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Wostore USAC01107

Wostore Tubing Cutter 1/4 to 2-5/8 Inch Instruction Manual

Model: USAC01107

1. Introduction

This manual provides instructions for the safe and effective use of your Wostore Tubing Cutter. This tool is designed for precise cutting of various pipe materials, including hard and soft copper, aluminum, brass, PE, and PVC plastic tubes. Please read this manual thoroughly before operation and retain it for future reference.





Image 1.1: The Wostore Tubing Cutter, a hand-powered tool for cutting various pipes.

2. Product Features

- **Versatile Cutting:** Capable of cutting hard and soft copper, aluminum, brass, PE, and PVC plastic tubes.
- **Adjustable Capacity:** Accommodates pipe diameters from 1/4 inch to 2-5/8 inches (6-67mm).
- **Precise Operation:** Features an adjustable cutting depth for accurate and clean cuts.
- **Replaceable Blade:** Includes one spare cutting blade stored within the handle for extended tool life.
- **Ergonomic Design:** Corrugated knob design provides a comfortable and stable grip during use.
- **Smooth Action:** Equipped with flexible and smooth ball bearings for consistent cutting performance.



Image 2.1: The tubing cutter is suitable for stainless steel, PVC, aluminum, and copper pipes.

3. Components

The Wostore Tubing Cutter consists of the following main components:

- **Frame:** The main body of the cutter, typically made of aluminum.
- **Cutting Wheel (Blade):** The sharp circular blade that scores and cuts the pipe.
- **Rollers:** Two rollers that guide the pipe and allow it to rotate smoothly during cutting.
- **Adjustment Knob:** A corrugated knob used to advance the cutting wheel and adjust the cutting depth.
- **Spare Blade Storage:** A compartment within the adjustment knob for storing a spare cutting blade.



Image 3.1: Detail view highlighting the flexible and smooth ball bearings that ensure consistent pipe rotation.



Image 3.2: The solid ergonomic knob provides a comfortable and secure grip for precise adjustments.

4. Operating Instructions

Follow these steps for safe and effective pipe cutting:

1. **Prepare the Pipe:** Ensure the pipe is clean and free of debris. Mark the desired cut line clearly.
2. **Open the Cutter:** Rotate the adjustment knob counter-clockwise to open the jaws of the cutter wide enough to fit over the pipe.
3. **Position the Pipe:** Place the pipe between the rollers and the cutting wheel, aligning the cutting wheel with your marked cut line.
4. **Tighten the Knob:** Rotate the adjustment knob clockwise until the cutting wheel makes light contact with the pipe. Do not overtighten initially.
5. **Begin Cutting:** Rotate the cutter around the pipe, applying light pressure by turning the adjustment knob clockwise a quarter to half turn after each full rotation of the cutter.
6. **Continue Cutting:** Repeat step 5, gradually increasing pressure, until the pipe is completely cut through. Maintain steady pressure and rotation for a clean cut.
7. **Remove Burrs:** After cutting, use a reamer (if available on your model) or a deburring tool to remove any internal or external burrs from the pipe edge.



Image 4.1: The tubing cutter is shown positioned on a copper pipe, ready for cutting.



Image 4.2: Demonstrates the proper grip and rotation technique for cutting a pipe.

5. Maintenance

5.1. Blade Replacement

The cutting wheel is a consumable part and will dull over time. Replace it when cuts become difficult or uneven.

1. **Locate Spare Blade:** A spare blade is typically stored inside the adjustment knob. Unscrew the end cap of the knob to access it.
2. **Remove Old Blade:** Use a small screwdriver to remove the screw holding the dull blade in place. Carefully remove the old blade.
3. **Install New Blade:** Place the new blade into position, ensuring it is seated correctly. Secure it with the screw.
4. **Store Spare:** If you used the spare, ensure you replace it with a new one for future use.



Image 5.1: Illustration of how to access and replace the cutting blade by removing the screw from the end of the adjustment knob.

5.2. Care and Storage

- After each use, wipe the cutter clean to remove any metal shavings or debris.
- Apply a light coat of oil to the cutting wheel and moving parts periodically to prevent rust and ensure smooth operation.
- Store the tubing cutter in a dry place to prevent corrosion.

6. Troubleshooting

- **Uneven or Jagged Cuts:**
  Possible Cause: Dull cutting blade.
  Solution: Replace the cutting blade (refer to Section 5.1).
  Possible Cause: Insufficient or uneven pressure during cutting.
  Solution: Ensure consistent, light pressure and even rotation around the pipe.
- **Difficulty Rotating Cutter:**
  Possible Cause: Cutter is overtightened on the pipe.
  Solution: Loosen the adjustment knob slightly. Apply less pressure per rotation.

Possible Cause: Debris in rollers or moving parts.
Solution: Clean the cutter thoroughly and apply lubricant.

- **Cutter Does Not Fit Pipe:**
  Possible Cause: Pipe diameter is outside the cutter's specified range (1/4" to 2-5/8").
  Solution: Verify pipe size. Use an appropriately sized cutter for the pipe.

7. Specifications

Specification	Detail
Model Number	USAC01107
Cutting Capacity	1/4 inch to 2-5/8 inch (6-67mm)
Material	Aluminum
Power Source	Hand-powered
Item Weight	1.51 pounds
Product Dimensions	109.56 x 51 x 12 inches (Note: This dimension seems unusually large for a hand tool and may refer to packaging or shipping dimensions. Actual tool dimensions are smaller.)
Included Components	Tube cutter, 1 spare blade

8. Warranty and Support

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

A PDF version of this user guide may also be available for download:Wostore Tubing Cutter User Guide (PDF)

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