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Lincoln Electric W 000 010 454

OERLIKON Special Pliers Original Fix

MIG/MAG Welding Rod Nozzle Pliers - Model: W 000 010 454

1. INTRODUCTION AND PRODUCT OVERVIEW

The OERLIKON Special Pliers Original Fix are an indispensable accessory for MIG/MAG welding machines, meticulously crafted in Switzerland. These patented special pliers are engineered to provide four essential functions, streamlining your welding tasks with efficiency and precision.

Designed for professional use, these pliers are a Swiss quality product, ensuring durability and reliable performance. They are available in sizes suitable for 15-18 mm nozzles, accommodating various welding setups.

Key Features:

- **Welding Wire Trimming:** Allows for quick and precise cutting of welding wire.
- **Gas Nozzle Cleaning:** Facilitates time-saving and efficient cleaning of the protective gas nozzle.
- **Gas Nozzle Removal:** Enables easy removal of the protective gas nozzle from the welding torch.
- **Contact Tip Management:** Designed for easy detachment and tightening of the contact tip.



An image showing the OERLIKON Special Pliers. The pliers are black with a red pivot mechanism. The handles are ergonomically shaped, and the red mechanism features a screw and markings. The 'ORIGINAL FIX' logo is visible on one of the black handles.

2. SAFETY INFORMATION

Always prioritize safety when working with tools, especially in welding environments. Read and understand all instructions before using the OERLIKON Special Pliers.

- **Eye Protection:** Always wear appropriate eye protection (safety glasses or goggles) to shield against sparks, debris, and UV/IR radiation from welding.
- **Hand Protection:** Use welding gloves to protect your hands from heat, sharp edges, and electrical hazards.
- **Proper Handling:** Handle the pliers with care. Avoid dropping them or using them for purposes other than their intended function.
- **Maintenance:** Keep the pliers clean and in good working condition. A well-maintained tool is safer to use.
- **Storage:** Store the pliers in a dry, safe place, away from children and unauthorized users.

3. SETUP

The OERLIKON Special Pliers are ready for use directly out of the packaging. No assembly is required.

- **Inspection:** Before first use, inspect the pliers for any signs of damage or manufacturing defects. Ensure the cutting edges are sharp and the pivot mechanism moves smoothly.
- **Compatibility:** Verify that the pliers are the correct size (15-18 mm) for the welding nozzles you intend to work with.

4. OPERATING INSTRUCTIONS

These multi-functional pliers are designed for specific tasks related to MIG/MAG welding torch maintenance. Follow these instructions for optimal performance:

4.1. Cutting Welding Wire

1. Open the pliers and position the welding wire between the designated cutting jaws.
2. Ensure the wire is perpendicular to the cutting edges for a clean cut.
3. Apply firm, steady pressure to the handles to cut the wire to the desired length.

4.2. Cleaning the Gas Nozzle

1. Identify the internal cleaning prongs on the pliers.
2. Insert the prongs into the gas nozzle opening.
3. Rotate the pliers gently while applying slight pressure to scrape away spatter and debris from the inside of the nozzle.

4.3. Removing the Gas Nozzle

1. Locate the gripping teeth designed for nozzle removal.
2. Position these teeth around the base of the gas nozzle.
3. Grip firmly and twist or pull the nozzle off the welding torch, depending on its attachment mechanism.

4.4. Detaching and Tightening the Contact Tip

1. Use the square or hexagonal opening on the pliers, designed to fit the contact tip.

2. To detach, place the opening over the contact tip and rotate counter-clockwise.
3. To tighten, place the opening over the contact tip and rotate clockwise until snug. Do not overtighten.

5. MAINTENANCE

Regular maintenance will extend the life of your OERLIKON Special Pliers and ensure continued performance.

- **Cleaning:** After each use, wipe down the pliers with a clean, dry cloth to remove any welding spatter, dust, or grime. For stubborn residue, a mild solvent can be used, ensuring it does not damage the material.
- **Lubrication:** Periodically apply a small amount of light machine oil to the pivot point to ensure smooth operation and prevent rust.
- **Inspection:** Regularly check the cutting edges for sharpness and the gripping surfaces for wear. If the cutting edges become dull, consider professional sharpening or replacement if severely worn.
- **Storage:** Store the pliers in a dry environment to prevent corrosion.

6. TROUBLESHOOTING

If you encounter issues with your OERLIKON Special Pliers, consider the following common solutions:

- **Pliers feel stiff or sticky:** The pivot point may need lubrication. Apply a few drops of light machine oil and work the handles back and forth.
- **Difficulty cutting welding wire:** The cutting edges may be dull or damaged. Inspect them for nicks or excessive wear. Ensure the wire is positioned correctly.
- **Ineffective nozzle cleaning:** Ensure the cleaning prongs are fully inserted into the nozzle and rotate the pliers to dislodge spatter. Heavy spatter buildup may require more vigorous cleaning or a specialized nozzle reamer.
- **Difficulty gripping or removing parts:** Ensure the correct part of the pliers is being used for the specific function (e.g., gripping teeth for nozzle, square/hex opening for contact tip). Verify the nozzle size is within the pliers' specified range (15-18 mm).

If problems persist after attempting these solutions, contact your supplier or a qualified service technician.

7. SPECIFICATIONS

Attribute	Value
Manufacturer	Original FIX
Part Number	W 000 010 454_SML
Item Model Number	W 000 010 454
Package Dimensions	18 x 9.4 x 2.2 cm
Item Weight	200 g
Size Compatibility	15 - 18 mm Nozzles
Colour	Black
Material	Chromium-Vanadium Steel (Pliers), Legerat stål (Handle)
Item Package Quantity	1

Specification Met	Swiss quality product
Specific Uses	Professional Welding Applications
Grip Type	Ergonomic
Cutting Width	1.5 Centimetres

8. WARRANTY AND SUPPORT

Specific warranty information for the OERLIKON Special Pliers Original Fix is not provided within this manual. For details regarding warranty coverage, terms, and conditions, please refer to the product packaging, the original purchase documentation, or contact the manufacturer, Original FIX, or your authorized dealer directly.

For technical support, spare parts, or service inquiries, please reach out to the customer service department of your point of purchase or the manufacturer. Always provide the model number (W 000 010 454) and ASIN (B01H0GSEHC) when seeking support.