



[Manuals.plus](#) /

> [RIDGID](#) /

> RIDGID 31175 Model 1017 Fold Over Basin Adjustable 10" To 17" Pipe Wrench User Manual

RIDGID 31175

RIDGID 31175 Model 1017 Fold Over Basin Adjustable Pipe Wrench User Manual

Model: 31175 (Model 1017) | Brand: RIDGID

INTRODUCTION

This manual provides essential information for the safe and effective use of your RIDGID 31175 Model 1017 Fold Over Basin Adjustable Pipe Wrench. Please read and understand all instructions before operation to ensure proper functionality and safety.

PRODUCT FEATURES

- **Spring-Loaded Jaws:** Made of tough forged alloy steel, providing fast, one-hand ratcheting action.
- **Adjustable Head Angle:** A tension plug allows the head to be held in any position up to a 90-degree angle for versatile access.
- **Telescopic Shank:** Quickly adjusts in length from 10 inches to 17 inches, extending reach in confined spaces.
- **Compact Design:** Ideal for use in tight spaces and under-sink applications where traditional wrenches may not fit.
- **Pipe Capacity:** Capable of gripping pipes and nuts from 3/8-inch (10 mm) to 1-1/4-inch (32 mm).

RIDGID

Telescoping Basin Wrench

Built to Hold Pipe Capacity of 3/8-in to 1 1/4-in

Built to hold pipe with capacity diameter 3/8-in. to 1 1/4-in

Telescopic shank quickly adjusts from 10-in. to 17-in.

Easy one-hand ratcheting with alloy steel jaws

Ideal for use in tight or restricted areas

Convenient hold of the head, any position up to 90-degree angle

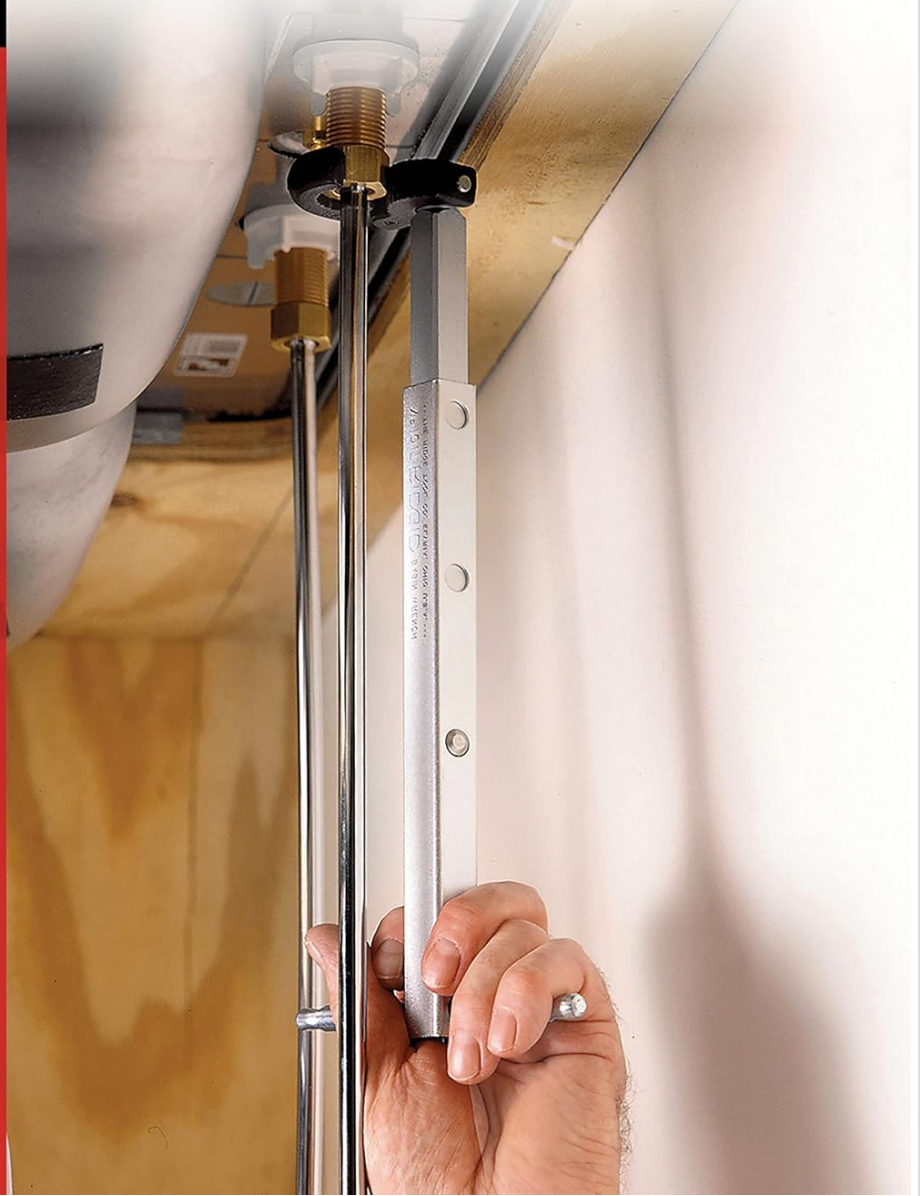


Image: Overview of the RIDGID Telescoping Basin Wrench, showing its key features including pipe capacity, telescopic shank, and one-hand ratcheting jaws.

