

WPL 2-7/8 "

WPL 2-7/8 inch Metal Pipe Cutting Guide Kit User Manual

Model: 2-7/8"

1. PRODUCT OVERVIEW

The WPL 2-7/8 inch Metal Pipe Cutting Guide Kit is a specialized tool designed for achieving precise angle cuts on metal pipes with an outer diameter of 2-7/8 inches (approximately 73mm). Constructed from high-strength steel, this guide facilitates standard angle cutting at 22.5°, 45°, 90°, and also enables saddle cuts. It is engineered to provide stable support and accurate guidance for various complex cutting requirements in applications such as pipeline installation, metal processing, mechanical maintenance, and manual fabrication.

Key Features:

- **Accurate Pipe Diameter Fit:** Specifically designed for 2-7/8 inch pipes, ensuring a tight fit and high precision to minimize cutting errors.
- **Multiple Cutting Angles:** Supports 22.5°, 45°, 90° cutting angles and saddle cuts.
- **Powerful Magnetic Attachment:** Features strong magnets for firm attachment to metal pipe surfaces, enhancing stability and preventing shifting during operation.
- **Premium Steel Construction:** Made from high-strength steel for excellent wear resistance and durability, suitable for long-term, high-intensity cutting tasks.
- **Versatile Applications:** Ideal for industrial pipe installation, building water supply and drainage projects, and home piping modifications involving magnetic metal pipes.



2. SETUP AND PREPARATION

Before beginning any cutting operation, ensure you have all necessary safety equipment, including safety glasses, gloves, and appropriate cutting tools.

1. **Select the Correct Guide Size:** Verify that the cutting guide matches the outer diameter of your metal pipe. This guide is specifically for 2-7/8 inch pipes.
2. **Clean the Pipe Surface:** Ensure the metal pipe surface is clean and free of rust, grease, or debris where the guide will be attached. This ensures optimal magnetic adhesion.
3. **Position the Guide:** Carefully slide the cutting guide over the metal pipe to the desired cutting location. The powerful magnetic attachment will help secure it firmly. Ensure a tight fit and precise placement for accurate cuts.



Image 2: The cutting guide demonstrating its stable design and rugged metal construction, suitable for various applications.

3. OPERATING INSTRUCTIONS

Follow these steps for safe and effective use of the WPL Metal Pipe Cutting Guide.

1. **Secure the Pipe:** Ensure the metal pipe is securely clamped or supported to prevent movement during the cutting process.
2. **Mark the Cut Line:** Using a suitable marking tool (e.g., a pencil or soapstone), trace the desired cut line along the edge of the cutting guide onto the metal pipe. The guide provides templates for 22.5°, 45°, 90° angles, and saddle cuts.
3. **Perform the Cut:** With the guide firmly in place and the line marked, use your chosen cutting equipment (e.g., angle grinder, hacksaw, plasma cutter) to carefully cut along the marked line. The guide acts as a visual aid for precision.
4. **Inspect the Cut:** After cutting, remove the guide and inspect the cut for accuracy and smoothness. Deburr any sharp edges as necessary.

How to use Metal Cutting Guide?



Choose a cutting guide to fit 1 - 7/8", 2 - 3/8" or 2 - 7/8" size.



Slide the cutting guide over the metal tube to ensure a tight fit and precise placement.



Using a markable tool such as a pencil, draw a cut line along the edge of the cutting guide on the metal tube.



Fix the metal tube on the suitable cutting equipment, and then cut along the marked line with tools such as saws and pipe cutters.

Image 3: Visual guide demonstrating the process of selecting the correct size, positioning the guide, marking the cut line, and performing the cut.

4. MAINTENANCE

Proper maintenance ensures the longevity and continued accuracy of your WPL Metal Pipe Cutting Guide.

- **Cleaning:** After each use, wipe down the guide to remove any metal dust, debris, or cutting residue. A dry cloth is usually sufficient. Avoid abrasive cleaners that could damage the surface finish.
- **Storage:** Store the cutting guide in a dry environment to prevent rust. Keep it away from excessive moisture and corrosive substances.
- **Inspection:** Periodically inspect the guide for any signs of wear, damage, or deformation. Ensure the magnetic components are still strong and free of embedded metal particles.

5. TROUBLESHOOTING

If you encounter issues while using the cutting guide, consider the following:

- **Inaccurate Cuts:**
 - Ensure the guide is the correct size for the pipe (2-7/8 inches).
 - Verify the guide is seated tightly and not shifting during marking or cutting.
 - Check that the pipe itself is stable and not moving.
- **Guide Slipping:**
 - Clean the pipe surface and the guide's magnetic areas thoroughly to ensure maximum magnetic adhesion.
 - Ensure the pipe material is magnetic. This guide is designed for magnetic metal pipes.
- **Difficulty Marking:**
 - Use a high-contrast marking tool suitable for the pipe material and color.
 - Ensure adequate lighting for clear visibility of the guide's edges.

