

KNIPEX Knipex - 9K 00 80 45 US

KNIPEX Tools - 3 Piece Pliers Wrench Set Instruction Manual

Model: 9K 00 80 45 US

1. INTRODUCTION

This instruction manual provides essential information for the safe and effective use, maintenance, and care of your KNIPEX 3 Piece Pliers Wrench Set. Please read this manual thoroughly before using the tools and retain it for future reference.

2. PRODUCT OVERVIEW

The KNIPEX 3 Piece Pliers Wrench Set (Model 9K 00 80 45 US) includes three high-quality pliers wrenches designed for gripping, holding, pressing, and bending applications. These tools combine the functions of pliers and a wrench, offering a smooth, parallel gripping surface that prevents damage to sensitive components.



Figure 2.1: The complete 3-piece KNIPEX Pliers Wrench Set.

2.1 Set Components

- **6-inch Pliers Wrench:** The smallest tool in the set, ideal for fine work and tight spaces.



Figure 2.2: 6-inch Pliers Wrench.

- **7-inch Pliers Wrench:** A versatile mid-sized tool for general applications.



Figure 2.3: 7-inch Pliers Wrench.

- **10-inch Pliers Wrench:** The largest tool, providing maximum leverage for larger fasteners and components.

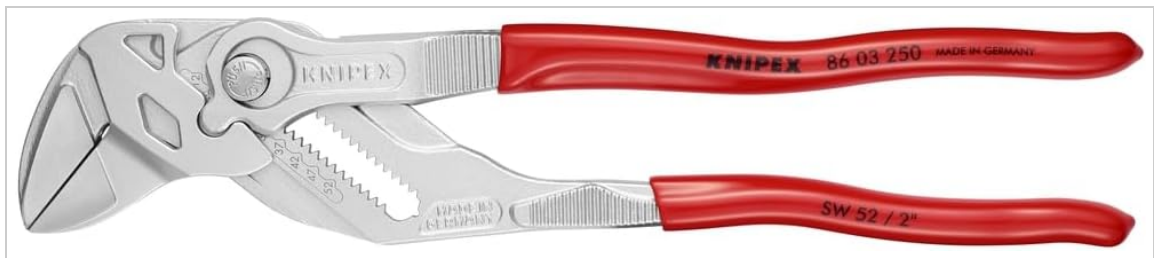


Figure 2.4: 10-inch Pliers Wrench.

3. SETUP

The KNIPEX Pliers Wrenches are ready for use directly out of the packaging. No assembly is required. Before first use, familiarize yourself with the adjustment mechanism.

3.1 Adjusting Jaw Opening

1. Locate the adjustment button on the side of the pliers wrench.
2. Press and hold the adjustment button.
3. Slide the movable jaw to the desired opening size. The jaws will move in parallel.
4. Release the button to lock the jaws in place. Ensure the jaws are securely locked before applying force.

For optimal grip and to prevent damage to the workpiece, adjust the jaws so they fit snugly around the object without excessive force.

4. OPERATING INSTRUCTIONS

The unique design of the pliers wrench allows for powerful gripping and leverage, similar to a traditional wrench, but with the added benefit of smooth, parallel jaws that prevent marring.

4.1 Gripping and Holding

Position the jaws around the workpiece, ensuring full contact with the parallel surfaces. Squeeze the handles firmly to apply pressure. The high leverage ratio provides significant gripping force.



Figure 4.1: Using the pliers wrench to secure a hose clamp.

4.2 Tightening and Loosening Fasteners

The parallel jaws provide a secure, non-marring grip on nuts, bolts, and other fasteners. Apply even pressure to the handles and turn the tool as you would a conventional wrench. The "ratcheting" action allows for quick repositioning without removing the tool from the fastener.



Figure 4.2: Removing a faucet aerator with the pliers wrench.



Figure 4.3: Tightening a faucet nut with the pliers wrench.

4.3 Bending and Pressing

The strong, parallel jaws can also be used for light bending or pressing tasks, such as straightening metal components or pressing parts together. Always ensure the material is suitable for bending with hand tools to avoid damage to the tool or workpiece.



Figure 4.4: Adjusting a toy truck wheel nut.

5. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your KNIPEX Pliers Wrench Set.

- **Cleaning:** After each use, wipe the tools clean with a dry cloth to remove dirt, grease, and debris. For stubborn grime, use a mild degreaser and then wipe dry.
- **Lubrication:** Periodically apply a light machine oil to the pivot points and adjustment mechanism to ensure smooth operation and prevent corrosion.
- **Storage:** Store the pliers wrenches in a dry environment to prevent rust. The original packaging or a tool roll/box is recommended for protection.
- **Inspection:** Regularly inspect the tools for any signs of wear, damage, or loose components. Do not use damaged tools.

6. TROUBLESHOOTING

6.1 Jaws Not Adjusting Smoothly

- **Cause:** Dirt or debris in the adjustment mechanism, or lack of lubrication.

- **Solution:** Clean the adjustment mechanism thoroughly and apply a light machine oil to the moving parts.

6.2 Tool Slipping on Workpiece

- **Cause:** Jaws not properly adjusted, or excessive force applied at an incorrect angle.
- **Solution:** Ensure the jaws are adjusted to fit snugly around the workpiece. Apply firm, even pressure and maintain a straight angle relative to the fastener.

7. SPECIFICATIONS

Feature	Detail
Brand	KNIPEX
Model Number	9K 00 80 45 US
Set Sizes	6-inch, 7-inch, 10-inch
Material	Chrome vanadium electric steel, forged, oil-hardened
Handle Material	Plastic coating (Red)
Grip Type	Smooth
Item Weight	5.6 ounces
Product Dimensions	1"L x 1"W
UPC	843221020842
Specification Met	RoHS

8. WARRANTY AND SUPPORT

KNIPEX Tools are manufactured to high-quality standards and are designed for durability and performance. For specific warranty information and support inquiries, please refer to the official KNIPEX website or contact their customer service directly. Retain your proof of purchase for warranty claims.

For additional resources and product information, visit the official KNIPEX website: www.knipex.com