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› Rockler 45 Degree Miter Sled Instruction Manual

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INSTRUCTION MANUAL

Brand: ROCKLER | Model: 45 Degree Miter Sled

Product Overview

The Rockler 45 Degree Miter Sled is designed to simplify the process of cutting accurate 45-degree miter joints on a table saw. This tool eliminates the need for complex adjustments, allowing users to achieve perfectly fitting miters for projects like picture frames or other corner joints.



ROCKLER

45° Miter Sled

Table Saw Accessories Fits Standard 3/8"
x 3/4" Miter Slot



Figure 1: The Rockler 45 Degree Miter Sled, a tool for precise miter cuts on a table saw.

Key Features:

- **No Adjustments Needed:** Designed for immediate use without complex calibration.
- **Exact 45-Degree Cuts:** Ensures precise 45-degree angles for perfect corner joints.
- **Adjustable Miter Track Fit:** Features nylon set screws for a smooth, no-slop fit in standard 3/8" x 3/4" miter slots.
- **Through Slots for Clamping:** Allows secure clamping of moldings at table level.
- **Easy to Use:** Can be easily drilled for extended fences and stops, with pre-installed adjustable nylon pins for a secure fit.

Setup

Before using your Rockler 45 Degree Miter Sled, ensure it fits securely in your table saw's miter slot. The sled is designed to fit standard 3/8" x 3/4" miter slots.

Adjusting Miter Track Fit:

1. Locate the nylon set screws on the miter sled bar.
2. Using a 7/64" hex wrench (not included), advance the nylon set screws until you achieve a smooth, no-slop fit

in your saw's miter track. This ensures stability and accuracy during cuts.



Figure 2: Underside of the miter sled, highlighting the adjustable nylon pins for a precise fit in the miter slot.

Clamping Workpieces:

The sled base includes two through slots that allow you to securely clamp moldings or other workpieces directly to the table saw surface. This provides additional stability, especially for delicate or long pieces.



Figure 3: Demonstrates how a workpiece can be clamped to the sled for secure cutting.

Operating Instructions

The Rockler 45 Degree Miter Sled simplifies cutting perfect 90-degree miter joints by focusing on the geometry of the cuts rather than relying on two perfectly calibrated 45-degree cuts from your saw's miter gauge.

The Principle of Operation:

The sled's guide faces meet at exactly 90 degrees. This provides a precise reference angle for the two adjoining cuts. By cutting one piece on the leading face and the other on the trailing face, you ensure that the two resulting angles will always add up to a perfect 90-degree joint, regardless of minor inaccuracies in your saw's miter gauge setting.



Figure 4: The miter sled positioned on a table saw, ready for a cut.

Cutting Miter Joints:

1. Place the workpiece against one of the sled's guide faces. Ensure it is firmly seated.
2. Secure the workpiece using clamps if desired, utilizing the through slots in the sled base.
3. Carefully push the sled and workpiece through the saw blade to make the first cut.
4. For the second piece of the joint, place it against the *opposite* guide face of the sled.
5. Repeat the cutting process.
6. When the two pieces are brought together, they will form a perfect 90-degree miter joint.

Video Demonstration:

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Video 1: Official Rockler demonstration of the 45 Degree Miter Sled in use, showing how to achieve perfect miter joints.

Pro Tip: Enhanced Stability

For even greater stability and to prevent workpiece slippage, consider applying a strip of self-adhesive sandpaper to each of the sled's fence faces. This provides additional grip for both clamped and handheld stock.

