

## Flange Wizard 72805

# Flange Wizard 72805 Radius Marker Instruction Manual

Model: 72805

## INTRODUCTION

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The Flange Wizard 72805 Radius Marker is a precision tool designed for accurate layout and marking of radii and circles. Constructed from rust-proof aluminum and anodized for lasting protection, this tool ensures durability and reliability in various industrial applications. Its folding design allows for convenient portability, fitting into a shirt pocket. The sturdy friction joints maintain rigidity and accuracy during use, and the holder is compatible with both flat and round soapstone or pencils.

## PRODUCT FEATURES

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- **Precision Construction:** Made from rust-proof aluminum and anodized for enhanced protection and longevity.
- **Versatile Holder:** Accommodates both flat and round soapstone or pencils for marking.
- **Folding Design:** Compact and portable, designed to fit conveniently into a shirt pocket.
- **Sturdy Friction Joints:** Ensures rigidity and accuracy, maintaining desired settings during operation.

## WHAT'S IN THE BOX

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The package for the Flange Wizard 72805 Radius Marker typically includes:

- One (1) Flange Wizard 72805 Radius Marker

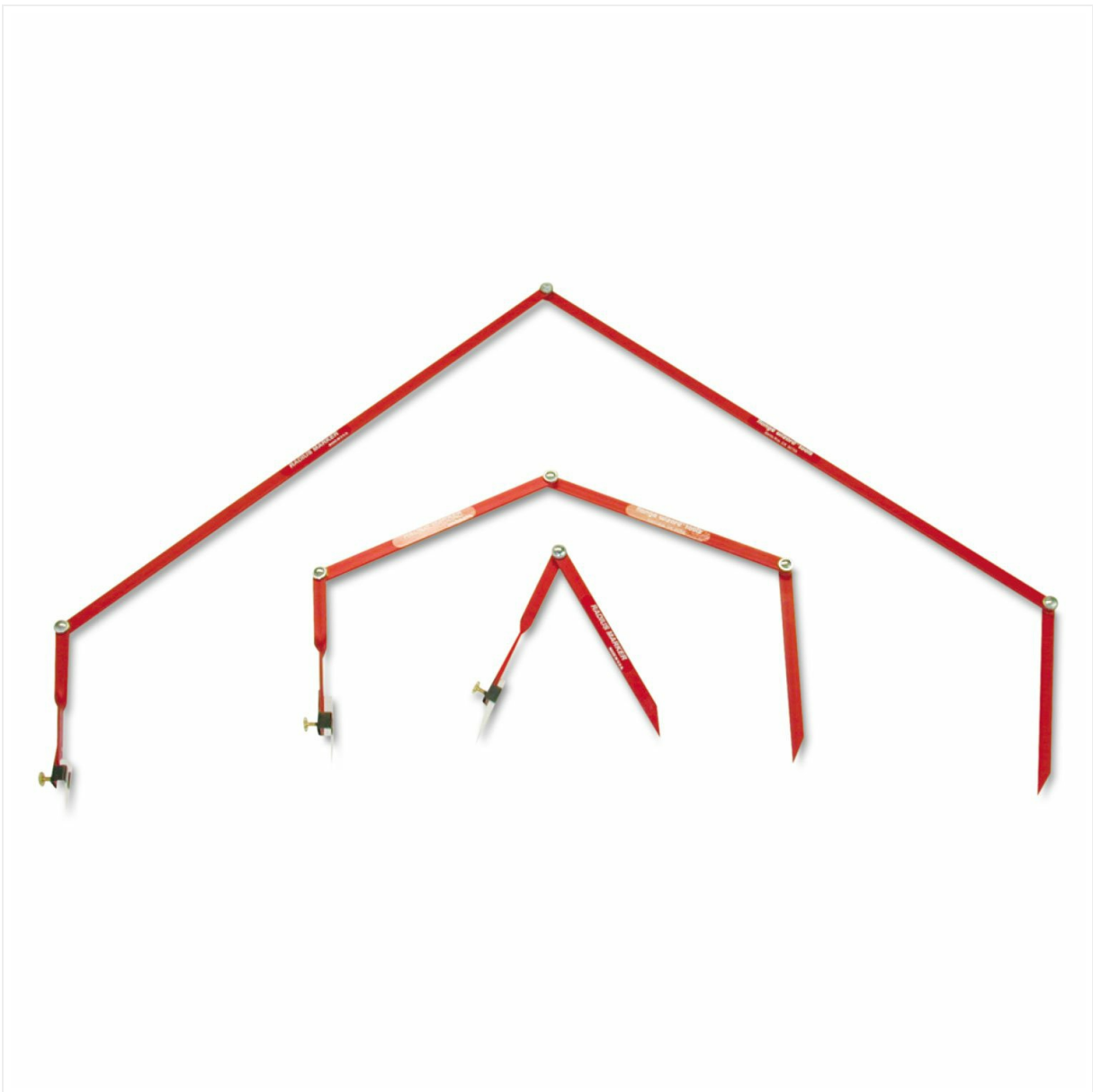


Image: The Flange Wizard 72805 Radius Marker in its folded and extended configurations, showcasing its design for marking circles and radii.

## SETUP

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1. **Unfold the Marker:** Gently unfold the radius marker to its desired configuration. The sturdy friction joints allow for various angles and extensions.
2. **Insert Marking Tool:** Locate the holder designed for marking tools. Insert either a flat or round soapstone or a pencil into the holder. Ensure it is securely fastened to prevent movement during marking.
3. **Adjust for Radius:** Extend the arms of the marker to achieve the desired radius. The friction joints should hold the arms firmly in place once adjusted.

## OPERATING INSTRUCTIONS

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1. **Prepare Surface:** Ensure the surface to be marked is clean and free of obstructions.
2. **Set Center Point:** Identify and mark the center point of your desired circle or arc on the workpiece.
3. **Position Marker:** Place the pivot point of the radius marker precisely on the center point.
4. **Draw Arc/Circle:** While maintaining firm pressure on the pivot point, rotate the marker arm with the soapstone or pencil around the center point to draw the desired arc or full circle. Apply consistent pressure to the marking tool for a clear and uniform line.

