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› Rockler 24-inch Parallel Bar Clamp Instruction Manual

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Rockler 24-inch Parallel Bar Clamp Instruction Manual

Model: 24-inch Parallel Bar Clamp

1. INTRODUCTION AND PRODUCT OVERVIEW

The Rockler 24-inch Parallel Bar Clamp is designed to provide precise and balanced clamping pressure for various woodworking and assembly tasks. Its deep jaws remain parallel, ensuring flat and square results, particularly beneficial for glue-ups and panel construction.

Key Features:

- **Precise Clamping Power:** Deep 3-1/2" jaws maintain perfect alignment, distributing pressure evenly.
- **Durable Construction:** Made from heavy-duty alloy steel with 2" wide jaws and protective pads.
- **Ergonomic Design:** Features a comfortable rubber handle for secure grip and extended use.
- **Versatile Functionality:** Reversible jaw allows for spreading applications.
- **Resistant to Buildup:** Designed to resist glue buildup and surface marring.



Image 1.1: The Rockler 24-inch Parallel Bar Clamp, showcasing its blue and black components and long bar.

2. SETUP

The Rockler Parallel Bar Clamp comes largely pre-assembled. The primary setup involves attaching the included clamp pads to protect your workpieces.

1. **Unpacking:** Carefully remove the clamp and all components from the packaging. Verify that one Rockler Parallel Bar Clamp and one full set of clamp pads are included.
2. **Attaching Clamp Pads:** The clamp pads are designed to slide onto the jaws. Align the pads with the jaw faces and gently press them into place until they are securely seated. These pads prevent marring and distribute pressure more broadly.



Image 2.1: A close-up view of the clamp jaws, highlighting the protective pads in place.

3. OPERATING INSTRUCTIONS

Follow these steps for effective and safe use of your parallel bar clamp:

1. **Opening the Clamp:** To open the clamp, rotate the ergonomic handle counter-clockwise to loosen the movable jaw. Slide the movable jaw along the bar to the desired opening width.
2. **Positioning Workpiece:** Place your workpiece between the fixed and movable jaws. Ensure the clamp pads are properly positioned to protect the material.

3. **Applying Clamping Pressure:** Rotate the ergonomic handle clockwise to advance the movable jaw until it makes contact with the workpiece. Continue rotating to apply the desired clamping pressure. The parallel jaws will ensure even distribution of force.
4. **Reversing the Jaw (Spreader Function):** To use the clamp as a spreader, locate the pin or mechanism that secures the fixed jaw to the bar. Release this mechanism (often a spring-loaded pin or lever) and slide the fixed jaw off the end of the bar. Reattach it facing the opposite direction. The clamp can now be used to push apart two surfaces.
5. **Releasing the Clamp:** To release pressure, rotate the ergonomic handle counter-clockwise until the movable jaw retracts sufficiently to remove the workpiece.

Typical Applications:

- **Panel Glue-ups:** Ideal for joining boards to create flat, even panels without bowing.
- **Cabinet & Casework Assembly:** Keeps boxes, frames, and doors square during glue-up processes.
- **Drawer Construction:** Ensures tight, precise joints without distortion.

ROCKLER 24" PARALLEL BAR CLAMP

Rockler parallel bar clamps keep work flat and square under pressure, ideal for panels, casework, drawers, and frames. With 2" wide parallel jaws, non-marring pads, and stable bench support, they ensure even clamping without distortion.



Image 3.1: Examples of the Rockler Parallel Bar Clamps being used for panel glue-ups, cabinet assembly, and drawer construction.



Image 3.2: Two Rockler Parallel Bar Clamps securing a wooden panel, demonstrating their ability to keep work flat.

4. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Rockler Parallel Bar Clamp.

- **Cleaning:** After each use, wipe down the bar and jaws with a clean, dry cloth to remove any sawdust, glue residue, or debris. The clamp's design helps resist glue buildup, but prompt cleaning is recommended.
- **Lubrication:** Periodically apply a light coat of dry lubricant or wax to the bar to ensure smooth operation of the movable jaw. Avoid excessive oil-based lubricants that can attract sawdust.
- **Pad Inspection:** Regularly inspect the protective clamp pads for wear or damage. Replace worn pads to maintain optimal grip and prevent marring of workpieces.
- **Storage:** Store clamps in a dry environment to prevent rust. Hang them or store them in a rack to keep them organized and prevent damage.

