

KNIPEX 87 21 250

KNIPEX 87 21 250 Cobra Quick Set Water Pump Pliers Instruction Manual

Model: 87 21 250 | Brand: KNIPEX

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your KNIPEX 87 21 250 Cobra Quick Set Water Pump Pliers. Please read these instructions carefully before operating the tool and retain them for future reference. The Cobra Quick Set pliers offer proven gripping ability with an even faster adjustment mechanism for various workpieces.

2. SAFETY INFORMATION

Always prioritize safety when using hand tools. Failure to follow these guidelines may result in injury or damage to the tool or workpiece.

- **Wear Eye Protection:** Always wear safety glasses or goggles to protect your eyes from flying debris.
- **Inspect Tool Before Use:** Check the pliers for any signs of damage, wear, or loose parts. Do not use damaged tools.
- **Use the Correct Tool for the Job:** Ensure the pliers are appropriate for the size and type of workpiece.
- **Maintain a Secure Grip:** Always hold the pliers firmly to prevent slipping, especially when applying force.
- **Keep Hands Clear:** Ensure hands and fingers are clear of the jaws and adjustment mechanism during operation.
- **Do Not Overload:** Avoid applying excessive force that could damage the tool or workpiece.
- **Store Properly:** Store pliers in a clean, dry place, away from children and unauthorized users.

3. PRODUCT FEATURES

The KNIPEX Cobra Quick Set Water Pump Pliers are designed with the following key features:

- **Quick Set Adjustment:** Adjustment on the workpiece by simply sliding the pliers handle – push, open, slide up, and it stays set.
- **Self-Locking Mechanism:** Self-locking on pipes and nuts, preventing slipping on the workpiece and requiring low hand force.
- **Push-Button Feature:** Adjusts pliers once and stays set, offering 25 adjustment positions for optimal adaptation to different workpiece sizes.
- **Slim Head and Joint Area:** Provides good access to the workpiece, with a working capacity of up to 2 inches.

- **Hardened Gripping Surfaces:** Gripping surfaces feature special hardened teeth (approx. 61 HRC) for wear resistance and long life.
- **Durable Construction:** Made from German chrome vanadium electric steel, forged and oil-hardened, designed to grip any shaped object.

4. SETUP AND OPERATION

Follow these steps to properly set up and operate your Cobra Quick Set pliers:

1. Initial Adjustment:

To adjust the pliers, simply open the jaws all the way. This disengages the locking mechanism.



Image: KNIPEX Cobra Quick Set Pliers with jaws fully open, ready for adjustment.

2. Positioning on Workpiece:

Place the top jaw onto the workpiece. Then, slide the lower jaw up towards the workpiece until it makes contact.



Image: KNIPEX Cobra Quick Set Pliers gripping a hexagonal bolt, demonstrating the secure hold.

3. Engaging the Pliers:

Squeeze the handles together. The pliers will automatically lock at the precise setting, providing a secure, self-locking grip. This mechanism allows for one-handed adjustment and operation.

Your browser does not support the video tag.

Video: Demonstration of the KNIPEX Cobra Quick Set Water Pump Pliers' quick adjustment and self-locking feature.

4. Re-adjusting:

To change the setting, simply open the jaws fully again to release the lock, and repeat steps 1-3.

5. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your KNIPEX 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 solvent and ensure the tool is thoroughly dried afterward.
- **Lubrication:** Periodically apply a light coat of machine oil to the pivot points and adjustment mechanism to ensure smooth operation and prevent rust.
- **Storage:** Store the pliers in a dry environment to prevent corrosion. Avoid storing them in damp or humid conditions.
- **Inspection:** Regularly inspect the gripping teeth for wear or damage. While the teeth are specially hardened, extreme use can cause wear over time.

6. TROUBLESHOOTING

Here are solutions to common issues you might encounter:

- **Pliers feel stiff or difficult to adjust:**
Clean the pivot points and adjustment mechanism thoroughly. Apply a small amount of lubricating oil to these areas and work the pliers open and closed several times to distribute the lubricant.
- **Grip is slipping on the workpiece:**
Ensure the pliers are correctly adjusted to the workpiece size. The self-locking mechanism requires proper engagement. Check the gripping teeth for excessive wear or damage. If teeth are severely worn, the pliers may need replacement.
- **Rust appearing on metal parts:**
Clean any rust spots with a fine wire brush or steel wool, then apply a rust-inhibiting oil. Ensure the pliers are stored in a dry environment to prevent future rust.

7. SPECIFICATIONS

| Feature | Detail |
|--------------------|---------------------------------------|
| Brand | KNIPEX |
| Model Number | 87 21 250 |
| Size | 10-Inch |
| Material | Chromium-Vanadium Steel |
| Handle Material | Plastic |
| Item Weight | 11.7 ounces (0.73 Pounds) |
| Product Dimensions | 2"W (Working capacity up to 2 inches) |
| Grip Type | Ergonomic |
| Specification Met | DIN ISO 8976 |



Image: KNIPEX Cobra Quick Set Pliers showing overall length and jaw width.

8. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the official KNIPEX website or contact their customer service department. Keep your purchase receipt as proof of purchase.

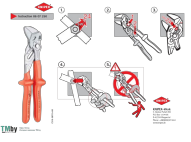

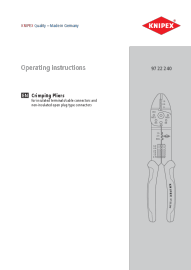

Manufacturer: Knipex Tools LP

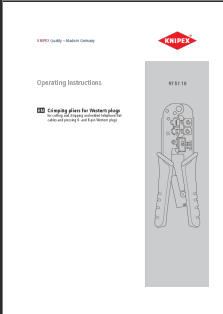

EU Spare Part Availability Duration: 1 Years (as per product data)



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Related Documents - 87 21 250

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|---|---|
|  | <p>KNIPEX Cobra Pliers Instruction Manual</p> <p>Instruction manual for KNIPEX Cobra Pliers (86 07 250), detailing usage and safety precautions.</p> |
|  | <p>KNIPEX SmartGrip Water Pump Pliers 250mm (8501250) - Technical Specifications</p> <p>Detailed specifications and product description for the KNIPEX SmartGrip water pump pliers 250mm (model 8501250). Features include automatic adjustment, self-locking grip, and ergonomic design. Suitable for plumbing, installation, and maintenance tasks.</p> |
|  | <p>KNIPEX 97 22 240 Crimping Pliers: Operating Instructions</p> <p>Detailed operating instructions for the KNIPEX 97 22 240 Crimping Pliers, covering general information, safety guidelines, tool design and function, step-by-step operation for crimping, stripping, and cutting, maintenance, technical data, and disposal information.</p> |
|  | <p>KNIPEX Product Safety Instructions and Guidelines</p> <p>Essential safety instructions and guidelines for KNIPEX products, presented in multiple languages to ensure user understanding and safe operation. This document outlines general precautions for handling and using KNIPEX tools.</p> |

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|  | <p>KNIPEX 97 51 10 Operating Instructions: Crimping Pliers for Western Plugs</p> <p>Detailed operating instructions for the KNIPEX 97 51 10 crimping pliers, covering intended use, design, function, operation for RJ11/12 and RJ45 plugs, maintenance, and technical specifications.</p> |
|  | <p>KNIPEX 95 36 250/280 Cable Cutter Instruction Manual</p> <p>Detailed instruction manual for KNIPEX 95 36 250 and 95 36 280 cable cutters, covering functions, applications, maintenance, and safety procedures for electrical installations and live cable cutting.</p> |