pivot point and adjustment mechanism to ensure smooth operation.
- Wipe off any excess oil.

Storage:

- Store the pliers in a dry environment to prevent corrosion.
- The built-in hanging hole allows for convenient storage on a pegboard or hook.



Figure 8: Images showing the pliers being stored, both hanging on a pegboard and carried in a pocket, illustrating its portability and easy storage.

5. TROUBLESHOOTING

If you encounter issues with your pliers, consider the following common solutions:

Jaw Adjustment is Stiff:

- **Solution:** Clean any debris from the adjustment track and apply a small amount of lubricant to the mechanism.

Operate the adjustment several times to distribute the lubricant.

Pliers Slip on Workpiece:

- **Solution:** Ensure the jaws are properly adjusted to the correct size for the workpiece. The V-jaw design provides optimal grip; confirm the workpiece is seated correctly within the jaws. Clean any oil or grease from the workpiece and pliers jaws.

Rust Appears on Pliers:

- **Solution:** Clean the rust with a wire brush or fine abrasive paper, then apply a rust-inhibiting oil. Store the pliers in a dry environment to prevent future rust.

6. SPECIFICATIONS

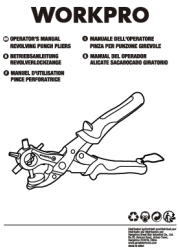



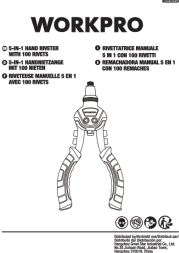
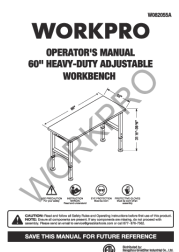
Detailed specifications for the WORKPRO Mini Water Pump Pliers (Model W031473).

Feature	Specification
Brand	WORKPRO
Model Number	W031473
Material	Alloy Steel
Color	Black
Handle Material	Alloy Steel
Item Weight	67.5 Grams (2.38 ounces)
Product Dimensions	5.31 x 2.36 x 0.63 inches
Specific Uses For Product	Twisting, Gripping, Holding
Grip Type	Grooved
Cutting Width	25 Millimeters
Jaw Positions	15
Hardness	48-50 HRC
UPC	820909614005

7. WARRANTY AND SUPPORT

For information regarding warranty coverage, product support, or to inquire about replacement parts, please contact WORKPRO customer service through their official website or the retailer where the product was purchased. Keep your proof of purchase for warranty claims.

Related Documents - W031473

	<p>WORKPRO W031111AU Revolving Punch Pliers Operator's Manual</p> <p>Official operator's manual for the WORKPRO W031111AU revolving punch pliers. Learn about features, operation, safety warnings, and maintenance for this heavy-duty tool designed for various materials.</p>
	<p>WORKPRO 2-in-1 Adjustable Wrench: Operator's Manual and Features</p> <p>Comprehensive operator's manual for the WORKPRO 2-in-1 Adjustable Wrench. Learn about its features, safe operation, and maintenance for home, garage, and professional use.</p>
	<p>WORKPRO Product Warranty Information Guide</p> <p>Comprehensive warranty details for WORKPRO tools and equipment, including coverage, exclusions, and claim procedures for hand tools, power tools, garden tools, and machinery.</p>
	<p>WORKPRO 60" Adjustable Height Work Table with Crank Handle - Operator's Manual</p> <p>Comprehensive operator's manual for the WORKPRO 60" Adjustable Height Work Table with Crank Handle (Model W082057A). Includes detailed assembly instructions, safety guidelines, operation procedures, maintenance tips, and customer support information.</p>
	<p>WORKPRO 5-in-1 Hand Riveter User Manual</p> <p>This manual provides instructions for the WORKPRO 5-in-1 Hand Riveter (W023022A), including intended use, rivet specifications, operating instructions, changing nosepieces, and head adjustment. It covers setting aluminum, steel, and stainless steel rivets with sizes ranging from 3/32-inch to 1/4-inch.</p>
	<p>WORKPRO 60" Heavy-Duty Adjustable Workbench Operator's Manual (W082055A)</p> <p>Operator's manual for the WORKPRO 60" Heavy-Duty Adjustable Workbench (Model W082055A). Includes safety information, specifications, package contents, assembly instructions, maintenance, and care guidelines.</p>

