

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

> [VRTYVEYBB](#) /

> [VRTYVEYBB CT-301 Manual Copper Tube Rounder Instruction Manual](#)

VRTYVEYBB CT-301

VRTYVEYBB CT-301 Manual Copper Tube Rounder Instruction Manual

Model: CT-301

1. INTRODUCTION

This manual provides comprehensive instructions for the safe and effective use of your VRTYVEYBB CT-301 Manual Copper Tube Rounder. This versatile tool is designed to efficiently restore flattened or damaged copper and aluminum tubes to their original circular diameter, enhancing pipe durability and performance. Please read this manual thoroughly before operating the tool and retain it for future reference.

2. SAFETY INFORMATION

Always prioritize safety when using any hand tool. Failure to follow these safety guidelines may result in injury or damage to the tool or workpiece.

- Wear appropriate personal protective equipment, such as safety glasses, to protect against potential debris.
- Ensure the workpiece (tube) is securely held and stable before applying pressure with the tool.
- Do not use excessive force. The tool is designed for manual operation with an extended lever for leverage.
- Keep hands and fingers clear of the jaws during operation to prevent pinching.
- Inspect the tool for any damage or wear before each use. Do not use a damaged tool.
- Keep the tool clean and free of grease or oil to maintain a secure grip.
- Store the tool in a dry, secure place, out of reach of children.

3. PRODUCT OVERVIEW

The VRTYVEYBB CT-301 is a robust manual tool constructed from high-quality aluminum alloy, designed for long-lasting performance. It features a versatile design with six different diameter openings to accommodate various tube sizes. The extended lever rod provides enhanced leverage, making the tube rounding process efficient and less strenuous.



Image 1: The VRTYVEYBB CT-301 Manual Copper Tube Rounder, showing its overall design and multiple sizing holes.

For 1/4", 3/8", 1/2", 5/8", 3/4", 7/8"

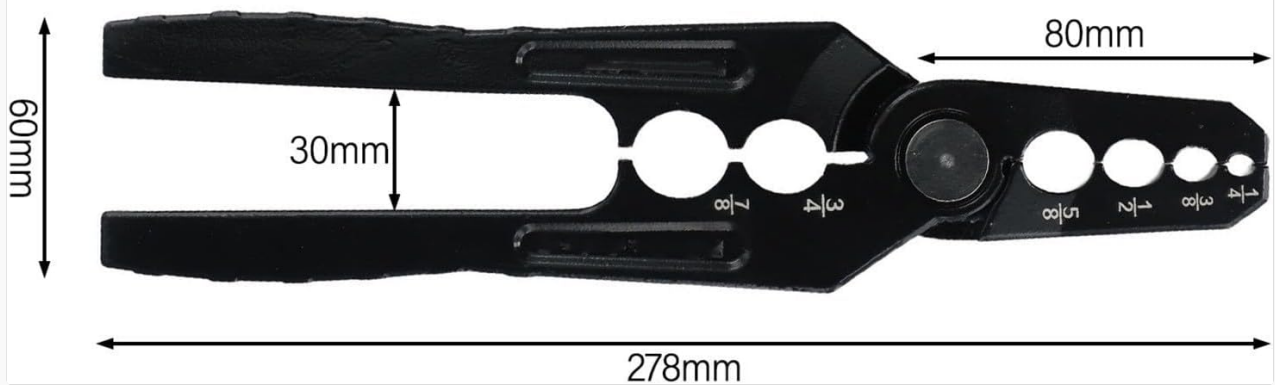


Image 2: Close-up view of the CT-301 tube rounder with a copper tube partially inserted into one of the sizing holes, demonstrating its intended use.

Key Features:

- **Versatile Sizing:** Supports 6 common tube diameters: 1/4", 3/8", 1/2", 5/8", 3/4", and 7/8".
- **Efficient Repair:** Designed to quickly restore flattened copper and aluminum tubes.
- **Ergonomic Design:** Features an extended lever rod for reduced effort and improved control.
- **Durable Construction:** Made from premium aluminum alloy for long-lasting use.
- **Manual Operation:** Provides accuracy and control for various pipe materials.