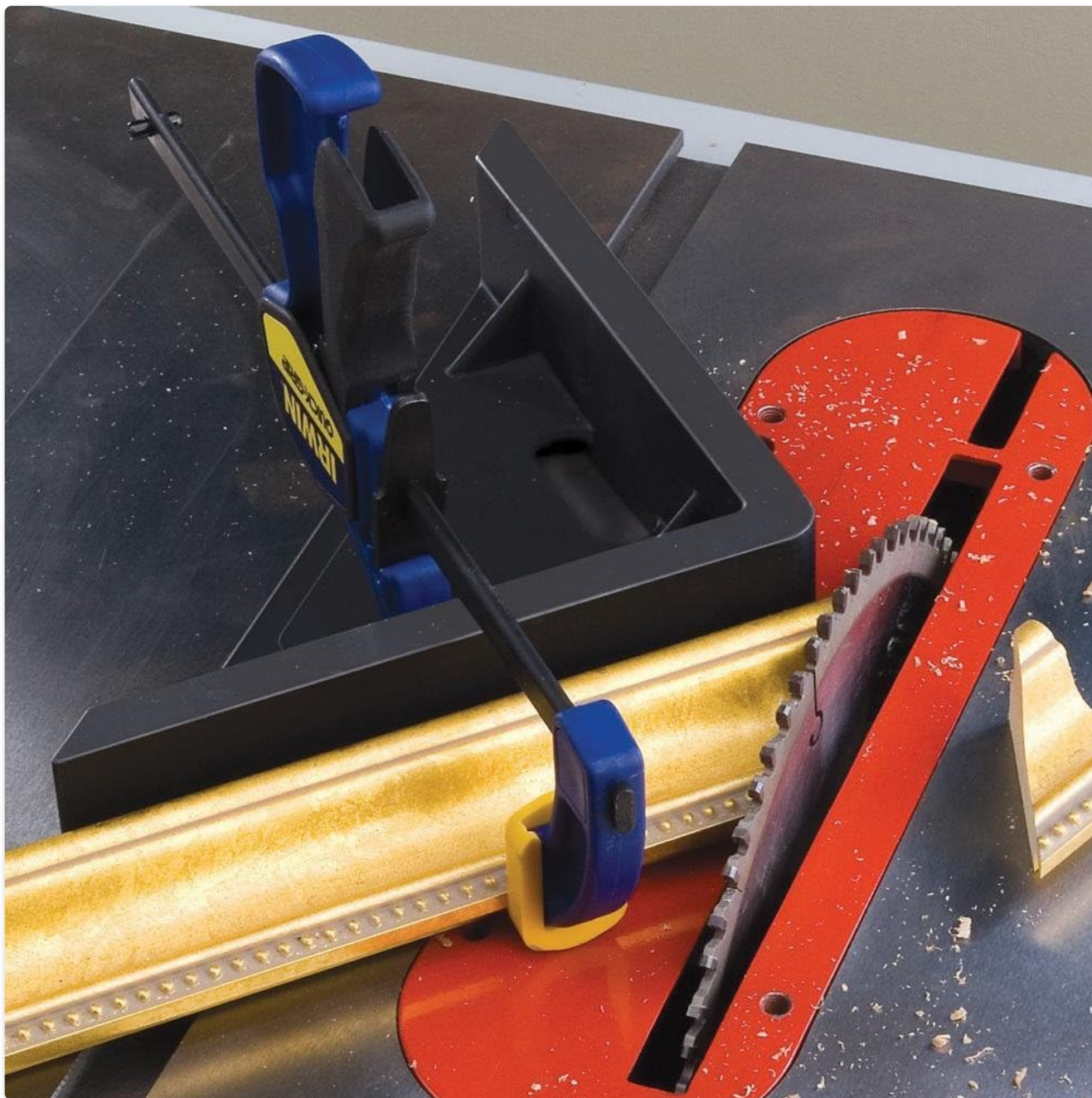


Figure 5: A close-up view of the workpiece secured to the sled, illustrating the stability during operation.

Maintenance

To ensure the longevity and continued accuracy of your Rockler 45 Degree Miter Sled, follow these simple maintenance guidelines:

- **Cleaning:** After each use, wipe down the sled with a dry cloth to remove sawdust and debris. Avoid using harsh chemicals that could damage the polycarbonate material.
- **Storage:** Store the miter sled in a clean, dry place away from direct sunlight and extreme temperatures.
- **Inspection:** Periodically inspect the nylon set screws and the sled's guide faces for any signs of wear or damage. Replace components as needed to maintain optimal performance.

Troubleshooting

If you encounter issues while using your Rockler 45 Degree Miter Sled, consider the following common solutions:

- **Loose Fit in Miter Slot:** If the sled feels wobbly in the miter slot, re-adjust the nylon set screws using a 7/64" hex wrench until a snug fit is achieved.
- **Inaccurate Joints:** Ensure your workpieces are firmly seated against the sled's guide faces and properly clamped. Verify that you are cutting one piece on the leading face and the other on the trailing face as instructed.
- **Workpiece Slippage:** If workpieces are slipping during cuts, ensure they are securely clamped. Consider applying self-adhesive sandpaper to the sled's fence faces for increased grip.

Specifications

Attribute	Value
Brand	ROCKLER
Material	Polycarbonate
Color	Black
Item Weight	0.73 Pounds
Item Package Dimensions (L x W x H)	8.39 x 8.15 x 2.83 inches
Miter Slot Compatibility	Standard 3/8" x 3/4"
Manufacturer	ROCKLER
ASIN	B0186IPNCM
Date First Available	June 22, 2008

Warranty and Support

For detailed product information, troubleshooting, or warranty inquiries, please refer to the official user guide or contact Rockler Woodworking and Hardware directly.

- **User Guide (PDF):** [Download User Guide](#)
- **Manufacturer/Seller:** Rockler Woodworking and Hardware
- **Rockler Store:** [Visit Rockler Store on Amazon](#)

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