

KNIPEX 87 02 250 T BKA

KNIPEX Cobra Water Pump Pliers

MODEL: 87 02 250 T BKA (10-INCH, COMFORT GRIP, TETHER POINT)

Instruction Manual

1. Introduction

This manual provides essential information for the safe and effective use of your KNIPEX Cobra Water Pump Pliers. Manufactured in Wuppertal-Cronenberg, Germany, these tools are designed for quality, innovation, and performance. Please read these instructions thoroughly before initial use and retain for future reference.

2. Product Features

- Precision Grade Performance Tools
- The Number 1 Choice Of Tradesman Worldwide
- Comfortable In Use And Quality Assured Design
- Fit To Match The Needs In The Shop, At Home Or In The Service Field
- Each Tool Is Proven And Tested For Durability And Function In Real World Use And Conditions

3. Setup and Adjustment

The KNIPEX Cobra pliers feature a push-button adjustment mechanism for quick and precise sizing. This allows for fine adjustment to various workpiece sizes, ensuring a secure grip without slippage.

Video Description: This video demonstrates the fast adjustment feature of the KNIPEX Cobra pliers. A hand presses a button on the pliers to quickly open and close the jaws, showing how to achieve an ideal size adjustment due to fine increments. The gripping width remains set once adjusted, and a pinch protection mechanism prevents injuries. The pliers are shown gripping a pipe, highlighting the firm and secure hold due to the self-locking effect, even when subjected to high load.

3.1. Adjusting Jaw Opening

1. Press the adjustment button located on the pliers handle.
2. While holding the button, slide the upper jaw to the desired opening width.
3. Release the button to lock the jaws in place. The fine adjustment ensures optimal adaptation to the workpiece.

3.2. Tether Point Usage

This model includes an integrated tether point for securing the tool, preventing accidental drops when working at heights. Ensure the tether is properly attached to a secure anchor point and the tool's tether point before use.

Video Description: This video showcases the KNIPEX Tethered Tools range. It demonstrates a worker at height attaching a pair of KNIPEX pliers with a tether to their harness. The video highlights the stable mounting lug welded to the handle and states that the attachment lug withstands loads up to 400 N, emphasizing safety and preventing tools from falling.

4. Operating Instructions

The unique jaw design of the Cobra pliers provides a self-locking effect on pipes and nuts, meaning the tool will not slip off the workpiece and requires less hand force. The specially hardened teeth ensure a tough and durable grip.

