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RIDGID 49298

RIDGID 49298 Transportable 115V Beveller Instruction Manual

Model: 49298

1. SAFETY INFORMATION

Always adhere to the following safety guidelines when operating the RIDGID 49298 Beveller to prevent injury and ensure proper function.

- **Personal Protective Equipment (PPE):** Always wear safety glasses, hearing protection, and heavy-duty gloves when operating the machine.
- **Electrical Safety:** Ensure the power supply matches the tool's requirements (115V). Do not operate in wet conditions. Inspect the power cord for damage before each use.
- **Work Area:** Keep the work area clean, well-lit, and free from obstructions. Secure the workpiece properly to prevent movement during operation.
- **Machine Operation:** Never force the machine. Allow the tool to reach full operating speed before engaging the workpiece. Keep hands and loose clothing away from moving parts.
- **Maintenance:** Disconnect power before performing any maintenance, adjustments, or cleaning.

2. PRODUCT OVERVIEW

The RIDGID 49298 Transportable 115V Beveller is designed for preparing pipe ends for welding by creating a consistent bevel. This robust tool is suitable for various pipe materials and sizes, offering efficiency and precision in pipe fabrication tasks.



Figure 2.1: Front view of the RIDGID 49298 Transportable 115V Beveller, showcasing its compact design and red frame.



Figure 2.2: Side view of the beveller, highlighting the motor housing and power cord connection.

3. SETUP

Proper setup is crucial for safe and effective operation.

1. **Unpacking:** Carefully remove the beveler from its packaging. Inspect for any shipping damage. Retain packaging for future transport or storage.
2. **Mounting:** Secure the beveler to a stable workbench or a compatible pipe stand. Ensure all mounting bolts are tightened. The tool must be stable during operation.
3. **Power Connection:** Connect the 115V power cord to a grounded electrical outlet. Verify the voltage matches the tool's requirements.
4. **Blade Inspection:** Before first use, and periodically thereafter, inspect the bevelling blades for sharpness and damage. Replace worn or damaged blades as necessary.

