

## Rothenberger 70027

# Rothenberger Tube Cutter 35 Pro (Model 70027) Instruction Manual

Comprehensive guide for safe and effective use of your Rothenberger Tube Cutter 35 Pro.

## 1. INTRODUCTION

The Rothenberger Tube Cutter 35 Pro is a precision tool designed for cutting various types of tubing. This manual provides essential information for the safe operation, maintenance, and troubleshooting of your tube cutter. Please read this manual thoroughly before first use and retain it for future reference.



Image 1.1: The Rothenberger Tube Cutter 35 Pro, a red and black tool designed for cutting pipes, shown with a copper pipe inserted.

## 2. SAFETY INFORMATION

Always observe basic safety precautions to reduce the risk of injury when using this tool.

- **Wear appropriate personal protective equipment (PPE)**, including safety glasses, to protect against flying debris.
- **Ensure a stable work surface** and secure the tubing if necessary to prevent movement during cutting.
- **Keep hands and fingers clear** of the cutting wheel and rotating parts.
- **Do not force the tool.** Allow the cutting wheel to do the work. Excessive force can damage the tool or the workpiece.
- **Inspect the tool before each use** for any damage or wear. Do not use a damaged tool.
- **Keep children and bystanders away** from the work area.

## 3. PRODUCT FEATURES

The Rothenberger Tube Cutter 35 Pro offers several features designed for efficient and precise tube cutting:

- **Material Saving Design:** Allows cutting close to flares, minimizing material waste.
- **Spare Cutter Wheel:** A spare cutting wheel is conveniently stored within the handle.
- **Retractable Internal Deburrer:** For clean, smooth finishes after cutting.
- **Lightweight and Robust:** Constructed with a durable magnesium body for strength and ease of handling.
- **Ergonomic Design:** Provides comfortable grip and control during operation.

# TUBE CUTTER 35

- ✓ Material saving
- ✓ Spare cutter wheel in handle Easy turning of the knob
- ✓ Retractable internal deburrer
- ✓ Lightweight and robust due to its magnesium body



Image 3.1: Diagram highlighting key features of the Tube Cutter 35 Pro, including material saving, spare cutter wheel, retractable deburrer, and lightweight magnesium body.

## 4. SETUP AND PREPARATION

Before using the tube cutter, ensure the following:

1. **Inspect the Cutting Wheel:** Verify that the cutting wheel is sharp and free from damage. Replace if necessary (refer to Maintenance section).
2. **Clean the Tubing:** Ensure the tube to be cut is clean and free of dirt or debris that could affect the cut quality

or damage the wheel.

3. **Mark the Cut Line:** Clearly mark the desired cut location on the tubing.

## 5. OPERATING INSTRUCTIONS

---

### 5.1 Cutting Tubing

1. **Open the Cutter:** Rotate the adjustment knob counter-clockwise to open the jaws of the tube cutter wide enough to accommodate the tubing.
2. **Position the Tubing:** Place the tubing between the rollers and the cutting wheel, aligning the marked cut line with the cutting wheel. Ensure the tubing is seated squarely.
3. **Tighten the Knob:** Rotate the adjustment knob clockwise until the cutting wheel makes light contact with the tubing. Do not overtighten.
4. **Rotate the Cutter:** Rotate the tube cutter around the tubing, applying slight pressure by turning the adjustment knob clockwise a quarter turn after each full rotation. Continue this process until the tubing is completely cut through.
5. **Remove the Tubing:** Once the cut is complete, rotate the adjustment knob counter-clockwise to release the tubing.

# SMOOTH, ACCURATE TUBE CUTTING

Engineered for precision with  
a self-centering clamp and  
finely ground cutter wheel,  
handling 6-35 mm (  $\frac{1}{4}$  -  $1\frac{3}{8}$  in. )  
tubes with effortless control



Image 5.1: The Rothenberger Tube Cutter 35 Pro positioned on a copper pipe, illustrating the initial setup for a smooth, accurate cut.



## ENGINEERED FOR TOUGH CUTS AND CLEAN FINISHES

Image 5.2: A professional demonstrating the use of the Rothenberger Tube Cutter 35 Pro to cut a copper pipe, ensuring tough cuts and clean finishes.

### 5.2 Deburring the Cut Edge

After cutting, the internal edge of the tube may have a burr. The integrated deburrer can be used to remove this for a smooth finish.

1. **Extend the Deburrer:** Locate the retractable deburrer on the tool. Pull it out until it locks into position.
2. **Insert into Tube:** Insert the deburrer into the freshly cut end of the tubing.
3. **Rotate and Apply Pressure:** Rotate the deburrer tool inside the tube while applying light pressure. Continue until the burr is removed and the edge is smooth.
4. **Retract the Deburrer:** Push the deburrer back into its housing when finished.



# SEAMLESS FINISH WITH INTEGRATED DEBURRER

High-grade steel deburrer ensures clean, professional results on copper and aluminum.