SETUP

The RIDGID 31175 Model 1017 Basin Wrench is designed for immediate use with minimal setup. Ensure the tool is clean and free of debris before each use.

- 1. Inspect the Wrench:** Before first use, and periodically thereafter, inspect the wrench for any signs of damage, wear, or corrosion. Ensure the spring-loaded jaws operate smoothly and the tension plug holds the head securely.
- 2. Adjust Shank Length:** The telescopic shank can be adjusted to the desired length (10 to 17 inches) by pulling or pushing the two sections apart or together. This allows for optimal reach in various applications.
- 3. Position the Head:** The head of the wrench can be angled up to 90 degrees using the tension plug. Adjust the head to provide the best access and leverage for the specific nut or pipe fitting you are working on.

Telescopic Shank

Quickly Adjusts From 10-in. to 17-in.



Image: The telescopic shank of the RIDGID Basin Wrench, illustrating its adjustability for different reach requirements.

OPERATING INSTRUCTIONS

Follow these steps for effective and safe operation of your basin wrench:

1. **Identify the Target:** Locate the nut or fitting that needs to be tightened or loosened, typically found in tight spaces under sinks or behind fixtures.
2. **Adjust Length and Angle:** Extend the telescopic shank and adjust the head angle as needed to comfortably reach the target. The ability to angle the head up to 90 degrees is crucial for accessing difficult areas.
3. **Engage the Jaws:** Position the spring-loaded jaws around the nut. The one-hand ratcheting mechanism allows for quick engagement and disengagement. Ensure the jaws firmly grip the nut to prevent slipping and damage.
4. **Apply Torque:** Once the jaws are securely engaged, apply rotational force to the wrench handle. For loosening, turn counter-clockwise; for tightening, turn clockwise. The ratcheting action allows for continuous turning without repositioning the wrench on the nut.
5. **Monitor Progress:** Continue turning until the nut is sufficiently tightened or loosened. Be mindful of overtightening, which can damage pipes or fittings.

Spring-Loaded Jaws

Forged of Alloy Steel To Provide Easy, One-Hand Ratcheting



Allows for fast
and easy one-
hand ratcheting

RIDGID

Image: Close-up of the spring-loaded jaws of the RIDGID Basin Wrench, demonstrating their ability to grip and ratchet on a pipe fitting.

Great for Tight Spaces

Ideal For Use In Tight or Restricted Areas



Image: The RIDGID Basin Wrench being used in a confined under-sink environment, showcasing its utility in tight spaces.

Your browser does not support the video tag.

Video: Official RIDGID demonstration of the 31175 Telescoping Basin Wrench, showing its features and how it is used for under-sink applications.

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your RIDGID Basin Wrench:

- **Cleaning:** After each use, wipe down the wrench with a clean cloth to remove dirt, grease, and moisture.
- **Lubrication:** Periodically apply a light coat of machine oil to the moving parts, especially the spring-loaded jaws and the telescoping shank, to ensure smooth operation and prevent rust.
- **Storage:** Store the wrench in a dry place to prevent corrosion. Keep it away from corrosive chemicals.
- **Inspection:** Regularly check for any signs of wear, damage, or loose components. Replace or repair parts as necessary.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Jaws not gripping securely	Jaws are dirty or worn; incorrect positioning.	Clean jaws thoroughly. Ensure jaws are fully engaged on the nut. If jaws are excessively worn, consider professional repair or replacement.
Telescopic shank is stiff or stuck	Accumulation of dirt/debris; lack of lubrication; minor corrosion.	Clean the shank thoroughly. Apply a penetrating lubricant and work the shank back and forth until it moves freely.
Head does not hold position	Tension plug is loose or worn.	Check the tension plug. If it's loose, try to tighten it if possible. If worn, contact RIDGID support for assistance.

SPECIFICATIONS

Attribute	Value
Brand	RIDGID
Model Number	31175 (Model 1017)
Material	Alloy Steel
Item Length	10 to 17 Inches (Adjustable)
Item Weight	1.98 pounds (0.9 Kilograms)
Pipe Capacity	3/8-inch (10 mm) to 1-1/4-inch (32 mm)
Head Style	C Shaped
Finish Type	Painted
Operation Mode	Mechanical
Country of Origin	China
UPC	095691311757

WARRANTY

RIDGID covers its products with a lifetime warranty against defects in material or workmanship for the normal life of the tool. For detailed warranty information and claims, please refer to the official RIDGID website or contact customer service.

SUPPORT

For further assistance, product inquiries, or technical support, please visit the official RIDGID website or contact their customer service department. Manuals and instructions for RIDGID products are available on the manufacturer's website.

RIDGID Official Website: www.ridgid.com