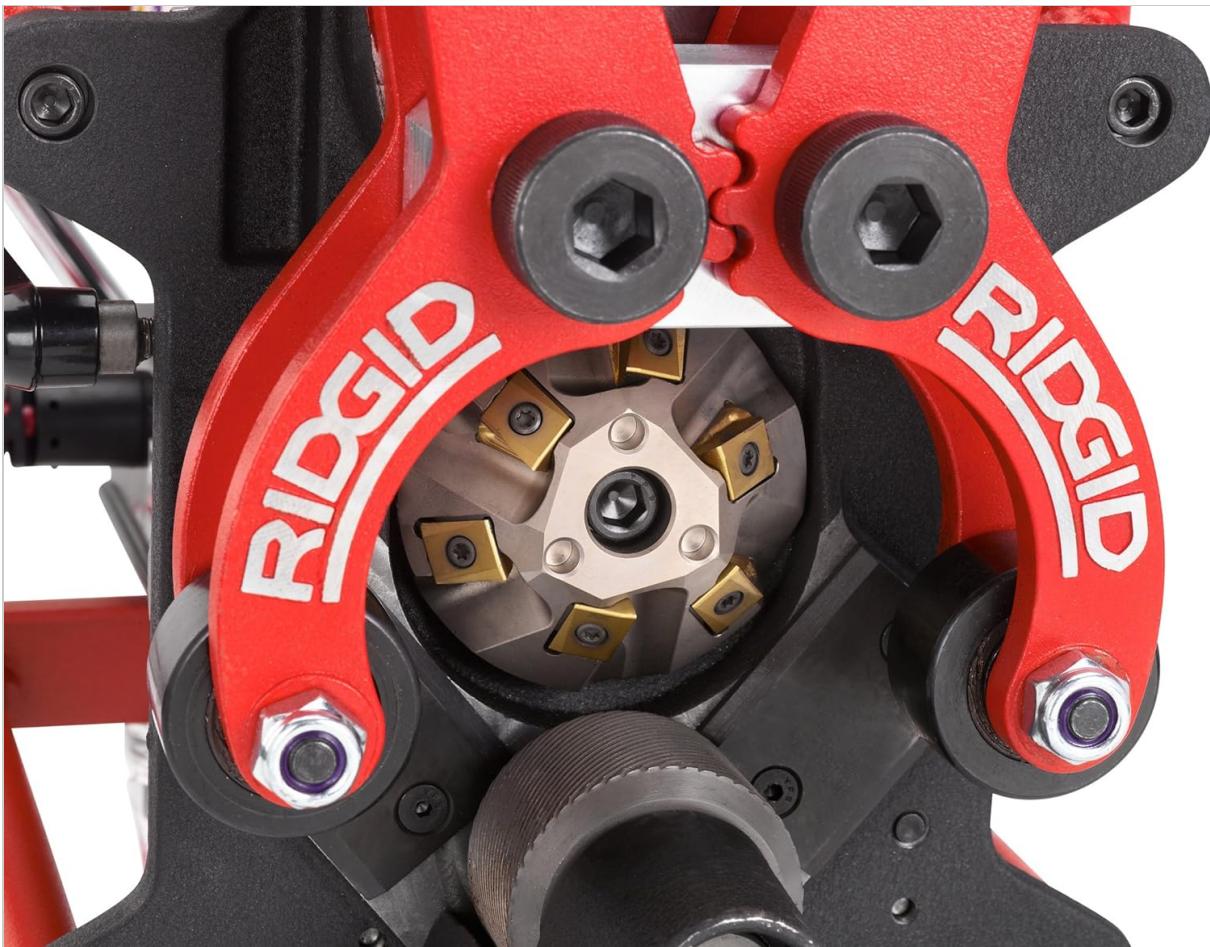


Figure 3.1: Close-up view of the bevelling head with multiple cutting inserts, responsible for creating the pipe bevel.

4. OPERATING INSTRUCTIONS

Follow these steps for safe and efficient pipe beveling:

1. **Secure the Pipe:** Place the pipe to be bevelled into a suitable pipe stand or vise, ensuring it is firmly secured and cannot rotate or shift during the beveling process.
2. **Position the Beveler:** Mount the RIDGID 49298 Beveler onto the end of the pipe. The beveler's rollers should rest firmly on the pipe's outer diameter.
3. **Engage the Feed Handle:** Use the feed handle to advance the cutting head into the pipe. Turn the handle clockwise to engage the blades with the pipe material.
4. **Start the Machine:** Press the green 'ON' button on the control panel to start the motor. Allow the

motor to reach full speed before applying pressure.

5. **Apply Consistent Pressure:** Slowly and steadily turn the feed handle to maintain consistent contact between the blades and the pipe. Avoid excessive force, which can lead to premature blade wear or an uneven bevel.
6. **Monitor Progress:** Observe the bevelling process. The machine will remove material, creating the desired angle. Continue until the full bevel is achieved.
7. **Disengage and Stop:** Once the bevel is complete, retract the cutting head by turning the feed handle counter-clockwise. Press the red 'OFF' button to stop the motor.
8. **Remove the Beveller:** Carefully remove the beveller from the pipe end.
9. **Inspect the Bevel:** Visually inspect the finished bevel for uniformity and smoothness. Deburr any sharp edges if necessary.



Figure 4.1: Detail of the control panel, showing the red 'OFF' and green 'ON' buttons, along with indicator lights.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your RIDGID 49298 Beveller.

- **Cleaning:** After each use, disconnect the power and clean the machine, especially the cutting head area, to remove metal shavings and debris. Use a brush or compressed air.
- **Blade Replacement:** When blades become dull or damaged, replace them promptly. Refer to the blade replacement section in the full manual for detailed instructions. Always use genuine RIDGID replacement parts.
- **Lubrication:** Periodically lubricate moving parts as indicated in the detailed service manual to reduce friction and wear.
- **Storage:** Store the beveller in a dry, secure location when not in use.

6. TROUBLESHOOTING

This section addresses common issues you might encounter.

Problem	Possible Cause	Solution
Uneven bevel	Pipe not securely clamped; inconsistent feed pressure; dull blades.	Ensure pipe is stable; apply steady feed pressure; replace blades.
Machine not starting	No power; damaged power cord; thermal overload.	Check power connection; inspect cord; allow motor to cool if overheated.
Excessive vibration/noise	Loose components; worn bearings; damaged blades.	Tighten fasteners; inspect and replace worn parts; replace blades.

7. SPECIFICATIONS

Key technical specifications for the RIDGID 49298 Beveller:

- **Model Number:** 49298
- **Voltage:** 115V
- **Item Weight:** 54.2 pounds
- **Product Dimensions:** 5 x 5 x 5 inches
- **Manufacturer:** Ridgid Tool Company
- **Color:** Red
- **Finish:** Polished

8. WARRANTY AND SUPPORT

For warranty information, technical support, or to order replacement parts, please refer to the official RIDGID website or contact their customer service department. Keep your purchase receipt for warranty claims.

RIDGID Official Website: www.ridgid.com