Review full manual instructions prior to use for important safety information. Always check Rockler.com to confirm that you are using the most recent manual version for your product.
GENERAL SAFETY WARNINGS

This product is designed only for specific applications as defined in the instructions and should not be modified or used for any manner not described in these instructions. Use only recommended accessories. Before using the 1½” Fixed Louver Shutter Jig: READ, UNDERSTAND and FOLLOW ALL INSTRUCTIONS AND SAFETY WARNINGS. KEEP THESE INSTRUCTIONS READILY AVAILABLE FOR FUTURE REFERENCE.

> Always confirm that you are using the most recent version of the Instructions and safety warnings for your product (see the Instructions link on the product page at Rockler.com).

> Before using another tool with this product, always read, understand and follow the instructions and safety warnings in the owner’s manual for that tool. If you do not have the owner’s manual, obtain one from the tool’s manufacturer before using it with this product.

> Before using any chemical with this product, always read, understand and follow all safety warnings and guidelines in the manufacturer’s Safety Data Sheet (SDS; formerly called “MSDS”), especially regarding:
  - How to safely use the chemical, including potential hazards and recommended first aid measures;
  - Personal safety equipment required to safely use the chemical (e.g. gloves, eye protection, mask/respirator, etc.);
  - Proper and safe handling, storage and disposal of the chemical.

> Before using this product, review and verify that all tools to be used with it have safety equipment installed and are in proper working order as defined by the tool’s owner’s manual.

> Do not use this product until you have read and are confident you understand:
  - Product Specific Safety Warnings (p. 3);
  - Shutter Mounting and Measuring (pp. 4-5);
  - Shutter Design Options (pp. 4-5);
  - Routing Stiles (p. 6);
  - Shutter Assembly (pp. 6-7).

> The user assumes all risk and responsibility for the proper and safe use of this product and for ensuring product suitability for the intended application.

> It is the sole responsibility of the purchaser of this product to ensure that any anyone you allow to use this product reads and complies with all instructions and safety precautions outlined in this manual prior to use.

> Follow all standard shop safety practices, including:
  - Keep children and bystanders away from the tool operating area;
  - Do NOT use power tools in explosive environments, or in the presence of flammable liquids, fumes or dust;
  - TURN OFF AND UNPLUG all power tools BEFORE making any adjustments or changing accessories;
  - Remain alert and use good judgment. Do not use this product if you are in any way impaired by medications, alcohol, drugs or fatigue;
  - Keep your work area well lit and clean;
  - Dress appropriately. Secure loose clothing, remove all jewelry and tie up long hair before using this product;
  - ALWAYS wear safety glasses, hearing protection and respiratory protection that complies with NIOSH/OSHA/ANSI safety standards;
  - Use dust collection tools and dust face masks to reduce exposure to dust;
  - Use safety equipment such as featherboards, push sticks and push blocks, etc., when appropriate;
  - Maintain proper footing at all times and do not overreach;
  - Do NOT force woodworking tools.

> These warnings and instructions do NOT represent the total of all information available regarding tool safety, use and technique. Always seek out opportunities to learn more and improve your skills and knowledge.

⚠️ WARNING: Drilling, sawing, sanding or machining wood products can expose you to wood dust, a substance known of the State of California to cause cancer. Avoid inhaling wood dust or use a dust mask or other safeguards for personal protection. For more information go to www.P65Warnings.ca.gov/wood.

⚠️ DANGER
Danger indicates a hazardous situation that, if not avoided, will result in death or serious injury.

⚠️ WARNING
Warning indicates a hazardous situation that, if not avoided, could result in death or serious injury.

⚠️ CAUTION
Caution indicates a hazardous situation that, if not avoided, may result in minor or moderate injury or property damage.

⚠️ NOTICE
Notice indicates important or helpful information and/or user tips.
PRODUCT SPECIFIC SAFETY WARNINGS

⚠️ DANGER

> To avoid serious injury, keep hands and fingers away from spinning router bit. Maintain awareness of the bit at all times.

⚠️ CAUTION

> Use only a plunge router with this jig. Use of a fixed-base router is likely to result in damage to the jig.

