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› XMHF Adjustable Metal Pipe Tube Cutter (3mm-28mm) User Manual

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1. INTRODUCTION

This manual provides detailed instructions for the safe and effective use of the XMHF Adjustable Metal Pipe Tube Cutter. This tool is designed for precise cutting of thin-wall copper, brass, and aluminum tubing with diameters ranging from 3mm to 28mm (1/8" to 1 1/8"). Please read this manual thoroughly before operation to ensure proper use and to prevent damage to the tool or injury.

2. SAFETY INFORMATION

- Always wear appropriate personal protective equipment, such as safety glasses, when operating cutting tools.
- Ensure the workpiece is securely held to prevent movement during cutting.
- Keep hands and fingers clear of the cutting wheel and rotating parts.
- Do not apply excessive force; allow the tool to do the work.
- Store the tool in a dry, safe place, out of reach of children.
- Inspect the cutting wheel for damage before each use. Replace if dull or chipped.

3. PRODUCT OVERVIEW

The XMHF Pipe Tube Cutter is a compact and durable tool designed for clean, square cuts on various metal tubing. It features an adjustable mechanism to accommodate different tube diameters and includes a reamer for deburring.

Key Components:

- **Cutting Wheel:** The sharp blade that scores and cuts the tubing.
- **Rollers:** Guide the tubing and allow it to rotate smoothly.
- **Adjustment Knob:** Used to tighten and loosen the cutting wheel against the tubing.
- **Reamer:** A retractable tool for removing internal burrs after cutting.



Figure 1: Front view of the XMHF Pipe Tube Cutter, showing the cutting wheel and rollers.



Figure 2: Side view of the XMHF Pipe Tube Cutter, highlighting the adjustment knob and reamer.

4. SETUP

Before using the pipe cutter, ensure the cutting wheel is clean and free from debris. Verify that the adjustment knob turns smoothly.

5. OPERATING INSTRUCTIONS

Follow these steps for a clean and efficient cut:

1. **Position the Tubing:** Place the tube to be cut into the machine, ensuring it rests between the rollers and the cutting wheel is aligned with the desired cut point.
2. **Initial Tightening:** Turn the adjustment knob clockwise until the cutting wheel makes light contact with the tubing. It is crucial not to overtighten at this stage, as excessive pressure can deform the tubing or damage the cutting wheel.
3. **Rotate and Score:** Rotate the cutter completely around the tube, applying even pressure. This will score the tubing.
4. **Gradual Tightening:** Gently re-tighten the adjustment knob by a small amount (e.g., a quarter turn).
5. **Repeat:** Continue rotating the cutter around the tube and gently re-tightening the knob after each full rotation. Repeat this operation until the tubing is completely cut through.
6. **Deburring:** After the cut is complete, use the reamer (fixed in the case of the tubing cutter) to remove any internal burrs from the cut edge. This ensures a smooth flow and prevents obstruction.

6. MAINTENANCE

- **Cleaning:** After each use, wipe down the tool with a clean, dry cloth to remove any metal shavings or debris.

- **Lubrication:** Periodically apply a light oil to the adjustment screw and rollers to ensure smooth operation.
- **Cutting Wheel Replacement:** A spare cutting wheel is supplied inside the adjustment knob. To replace the cutting wheel, carefully unscrew the pin holding the old wheel in place, remove it, insert the new wheel, and secure the pin.
- **Storage:** Store the pipe cutter in a dry environment to prevent rust.

7. TROUBLESHOOTING

- **Uneven Cut:** Ensure the tubing is properly seated and the cutter is rotated evenly. Avoid overtightening initially.
- **Difficulty Cutting:** The cutting wheel may be dull or damaged. Refer to the "Cutting Wheel Replacement" section in Maintenance. Ensure you are cutting within the specified diameter range (3mm-28mm).
- **Tubing Deforms:** This usually indicates overtightening the adjustment knob too quickly. Apply gradual pressure.

8. SPECIFICATIONS

Product Name	Pipe Cutter
Brand	XMHF
Material	Metal, Plastic
Cutting Tube Diameter Range	3-28mm (1/8" - 1 1/8")
Total Size (L*W*T)	136 x 55 x 25mm (5.4" x 2.2" x 2")
Item Weight	173g (6.2 ounces)
Color	Red, Black
Package Content	1 x Pipe Cutter

9. WARRANTY AND SUPPORT

This product is manufactured by XMHF. For specific warranty information or technical support, please refer to the product packaging or contact the seller directly through your purchase platform. Keep your purchase receipt for any warranty claims.

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