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› RIDGID 32840 Model 4-S Heavy-Duty Pipe Cutter Instruction Manual

RIDGID 32840

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1. PRODUCT OVERVIEW

The RIDGID 32840 Model 4-S is a heavy-duty pipe cutter designed for efficient and clean cutting of steel pipes ranging from 2 inches (50 mm) to 4 inches (100 mm) in diameter. This tool can be operated by hand or with power assistance, offering versatility for various job site conditions. Its robust construction ensures durability and reliable performance.

Key Features:

- Designed for fast, clean pipe cutting.
- Extra-long shank protects adjustment threads.
- Extra-large handle for quick and easy adjustments.
- Second handle enables two-person leverage for larger pipe sizes.
- Convertible to a 3-wheel cutter for use in confined spaces.



Figure 1: The RIDGID 32840 Model 4-S Heavy-Duty Pipe Cutter. This image shows the robust design of the pipe cutter, highlighting its main components including the handle and cutting wheel mechanism.

2. SETUP AND ASSEMBLY

The RIDGID 32840 Model 4-S pipe cutter comes largely pre-assembled. Before initial use, inspect the tool for any shipping damage or loose components. Ensure the cutter wheel is securely installed and free from defects.

2.1 Adjusting for Pipe Size

1. Rotate the extra-large handle counter-clockwise to open the jaws of the cutter sufficiently to fit over the pipe.
2. Position the pipe between the cutter wheel and the rollers.
3. Rotate the handle clockwise to tighten the cutter onto the pipe until the cutter wheel makes firm contact with the pipe surface. Do not overtighten initially.

2.2 Converting to 3-Wheel Configuration

For cutting in tighter spaces where a complete rotation of the tool is not possible, the 4-S pipe cutter can be converted to a 3-wheel configuration. This involves replacing the standard rollers with additional cutter wheels (sold separately).

1. Carefully remove the existing rollers from the cutter frame. Refer to the diagram in the product packaging for specific roller removal instructions.
2. Install the replacement cutter wheels into the roller positions. Ensure they are securely fastened.
3. Verify that all three cutter wheels are aligned and can rotate freely before use.

3. OPERATING INSTRUCTIONS

Always wear appropriate personal protective equipment, including safety glasses and gloves, when operating the pipe cutter.

3.1 Single-Operator Use (Hand or Power)

1. Place the pipe cutter on the pipe at the desired cut location, ensuring the cutter wheel is aligned with the mark.
2. Tighten the handle until the cutter wheel makes firm contact with the pipe.
3. Rotate the cutter around the pipe, applying a small amount of pressure by tightening the handle after each full rotation. This gradual tightening ensures a clean, straight cut.
4. Continue rotating and tightening until the pipe is completely severed.
5. For power operation, attach a suitable power drive to the cutter and follow the power drive's instructions for rotation and feed.

3.2 Two-Operator Use for Large Pipes

For larger diameter pipes, the Model 4-S features a second handle to facilitate two-person leverage, providing greater control and reducing operator fatigue.

1. Position the pipe cutter as described in Section 3.1.
2. One operator holds the main handle, while the second operator uses the auxiliary handle to assist in rotating the cutter around the pipe.
3. Coordinate rotations and gradual tightening of the main handle to achieve a smooth and controlled cut.

4. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your RIDGID pipe cutter.

4.1 Cleaning

- After each use, clean the cutter to remove any metal shavings, dirt, or debris. Use a stiff brush or compressed air.
- Wipe down all metal surfaces with a clean cloth.

4.2 Lubrication

- Periodically apply a light machine oil to the adjustment threads and moving parts to ensure smooth operation and prevent corrosion.

4.3 Cutter Wheel Replacement

- A dull or chipped cutter wheel will result in poor quality cuts and increased effort. Replace the cutter wheel as soon as signs of wear are observed.

- To replace, loosen the screw holding the cutter wheel in place, remove the old wheel, and insert a new, genuine RIDGID replacement cutter wheel. Secure the screw firmly.

5. TROUBLESHOOTING

This section addresses common issues encountered during the operation of the pipe cutter.

5.1 Uneven or Jagged Cuts

- **Cause:** Dull or damaged cutter wheel.
- **Solution:** Inspect the cutter wheel for chips or excessive wear. Replace if necessary (refer to Section 4.3).
- **Cause:** Insufficient or uneven pressure during cutting.
- **Solution:** Ensure consistent, gradual tightening of the handle after each rotation. Maintain steady pressure.
- **Cause:** Pipe not properly secured or supported.
- **Solution:** Use a pipe stand or vise to stabilize the pipe during cutting.

5.2 Difficulty Rotating Cutter

- **Cause:** Excessive tightening of the handle.
- **Solution:** Loosen the handle slightly and apply less pressure per rotation. The cut should be gradual.
- **Cause:** Lack of lubrication on threads.
- **Solution:** Apply machine oil to the adjustment threads (refer to Section 4.2).
- **Cause:** Debris in the mechanism.
- **Solution:** Clean the cutter thoroughly (refer to Section 4.1).

6. SPECIFICATIONS

Attribute	Value
Model Number	32840
Pipe Capacity	2-inch to 4-inch (50 mm to 100 mm)
Item Weight	3.52 ounces
Product Dimensions	25.3 x 8.3 x 2.5 inches
Material	Cast Iron
Color	Red
Included Components	4S Pipe Cutter

7. WARRANTY INFORMATION

RIDGID covers its products with a lifetime warranty against defects in material or workmanship for the normal life of the tool. This warranty ensures that your RIDGID 32840 Model 4-S Heavy-Duty Pipe Cutter will perform reliably under normal

use. For specific details regarding warranty claims or coverage, please refer to the official RIDGID warranty policy available on their website or contact customer support.

8. SUPPORT AND CONTACT

For technical assistance, replacement parts, or any questions regarding your RIDGID 32840 Model 4-S Heavy-Duty Pipe Cutter, please contact RIDGID customer support. You can find contact information, including phone numbers and online support resources, on the official RIDGID website.

RIDGID Official Website: www.ridgid.com

9. RELATED RESOURCES

Your browser does not support the video tag.

Video 1: RIDGID Built For Those Who Know. This video provides a general overview of the RIDGID brand and its commitment to quality tools. While not specific to the 32840 pipe cutter, it showcases the brand's heritage and manufacturing standards.

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Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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