> Be careful when clamping softwoods to avoid crushing wood fibers and leaving marks. A clamping caul between the clamp face and the workpiece can help distribute pressure and avoid damage.
- Window opening should be nearly square
- Solid wood jamb needed
- Butt hinge application

Fig. 1 - Inside mount, no frame

- Mounting for window openings that are not square
- Hang strip may need to be mounted towards the room
- Wrap around hinge application

Fig. 2 - Inside mount with hang strip

- Recommended for drywall openings
- Mounted flush with hang strip
- Butt hinge application

Fig. 3 - Outside mount with hang strip

Wall with or without trim

Wall without trim

Requirement

Rail

Stile

Hang strip

Window
**Shutter Mounting and Measuring**

1. Determine your mounting application and prepare the windows. *Fig. 1, 2 and 3.*

2. Once window prep has been completed, determine the number of shutters desired per window.

3. Measure for shutter panel height. For inside mounts, measure the total window opening height and subtract 1/4”. For an outside mount, measure the total window opening height and add the desired top and bottom overlap.

4. Measure for shutter panel width by dividing the total window opening by the number of shutter panels and then subtracting the appropriate gaps. Leave 1/16” gaps where hinges are mounted and 1/8” gaps between panels.

5. Enter these measurements in the **Shutter Design Wizard** at Rockler.com to create your Bill of Materials and Dimensioned Plans specific to your shutters.

**Shutter Design Options**

1. A middle rail is recommended for shutters taller than 48”. Remove two or three louvers from the shutter and replace with a 2” or 3” wide rail with 3/16” rabbets on both sides.

2. Consider rabbeted stiles between panels to block light transmission. Add 3/8” in width to one stile to create the overlap.

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**Shutter Dimensions**

- **Middle Rail**
  - 3/16” rabbets
  - 2” or 3”

- **Top Rail**
  - 2” Min
  - 5” Max

- **Bottom Rail**
  - 2” Min
  - 5” Max

- **1 1/2” Stiles**

- 1” between louvers
Routing Stiles

1. Place the shutter frame components face down on a work surface.

2. Label the back sides of the stiles and rails.

3. Measure the width of the top rail and transfer that measurement to the top end of each stile. Measure the width of the bottom rail and transfer that measurement to the bottom end of each stile.

4. With the rails and stiles positioned face down as they will be when assembled, use a combination square to mark lines across the joints between the rails and stiles for dowels to hold the pieces together. Mark two lines at each joint.

5. Use a jig like the 3/8" Dowel Drilling Jig (47516, sold separately) to drill holes in the rails and stiles at the marks you made in Step 4. You will insert 3/8" dowels in these holes to add strength to the joints.

6. Clamp the stiles to the Stile Jig (1), aligning the top rail mark with the etched line that says “Align with Top Rail” on jig template. Be sure that the front faces of the stiles are against the jig’s fence, with the back faces out. **Fig. 4.**

7. Install the 3/8" Router Guide Bushing (2) and a 1/4" mortising bit into your router. Set the bit depth to 5/8". **Fig. 5.**

8. Rout the slots in your stiles. Reposition the stiles along the jig as necessary to complete the desired series of holes.

**Shutter Assembly**

1. If desired, prefinish the components before assembly, taking care to keep finish off of areas that will be glued together.

2. Stand the right stile on the work bench, mortises up.

3. Insert all of the louvers vertically into the slots in the stile. Do not apply glue to the louvers. **Fig. 6.**

4. Apply glue to four 3/8" dowels and to the mating areas of the right stile and top and bottom rails.
5. Insert the dowels in the holes at the top and bottom of the right stile. Press the corresponding ends of the rails tight onto the dowels and tight to the stile.

6. Apply glue to four 3/8" dowels and to the mating areas of the left stile and top and bottom rails. Do not apply glue to the louvers.

7. Insert the dowels in the holes in the exposed ends of the top and bottom rails.

8. Working from top to bottom of the shutter, fit the louvers into the appropriate mortises. Move down the stile until all louvers are seated. **Fig. 7.**

**CAUTION** Be careful when clamping softwoods to avoid crushing wood fibers and leaving marks. A clamping caul between the clamp face and the workpiece can help distribute pressure and avoid damage.

9. When all parts are together, clamp the frame tight and check for square.

Check Rockler.com for updates. If you have further questions, please contact our Technical Support Department at 1-800-260-9663 or support@rockler.com

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**Fig. 6**

**Fig. 7**