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**RYOBI RTS31**

# Ryobi RTS31 Dado Throat Plate Instruction Manual

Model: RTS31 | Part Number: 089260001699

## 1. Introduction

This manual provides essential instructions for the safe and effective use of the Ryobi RTS31 Dado Throat Plate, Part Number 089260001699. This accessory is designed to replace the standard throat plate on your Ryobi RTS31 table saw when using a dado blade set for cutting grooves and dados. Proper installation and adherence to safety guidelines are crucial for optimal performance and user safety.
Please read this manual thoroughly before installation and operation. Keep it for future reference.

## 2. Important Safety Information

**WARNING: Always disconnect the table saw from the power source before installing, adjusting, or servicing any components, including the throat plate.**

- Always wear appropriate personal protective equipment (PPE), including safety glasses, hearing protection, and a dust mask.
- Ensure the dado throat plate is correctly installed and flush with the table saw surface to prevent material snagging or kickback.
- Never operate the table saw without a throat plate in place.
- Refer to your Ryobi RTS31 table saw's main instruction manual for comprehensive safety guidelines and operating procedures.
- Do not modify the dado throat plate. Use only genuine Ryobi replacement parts.
- Keep hands and fingers clear of the blade area at all times. Use push sticks or push blocks when necessary.

## 3. Package Contents

Verify that all items are present upon opening the package:

- 1 x Ryobi RTS31 Dado Throat Plate (Part # 089260001699)



Figure 1: Top view of the Ryobi RTS31 Dado Throat Plate. This image shows the plate's overall shape and the elongated slot for the dado blade.

## 4. Setup and Installation

Follow these steps to install the dado throat plate on your Ryobi RTS31 table saw:

1. **Disconnect Power:** Ensure the table saw is unplugged from its power source to prevent accidental startup.
2. **Remove Standard Throat Plate:** Locate the existing throat plate on your table saw. Depending on your saw model, there may be a latch or screws to release it. Carefully lift and remove the standard throat plate.
3. **Install Dado Blade Set:** Install your dado blade set onto the saw arbor according to the instructions provided with your dado blades and your table saw manual. Ensure all spacers and chippers are correctly positioned for the desired dado width.
4. **Insert Dado Throat Plate:** Carefully place the Ryobi RTS31 Dado Throat Plate into the opening on the table saw. Ensure it sits flush with the table surface. The plate is designed to fit specifically with the RTS31 model.
5. **Secure the Plate:** If your table saw has mechanisms to secure the throat plate (e.g., leveling screws, latches), adjust them to ensure the dado throat plate is stable and perfectly level with the saw table.
6. **Verify Fit:** Gently press on the plate to ensure there is no rocking or movement. A properly installed throat plate is critical for safe operation and accurate cuts.



Figure 2: Angled view of the Ryobi RTS31 Dado Throat Plate. This perspective highlights the underside features and the overall profile of the plate.

## 5. Operating Instructions

Once the dado throat plate is installed, you can proceed with cutting dados or grooves. Always prioritize safety and consult your Ryobi RTS31 table saw manual for general operating procedures.

- **Blade Height Adjustment:** Adjust the dado blade height to the desired depth of cut. Ensure the blade does not extend excessively above the workpiece.
- **Fence Setting:** Set the rip fence to the correct distance from the dado blade for your desired groove or dado position.
- **Test Cuts:** Always perform test cuts on scrap material to verify the dado width and depth before cutting your final workpiece.
- **Workpiece Support:** Ensure adequate support for your workpiece, especially for larger pieces, to prevent tipping or instability during the cut.
- **Feed Rate:** Maintain a consistent and controlled feed rate. Do not force the workpiece through the blade.
- **Dust Collection:** Utilize your table saw's dust collection system to manage sawdust and maintain visibility.

## 6. Maintenance

Regular maintenance ensures the longevity and safe operation of your dado throat plate.

- **Cleaning:** After each use, clean the dado throat plate to remove sawdust and debris. A brush or compressed air can be used.
- **Inspection:** Periodically inspect the throat plate for any signs of wear, cracks, or damage. A damaged throat plate can affect cut quality and safety.
- **Storage:** When not in use, store the dado throat plate in a clean, dry place, away from direct sunlight or extreme temperatures.
- **Replacement:** If the dado throat plate becomes damaged or excessively worn, replace it immediately with a genuine Ryobi Part # 089260001699.

## 7. Troubleshooting

| Problem | Possible Cause | Solution |
|---|---|---|
| Throat plate does not fit or is loose. | Incorrect model compatibility; improper installation. | Ensure the plate is for Ryobi RTS31. Re-install, ensuring it is seated correctly and any securing mechanisms are engaged. |
| Blade rubs against the throat plate. | Dado blade set not centered; throat plate misaligned. | Verify dado blade set is properly installed and centered on the arbor. Check throat plate alignment and adjust if necessary. |
| Poor cut quality (e.g., rough dados, chipping). | Dull dado blades; incorrect feed rate; damaged throat plate. | Inspect dado blades for sharpness and replace if dull. Adjust feed rate. Check throat plate for damage and replace if needed. |

## 8. Specifications

| Feature | Detail |
|---|---|
| **Brand** | RYOBI |
| **Part Number** | 089260001699 |
| **Model Compatibility** | Ryobi RTS31 Table Saw |
| **Material** | Plastic |
| **Item Weight** | 0.8 ounces (approx. 22.7 grams) |
| **Product Dimensions** | 4 x 4 x 15.5 inches (approx. 10.16 x 10.16 x 39.37 cm) |

## 9. Warranty and Support

For warranty information, technical support, or to purchase replacement parts, please contact Ryobi customer service or refer to the official Ryobi website. Specific warranty terms may vary by region and retailer.
**Ryobi Official Website:** www.ryobitools.com
When contacting support, please have your product model (RTS31) and part number (089260001699) available.

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