5. TROUBLESHOOTING

If you encounter issues with your Rockler Parallel Bar Clamp, consider the following:

- **Issue: Clamp not holding pressure or slipping.**
 - **Solution:** Ensure the workpiece is clean and free of excessive glue or debris that might prevent a secure grip. Check that the movable jaw is fully engaged with the bar's teeth. Inspect clamp pads for wear; replace if necessary.
- **Issue: Jaws are not parallel.**
 - **Solution:** Verify that the fixed jaw is correctly seated on the bar. Ensure no foreign objects are lodged between the jaw and the bar. If the clamp has been dropped or damaged, inspect for bends or deformities in the bar or jaws.
- **Issue: Movable jaw is stiff or difficult to slide.**
 - **Solution:** Clean the bar thoroughly to remove any accumulated dust or grime. Apply a dry lubricant to the bar to facilitate smoother movement.

6. SPECIFICATIONS

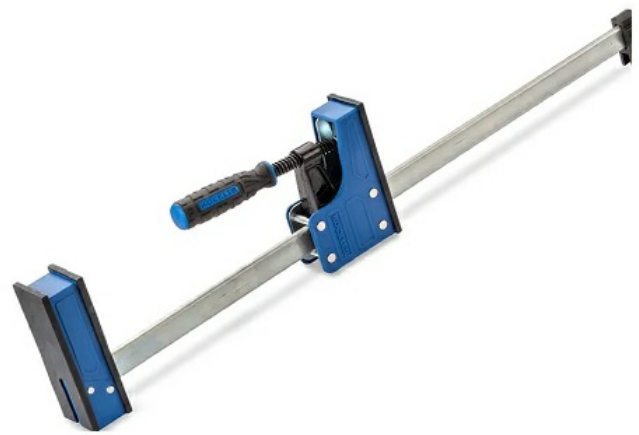
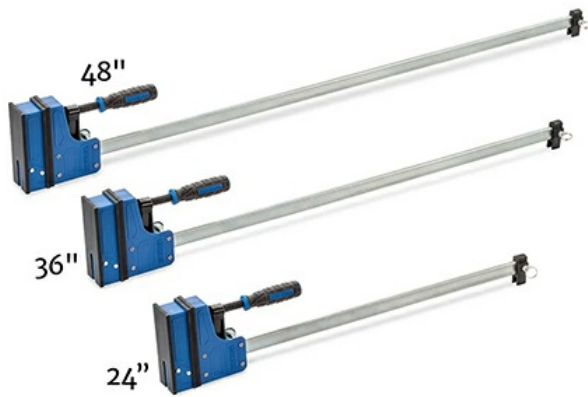
Model	24-inch Parallel Bar Clamp
Brand	ROCKLER
Material	Alloy Steel
Color	Blue
Clamping Force	Up to 1,000 lbs.
Jaw Width	2 inches
Throat Depth	3-1/2 inches
Available Sizes (Clamp Openings)	24", 36", 48" (This manual specifically covers the 24" model)
UPC	733175869089
ASIN	B0BSVLT8KG

Usage:

- Panel glue ups perfect for edge joining boards into flat even panels.
- Cabinet & casework assembly keeps boxes, frames and doors square during glue up.
- Drawer construction ensures tight, precise joints without bowing or distortion.



Image 6.1: Visual representation of key specifications for the Rockler Parallel Bar Clamps.



Product Description:

Rockler parallel bar clamps apply up to 1,000 lbs. of pressure, with padded jaws and stable support for accurate, square assemblies.

What's Included:

- (1) Rockler Parallel Bar Clamp
- (1) Full set of clamp pads

Image 6.2: The Rockler Parallel Bar Clamp available in 24-inch, 36-inch, and 48-inch lengths.

7. WARRANTY INFORMATION

Specific warranty details for Rockler products are typically provided with the product packaging or available on the official Rockler website. Please refer to the documentation included with your purchase or visit the [Rockler Woodworking and Hardware store page](#) for the most current warranty policy.

8. SUPPORT INFORMATION

For technical assistance, product inquiries, or to purchase replacement parts, please contact Rockler customer support. You can typically find contact information on the official Rockler website or through the retailer where the product was purchased.

Online Resources:

- Visit the official [Rockler Woodworking and Hardware store page](#) for product information and additional resources.

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

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

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