5. **Verify Measurement:** After marking, verify the radius or diameter using a measuring tape or ruler to ensure accuracy.

## MAINTENANCE

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- **Cleaning:** After each use, wipe down the radius marker with a clean, dry cloth to remove any dust, debris, or marking residue. Avoid abrasive cleaners that could damage the anodized finish.
- **Joint Inspection:** Periodically inspect the friction joints for any signs of loosening or wear. While designed for rigidity, consistent heavy use may require occasional adjustment or tightening if the tool begins to lose its ability to hold position.
- **Storage:** Store the radius marker in a clean, dry environment. Its folding design allows for compact storage, protecting it from potential damage.
- **Rust Prevention:** The tool is made of rust-proof aluminum, but prolonged exposure to moisture or harsh chemicals should be avoided to maintain its integrity and appearance.

## TROUBLESHOOTING

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If you encounter issues with your Flange Wizard 72805 Radius Marker, consider the following:

- **Marker Not Holding Position:**
  - Ensure the friction joints are clean and free of debris that might impede their grip.
  - Check if the joints require tightening. While designed to be sturdy, over time or with heavy use, they might need minor adjustment.
  - Verify that the marking tool (soapstone/pencil) is securely inserted and not causing imbalance.
- **Inaccurate Markings:**
  - Confirm the pivot point is precisely on the center of your desired radius.
  - Ensure consistent pressure is applied to both the pivot and the marking tool during rotation.
  - Check for any play in the joints that might lead to deviation.
  - Verify the marking tool itself is sharp and providing a clear line.

## SPECIFICATIONS

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Feature	Detail
Brand	Flange Wizard
Model Number	496-72805
ASIN	B01KWILEJK
Product Dimensions	12.37 x 3.82 x 1.87 inches
Item Weight	Approximately 0.01 ounces
Material	Rust-proof aluminum, anodized
Holder Compatibility	Flat or round soapstone, pencils
Manufacturer	Flange Wizard
First Available Date	July 21, 2010

## WARRANTY AND SUPPORT

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For information regarding warranty coverage, technical support, or replacement parts for your Flange Wizard 72805 Radius Marker, please refer to the official Flange Wizard website or contact their customer service directly. Specific warranty terms may vary and are typically provided with the product at the time of purchase.



Image: Official Flange Wizard company logo.