4. SPECIFICATIONS

Attribute	Detail
Product Name	Copper Tube Repairer
Model	CT-301
Material	Aluminum Alloy
Color	Black
Supported Diameters	1/4", 3/8", 1/2", 5/8", 3/4", 7/8"
Jaw Length	80mm (approximately 3.15 inches)
Product Dimensions	3.94 x 3.15 x 1.57 inches
Item Weight	1.06 pounds (480 Grams)
Manufacturer	VRTYVEYBB

Product Details



Image 3: Diagram illustrating the key dimensions of the CT-301 Manual Copper Tube Rounder, including overall length and jaw width.

5. SETUP

The VRTYVEYBB CT-301 Manual Copper Tube Rounder requires minimal setup. It is ready for use directly out of the package.

- **Inspection:** Before first use, visually inspect the tool for any signs of damage from shipping. Ensure the pivot point moves freely and the jaws align correctly.
- **Cleanliness:** Wipe down the tool with a clean, dry cloth to remove any manufacturing residues or dust.
- **Work Area:** Prepare a clean and stable work area. Ensure adequate lighting and ventilation.

6. OPERATING INSTRUCTIONS

Follow these steps to effectively round copper or aluminum tubes using the CT-301 tool:

1. **Identify Tube Size:** Determine the exact outer diameter of the tube you intend to round.
2. **Select Correct Opening:** Locate the corresponding diameter opening on the CT-301 tool. The tool is marked with sizes: 1/4", 3/8", 1/2", 5/8", 3/4", and 7/8".



Image 4: A detailed view of the CT-301 tool's jaws, highlighting the clearly marked diameter openings for various tube sizes.

3. **Insert Tube:** Carefully insert the flattened or damaged section of the tube into the selected opening. Ensure the tube is centered within the opening.
4. **Apply Pressure:** Grip the handles of the tool firmly. Slowly and steadily close the handles, applying even pressure. The extended lever rod is designed to provide ample leverage, so excessive force should not be necessary.



Image 5: The CT-301 tool in action, showing a copper tube being rounded within one of the tool's diameter openings.

5. **Check Progress:** Open the handles slightly and inspect the tube. If it has not fully rounded, reposition the tube slightly and apply pressure again. Repeat this process until the tube regains its desired circular shape.
6. **Remove Tube:** Once the tube is rounded, fully open the handles and carefully remove the tube from the tool.

The CT-301 is effective for repairing minor deformations and restoring the original shape of tubes for proper fitting and function.



Image 6: Visual comparison showing a flattened copper tube and a tube successfully rounded using the tool, demonstrating the repair capability.

Detail Display

Product details



Image 7: The CT-301 tool in a practical application, being used to round a copper pipe during an installation or repair scenario.

7. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your CT-301 Manual Copper Tube Rounder.

- **Cleaning:** After each use, wipe the tool clean with a dry cloth to remove any metal shavings, dust, or debris. For stubborn grime, a slightly damp cloth can be used, followed by thorough drying.
- **Lubrication:** Periodically apply a small amount of light machine oil to the pivot point to ensure smooth operation. Wipe off any excess oil.
- **Storage:** Store the tool in a dry environment to prevent corrosion. Keep it in a toolbox or on a tool rack where it is protected from impacts and moisture.
- **Inspection:** Regularly inspect the jaws and handles for any signs of wear, cracks, or deformation. If significant damage is observed, discontinue use.

8. TROUBLESHOOTING

If you encounter issues while using your CT-301 tool, consider the following common problems and solutions:

- **Tube not rounding effectively:**
 - Ensure you are using the correct diameter opening for your tube size.
 - Verify the tube material is copper or aluminum, as the tool is not designed for harder metals.
 - Apply steady, even pressure. Multiple compressions may be needed for severely flattened tubes.
- **Tool feels stiff or difficult to operate:**
 - Check the pivot point for debris. Clean and apply a small amount of lubricant if necessary.
 - Ensure the handles are not obstructed.
- **Tube gets stuck in the tool:**
 - Ensure the tool handles are fully opened before attempting to remove the tube.
 - Gently wiggle the tube while pulling it out. Avoid forcing it.

9. WARRANTY INFORMATION

Warranty information for the VRTYVEYBB CT-301 Manual Copper Tube Rounder is not specified in the provided product details. Please refer to your purchase documentation or contact the seller directly for details regarding warranty coverage.

10. SUPPORT

For further assistance, questions, or to explore other products from VRTYVEYBB, please visit the official VRTYVEYBB store:

[VRTYVEYBB Official Store](#)