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## Faithfull FAIPC642

# Faithfull FAIPC642 6-42mm Pipe Cutter User Manual

Model: FAIPC642

## INTRODUCTION

This manual provides essential instructions for the safe and effective use of your Faithfull FAIPC642 6-42mm Pipe Cutter. Please read this manual thoroughly before operation to ensure proper handling, maintenance, and to achieve optimal cutting results. This tool is designed for cutting copper, brass, aluminium, and light gauge steel tubes.

## SAFETY INFORMATION

Always observe basic safety precautions when using hand tools to reduce the risk of injury.

- Wear appropriate personal protective equipment, such as safety glasses, to protect against flying debris.
- Ensure the workpiece is securely clamped or held to prevent movement during cutting.
- Keep hands and fingers clear of the cutting wheel and deburring blade.
- Do not force the tool; allow the cutting wheel to do the work.
- Inspect the tool before each use for any damage or wear. Do not use a damaged tool.
- Store the pipe cutter in a dry, safe place out of reach of children.

## PRODUCT OVERVIEW

The Faithfull FAIPC642 pipe cutter is an adjustable tool featuring a steel cutting wheel, steel rollers, and a retractable deburrer.



**Figure 1:** Faithfull FAIPC642 6-42mm Pipe Cutter. This image shows the blue body of the pipe cutter, the black adjustment knob, the cutting wheel, and the rollers. The red band on the knob indicates the 6-42mm cutting capacity.

### Key Components:

- **Adjustment Knob:** Used to open and close the jaws and apply pressure to the cutting wheel.
- **Cutting Wheel:** The sharp blade that scores and cuts the pipe.
- **Rollers:** Support the pipe and allow it to rotate smoothly during cutting.
- **Retractable Deburrer:** A small blade used to remove internal burrs from the cut pipe end.

### SETUP

1. **Inspect the Tool:** Before each use, check the cutting wheel for sharpness and ensure all components are free from damage or excessive wear.
2. **Prepare the Pipe:** Mark the desired cut line on the pipe. Ensure the pipe surface is clean and free of obstructions.
3. **Adjust Jaw Opening:** Rotate the adjustment knob counter-clockwise to open the pipe cutter jaws wide enough to fit over the pipe.

### OPERATING INSTRUCTIONS

1. **Position the Pipe:** Place the pipe between the rollers and the cutting wheel, aligning the marked cut line with the cutting wheel.
2. **Initial Tightening:** Rotate the adjustment knob clockwise until the cutting wheel makes light contact with the pipe. Do not overtighten.
3. **First Rotation:** Rotate the pipe cutter completely around the pipe, ensuring the cutting wheel scores the pipe evenly along the marked line.
4. **Gradual Tightening and Rotation:** After each full rotation, tighten the adjustment knob slightly (about a quarter to half turn) to apply more pressure to the cutting wheel. Continue rotating the cutter around the pipe and tightening gradually.
5. **Complete the Cut:** Repeat the tightening and rotating process until the pipe is cleanly cut through. A clean cut requires patience and gradual pressure.

6. **Remove the Pipe:** Once the cut is complete, rotate the adjustment knob counter-clockwise to release the pipe.
7. **Deburring (Optional):** Extend the retractable deburrer blade. Insert it into the freshly cut end of the pipe and rotate it to remove any internal burrs, ensuring a smooth flow and proper fitting.

## MAINTENANCE

- **Cleaning:** After each use, wipe down the pipe cutter with a clean, dry cloth to remove any metal shavings or debris.
- **Lubrication:** Periodically apply a light oil to the adjustment screw threads and rollers to ensure smooth operation.
- **Cutting Wheel Replacement:** If the cutting wheel becomes dull or chipped, it should be replaced. Consult a qualified technician or refer to specific replacement instructions for your model.
- **Storage:** Store the tool in a dry environment to prevent rust and corrosion.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Uneven or crooked cut	Pipe not properly aligned; uneven pressure applied; cutting wheel dull.	Ensure pipe is square to the cutter. Apply even pressure. Replace cutting wheel if dull.
Difficulty cutting through pipe	Insufficient pressure; dull cutting wheel; attempting to cut material beyond capacity.	Apply more gradual pressure. Replace cutting wheel. Verify pipe material is within tool's capacity.
Excessive burr on pipe interior	Deburrer not used or ineffective.	Utilize the retractable deburrer after cutting. Ensure deburrer blade is sharp.
Adjustment knob stiff or difficult to turn	Lack of lubrication; debris in threads.	Clean threads and apply light lubricant.

## SPECIFICATIONS

- **Model:** FAIPC642
- **Brand:** Faithfull
- **Cutting Capacity:** 6 - 42mm outside diameter
- **Compatible Materials:** Copper, brass, aluminium, light gauge steel tube
- **Components:** Adjustable design, steel cutting wheel, steel rollers, retractable de-burrer
- **Item Weight:** Approximately 10.6 ounces (300 grams)
- **Product Dimensions:** Approximately 1.57 x 2.76 x 8.66 inches (4 x 7 x 22 cm)

## WARRANTY AND SUPPORT

Faithfull non-electrical tools are guaranteed for a period of **FIVE years** against faulty materials or workmanship. This guarantee ensures long and dependable service for the discerning tool buyer.

For support or warranty claims, please contact your retailer or the manufacturer directly, providing proof of purchase and details of the issue.



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