6. SPECIFICATIONS

Attribute	Detail
Manufacturer	WPL
Model Number	2-7/8 "
Size	2-7/8 " (for pipes with 2-7/8" outer diameter)
Color	Blue
Material	Metal (Premium Steel)
Cutting Angles Supported	22.5°, 45°, 90°, Saddle Cuts
Power Source	Hand-powered (guide for manual/power tools)
Item Weight	331 g
Included Components	2-7/8 " Pipe Cutting Guide
Parcel Dimensions	21.89 x 16.21 x 9.8 cm

Metal Pipe Cutting Guide Size

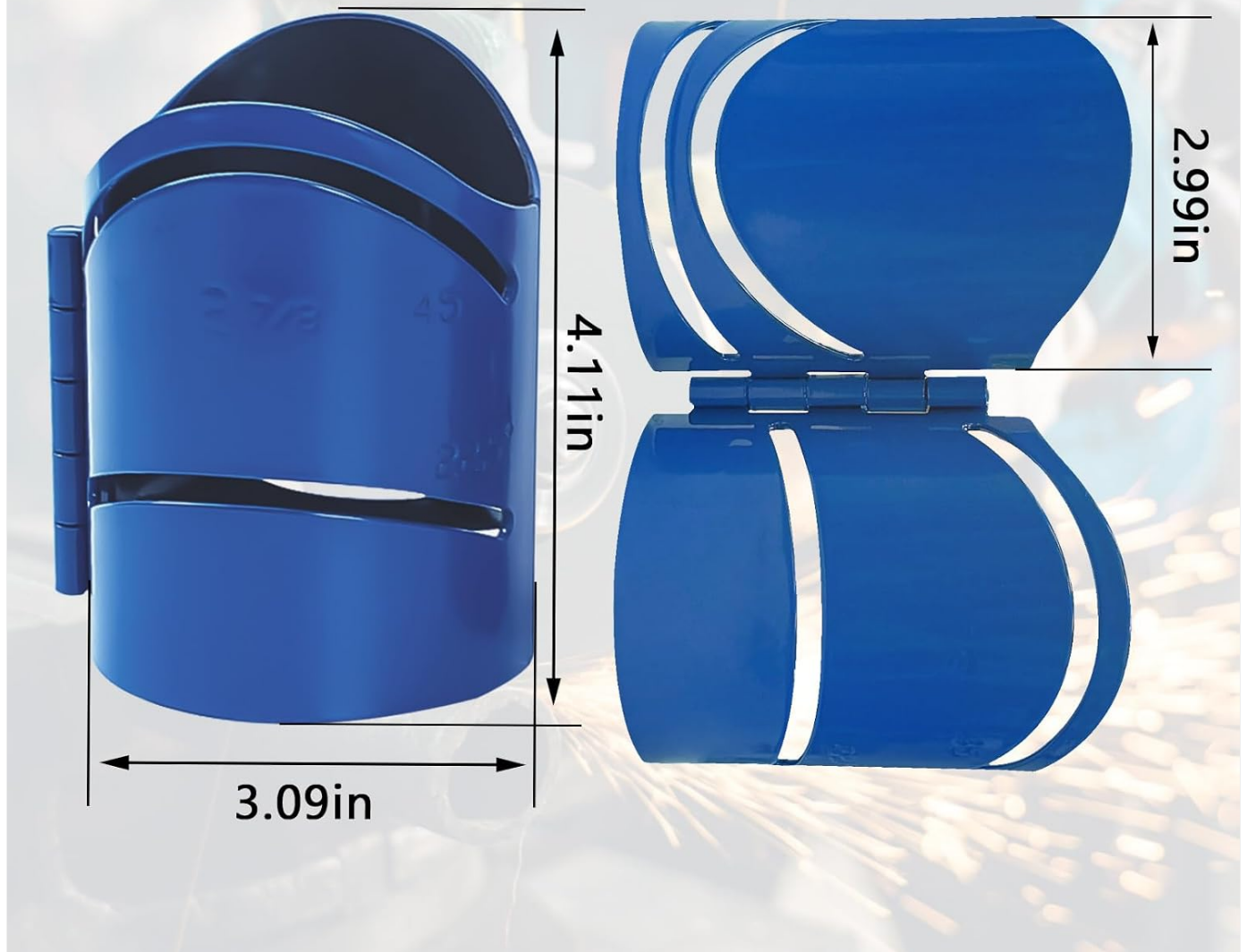


Image 4: Detailed dimensions of the WPL 2-7/8 inch Metal Pipe Cutting Guide.

7. WARRANTY AND SUPPORT

No specific warranty information is provided in the product details. For any product-related inquiries, technical support, or warranty claims, please contact the manufacturer, WPL, directly through their official channels or the retailer from whom the product was purchased.

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