Ideal for detail-critical work



Image 5.3: Close-up view of the integrated deburrer on the Rothenberger Tube Cutter 35 Pro, designed for achieving a seamless finish on cut pipes.

## 6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Rothenberger Tube Cutter 35 Pro.

### 6.1 Cleaning

- After each use, wipe down the tool with a clean, dry cloth to remove any metal shavings or debris.
- Ensure the cutting wheel and rollers are free of obstructions.

### 6.2 Replacing the Cutting Wheel

The cutting wheel is a wear part and will need to be replaced when it becomes dull or damaged.

1. **Locate Spare Wheel:** A spare cutting wheel is stored in the handle of the tool. Unscrew the end cap to access it.
2. **Remove Old Wheel:** Use a small screwdriver or appropriate tool to carefully remove the pin holding the old cutting wheel in place. Remove the old wheel.

- 3. **Install New Wheel:** Place the new cutting wheel into position and reinsert the pin. Ensure it is securely seated.
- 4. **Secure Spare Wheel:** If you used the spare, ensure the end cap is screwed back on securely.

6.3 Lubrication

- Periodically apply a small amount of light machine oil to the adjustment screw threads and the pivot points of the rollers to ensure smooth operation.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Uneven or rough cut	Dull or damaged cutting wheel; insufficient pressure; tubing not seated squarely.	Replace cutting wheel; apply more consistent pressure; ensure tubing is properly aligned.
Difficulty rotating cutter	Too much pressure applied; dry adjustment screw/rollers; debris in mechanism.	Reduce pressure; lubricate adjustment screw and rollers; clean tool thoroughly.
Burr remains after deburring	Deburrer not fully extended; insufficient rotation or pressure.	Ensure deburrer is locked in place; apply more rotation and light pressure.

8. SPECIFICATIONS




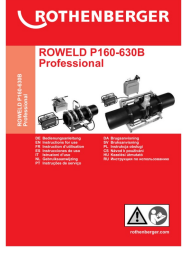


Feature	Detail
Model Number	70027
Cutting Capacity (OD)	1/4" - 1-3/8" (6 - 35 mm)
Compatible Materials	Copper, Brass, Aluminum, Thin-Walled Steel
Body Material	Magnesium
Integrated Features	Retractable Deburrer, Spare Cutter Wheel Storage
Product Dimensions	11.02 x 11.02 x 7.09 inches
Item Weight	1.54 pounds
Manufacturer	Rothenberger

9. WARRANTY AND SUPPORT

Rothenberger products are manufactured to high-quality standards. For specific warranty information and customer support, please refer to the official Rothenberger website or contact their customer service directly. Keep your proof of purchase for any warranty claims.

**Manufacturer Website:** [www.rothenberger.com](http://www.rothenberger.com)



	<p><a href="#">ROWELD P 160 Saniline Pipe Welding Machine - ROTHENBERGER</a></p> <p>User manual and technical specifications for the ROTHENBERGER ROWELD P 160 Saniline pipe welding machine, covering safety, operation, maintenance, and disposal. Includes detailed instructions and data for professional pipe welding.</p>
	<p><a href="#">ROTHENBERGER R600 VarioClean Pipe Cleaning Machine</a></p> <p>The ROTHENBERGER R600 VarioClean is a versatile and powerful pipe cleaning machine designed for unblocking, cleaning, and spinning pipes. It features VarioClean-Electronic for optimal adaptation to blockages, an integrated LED light for improved visibility, and a robust 18V CAS battery system for extended runtime. With a brushless motor and a wide range of accessories, it ensures efficient, durable, and professional pipe maintenance.</p>
	<p><a href="#">ROTHENBERGER SUPERTRONIC 2-3-4 SE Pipe Threading Machine Instructions</a></p> <p>Comprehensive instructions for the ROTHENBERGER SUPERTRONIC 2-3-4 SE pipe threading machine, covering operation, maintenance, and safety.</p>
	<p><a href="#">ROWELD P160-630B Professional Bedienungsanleitung</a></p> <p>Umfassende Bedienungsanleitung für die ROTHENBERGER ROWELD P160-630B Professional Stumpfschweißmaschine. Enthält detaillierte Informationen zu Sicherheit, technischen Daten, Inbetriebnahme, Bedienung, Wartung und Entsorgung für PE-, PP- und PVDF-Rohre.</p>
	<p><a href="#">Rothenberger RP 30 Pressure Test Pump Instructions for Use</a></p> <p>This document provides instructions for the safe and effective operation of the Rothenberger RP 30 pressure test pump. It includes operating procedures, maintenance guidelines, and a parts list.</p>
	<p><a href="#">Rothenberger R600 VarioClean: Instructions for Use and Safety</a></p> <p>Comprehensive guide to the Rothenberger R600 VarioClean drain cleaner, covering operation, safety, maintenance, and technical specifications. Includes information on batteries and chargers.</p>