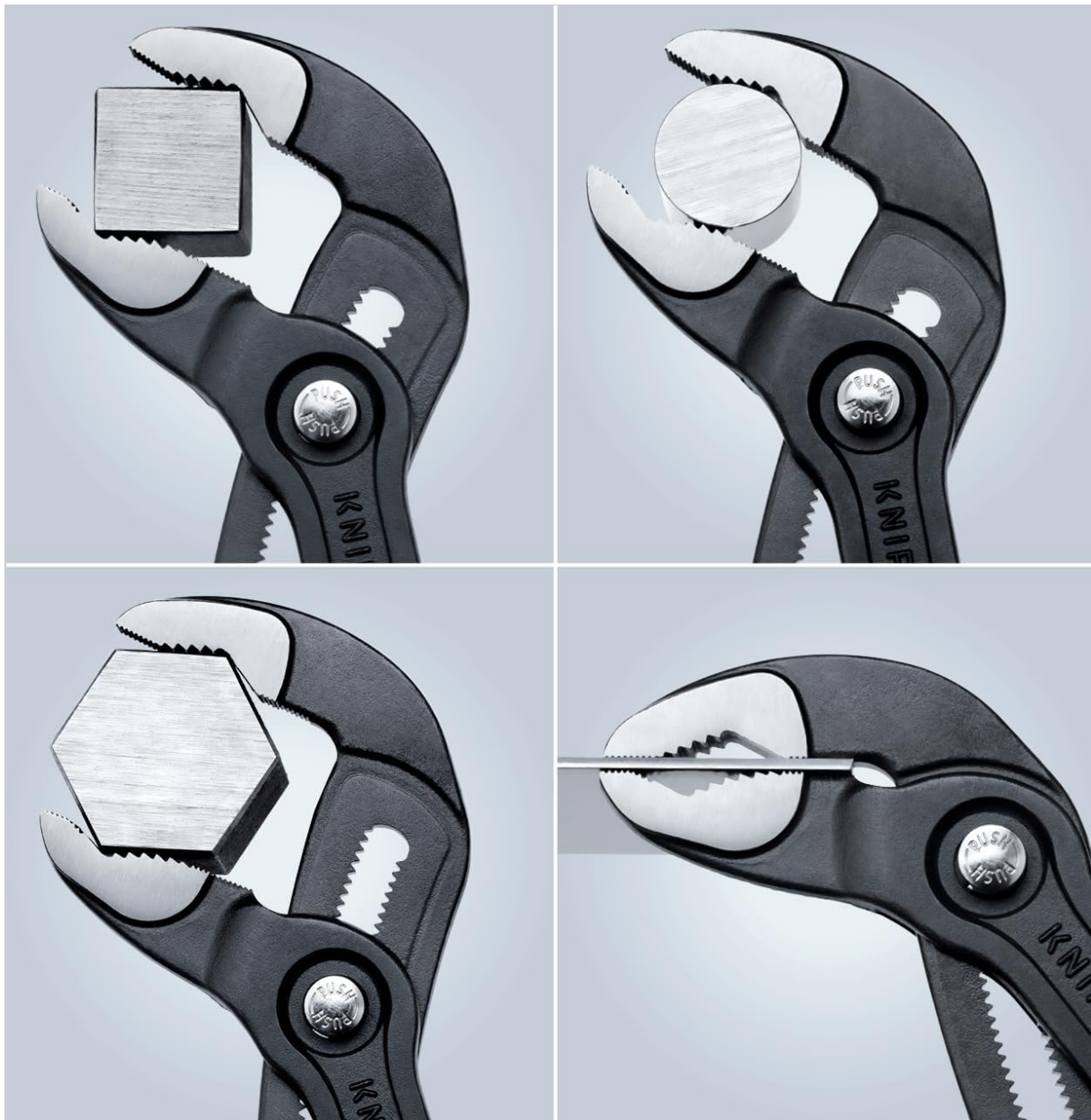


Image Description: A four-panel image demonstrating the versatility of KNIPEX Cobra pliers. The top-left panel shows the pliers gripping a square object. The top-right shows them gripping a round pipe. The bottom-left shows them gripping a hexagonal nut. The bottom-right shows them gripping a thin, flat piece of material. This illustrates the multi-component grip capability.

4.1. Gripping Pipes and Round Materials

Position the curved jaws around the pipe or round material. Press the adjustment button and close the handles until the jaws firmly grip the workpiece. The self-locking action will engage, providing a secure

hold.

4.2. Gripping Nuts and Hexagonal Materials

Place the jaws over the nut or hexagonal material. Adjust the jaw opening using the push-button mechanism until the jaws fit snugly. Apply pressure to the handles to secure the grip and turn as needed.



Image Description: A close-up view of a hand using KNIPEX Cobra pliers to work on a plumbing connection. The pliers are gripping a hexagonal fitting on a braided metal hose, which is connected to a blue pipe. This demonstrates the pliers' application in plumbing tasks.

5. Maintenance

To ensure the longevity and optimal performance of your KNIPEX Cobra pliers, follow these maintenance guidelines:

- **Cleaning:** After each use, wipe the pliers clean of any dirt, grease, or debris. A damp cloth can be used, followed by thorough drying.
- **Lubrication:** Periodically apply a light machine oil to the pivot point and adjustment mechanism to ensure smooth operation.
- **Storage:** Store the pliers in a dry environment to prevent rust. Keep them away from corrosive materials.
- **Inspection:** Regularly inspect the jaws for wear or damage. Check the adjustment mechanism for proper function. If any part is damaged, discontinue use and consider replacement or professional

repair.

6. Troubleshooting

Most issues with the KNIPEX Cobra pliers can be resolved with proper maintenance. If you encounter problems, consider the following:

- **Jaws slipping:** Ensure the jaws are clean and free of grease. Re-adjust the pliers to achieve a tighter grip on the workpiece. The self-locking mechanism requires proper engagement.
- **Stiff adjustment:** Apply a small amount of lubricant to the adjustment mechanism and work it back and forth to free up any stiffness. Clean any accumulated dirt.
- **Rust:** Minor surface rust can often be removed with a fine wire brush and then oiled. For significant rust or pitting, consider professional assessment.

7. Specifications

Attribute	Value
Brand	KNIPEX
Model Number	87 02 250 T BKA
Material	Chromium-Vanadium Steel
Product Dimensions	10"L x 2.06"W
Handle Material	Plastic (Comfort Grip)
Item Weight	0.81 Pounds (12.9 ounces)
Specific Uses For Product	Service Field
Specification Met	DIN ISO 8976
Grip Type	Ergonomic
UPC	843221021702

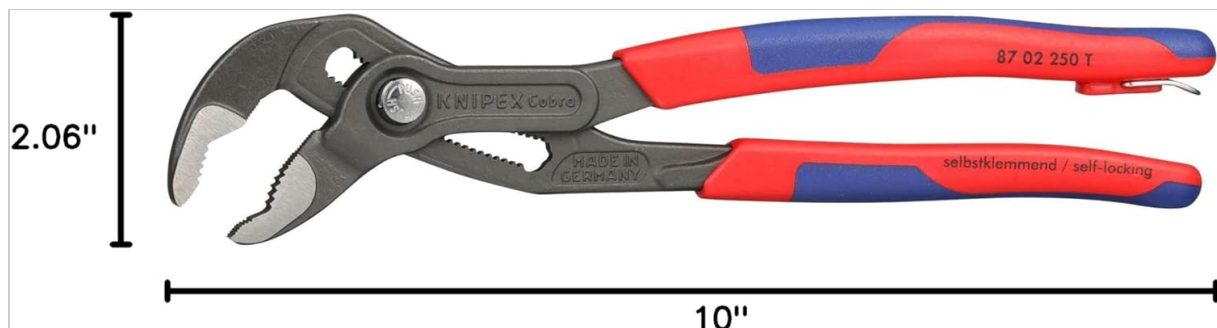


Image Description: A visual representation of the KNIPEX Cobra Water Pump Pliers with key dimensions highlighted. The pliers are shown to be 10 inches in length and 2.06 inches in width.

8. Safety Information

- Always wear appropriate personal protective equipment (PPE), such as safety glasses, when using hand tools.
- Ensure the pliers are correctly adjusted and securely gripping the workpiece before applying force.

- Do not use pliers as a hammer or for prying, unless specifically designed for such tasks.
- Keep hands and fingers clear of the jaw area during adjustment and operation to prevent pinching.
- Store tools safely when not in use to prevent accidents.

9. Warranty and Support

Your KNIPEX Cobra Water Pump Pliers come with a **Limited Lifetime Warranty**. This warranty covers defects in material and workmanship under normal use. For warranty claims or technical support, please refer to the official KNIPEX website or contact their customer service directly.