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> KNIPEX Cobra Water Pump Pliers XS (4-Inch) Instruction Manual

KNIPEX 87 00 100

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Model: 87 00 100

INTRODUCTION

The KNIPEX Cobra XS, model 87 00 100, is a compact 4-inch water pump pliers designed for versatile gripping tasks. Despite its small size, it offers significant gripping capacity and precise adjustment, making it suitable for various applications, including those in confined spaces. This manual provides essential information for the safe and effective use, setup, operation, and maintenance of your KNIPEX Cobra XS pliers.



The KNIPEX Cobra XS 4-inch water pump pliers in a closed position.



The smallest water pump pliers with full functional capability, designed to grip like a larger tool.

SAFETY INFORMATION

- Always wear appropriate personal protective equipment (PPE), such as safety glasses, when using hand tools.
- Ensure the pliers are correctly adjusted to the workpiece size to prevent slipping and potential injury.
- Do not use pliers for tasks they are not designed for, such as hammering or prying.
- Keep hands and fingers clear of the jaw area during adjustment and operation to avoid pinching.
- Store pliers in a dry, safe place, out of reach of children.

SETUP

The KNIPEX Cobra XS features a push-button adjustment mechanism for quick and precise sizing. This allows for optimal adaptation to various workpiece dimensions.

1. **Open the Pliers:** Fully open the jaws of the pliers.
2. **Press Adjustment Button:** Locate and press the adjustment button on the side of the pliers.
3. **Position Jaws:** While holding the button, slide the upper jaw to roughly match the size of your workpiece.
4. **Release Button:** Release the button to lock the jaws into one of the 11 adjustment positions.
5. **Fine-tune Grip:** Close the handles to ensure a secure, non-slip grip on the workpiece. The self-locking feature will engage.



Side view of the KNIPEX Cobra XS pliers, illustrating the push-button adjustment mechanism.



The box-joint design provides high stability due to its double guide, ensuring reliable performance.

OPERATING INSTRUCTIONS

The KNIPEX Cobra XS pliers are designed for gripping, holding, pressing, and bending various workpieces. Its slim head and hardened teeth ensure a firm grip even in tight spaces.

- **Secure Grip:** Once adjusted, the pliers will self-lock on pipes and nuts, requiring low hand force and preventing slipping.
- **Versatile Use:** Ideal for plumbing, automotive, electrical, and general maintenance tasks. Its compact size allows access to confined areas where larger tools cannot reach.
- **Material Compatibility:** The specially hardened teeth provide a strong grip on various materials without damaging them when used correctly.



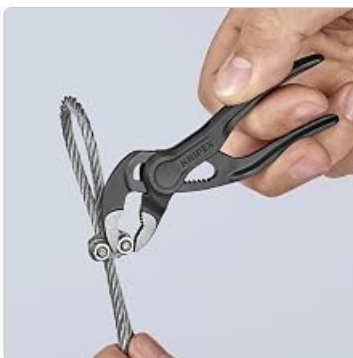
KNIPEX Cobra XS pliers securely gripping a hexagonal bolt, demonstrating its strong hold.



KNIPEX Cobra XS pliers adjusting a radiator valve, showcasing its utility in confined spaces.



The self-locking feature ensures no slipping off the workpiece, requiring minimal hand force.



Gripping surfaces are equipped with special hardened teeth for enhanced durability and grip.



The handles feature a texturized surface for a more secure and comfortable grip during use.

MAINTENANCE

- **Cleaning:** After each use, wipe the pliers clean with a dry cloth to remove dirt, grease, or debris. For stubborn grime, a mild solvent can be used, followed by thorough drying.
- **Lubrication:** Periodically apply a light 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 in damp conditions or where they may be exposed to corrosive chemicals.
- **Inspection:** Regularly inspect the jaws and teeth for wear or damage. Replace the tool if significant wear or damage is observed to maintain optimal performance and safety.

TROUBLESHOOTING

- **Pliers not gripping securely:** Ensure the pliers are correctly adjusted to the workpiece size using the push-button mechanism. The self-locking feature works best when the jaws are properly set. Check for excessive wear on the gripping teeth; if worn, the pliers may need replacement.
- **Adjustment mechanism is stiff:** Clean any debris from the adjustment area and apply a light lubricant to the pivot points and the adjustment button mechanism.
- **Rust formation:** If rust appears, clean it off with a wire brush or fine abrasive, then apply a rust-inhibiting oil. Ensure the pliers are stored in a dry environment to prevent future rust.

SPECIFICATIONS

Feature	Detail
Brand	KNIPEX

Model Number	87 00 100
Product Dimensions	4"L x 1.13"W
Material	Blend (Tool Steel)
Handle Material	Plastic (Texturized)
Item Weight	0.06 Kilograms
Adjustment Positions	11
Gripping Capacity	Up to 1-Inch
Specific Uses	Fleet and plant maintenance, general gripping tasks

WARRANTY AND SUPPORT

KNIPEX tools are manufactured to high-quality standards and are designed for durability and performance. For specific warranty information, please refer to the official KNIPEX website or contact KNIPEX customer support directly. Keep your purchase receipt as proof of purchase.

For further assistance, technical support, or to inquire about replacement parts, please visit the official KNIPEX website or contact their authorized service centers.

Online Resources: www.knipex.com