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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 ProFence Router Table Fence: 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 Warnings (pp. 3-4);
  - Parts List (p. 5);
  - Assembly (pp. 6-7);
  - Adjusting the Fence Faces (p. 7);
  - Using the Jointing Bars (pp. 8-9).

> 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 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 to 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.
SAFETY WARNING KEY

⚠️ 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.

⚠️ WARNING ⚠️

AVOID THIS SITUATION!

> NEVER FEED YOUR WORKPIECE BETWEEN THE BIT AND THE FENCE. Because of the direction of the bit’s rotation, the bit could “grab” the workpiece and propel it away from the table at a high velocity, potentially resulting in property damage and serious injury to anyone in its path.

> Additionally, when the bit grabs the workpiece, your hands could be drawn into the bit, resulting in serious injury.

> Turn off and unplug your router before installing or adjusting the bit or adjusting the Router Table Fence.

> BEFORE beginning any routing operation, ALWAYS make sure that ALL knobs on the Router Table Fence have been tightened and the fence will not shift during use.

Product Specific Safety Warnings continued on page 4
**WARNING**

- Always feed the workpiece against the rotation of the bit. A table-mounted router spins the bit counterclockwise, so feed the workpiece from right to left as you face the table. This provides better control because the rotation of the bit is backward and toward the fence instead of forward and away from it.

- **NEVER** attempt to machine a workpiece at the router table without using the Router Table Fence or a starter pin with a bearing-guided bit. Failure to use these guides diminishes your ability to control the workpiece and greatly increases the chance of damage to the workpiece and/or serious personal injury.

- **BEFORE** plugging in and turning on the router, always check to be sure that the MDF Adjustable Fence Faces (2) are fully secured and that the bit can rotate freely without touching the Fence Faces. An exception to this is if you have set up the infeed Fence Face to provide zero-clearance support for the workpiece, as described in the “Adjusting the Fence Faces” section on page 7.

- Do **NOT** attempt to use the Bench Dog ProFence to joint board edges that are thicker than 1 1/4". The maximum material thickness might be further limited by the cutting height of the router bit being used. For example, a bit with a 3/4" cutting height will be able to joint only boards that are 3/4" thick or less.

- When working with narrow boards, use a push block or push stick to advance the workpiece to avoid fingers from contacting the bit and causing serious injury.

- Use only 1/2" shank router bits for jointing. The thicker shank will provide less chatter and cleaner cuts. The bit’s cutting height must not exceed 1 1/2".

- Never use a router bit that is damaged or dull.

- Never exceed the manufacturer’s recommended maximum operating speed for your router bit.

**CAUTION**

- Set the Bit Safety Guard (3) directly over the router bit, at least 1/2" above the top of the bit or the top of the workpiece (whichever is highest) to prevent the bit from cutting into the Safety Bit Guard.

- When adjusting the position of the Router Table Fence, always ensure that no part of the Aluminum Fence (1) will contact the router bit.

- If using the Jointer Bars (12), always install them in pairs in matched slots in the Aluminum Fence (1) – either the first and the third slots from the top or the second and fourth. Failure to install both Jointer Bars in matched slots is likely to yield poor results.
<table>
<thead>
<tr>
<th>PARTS LIST</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Aluminum Fence</td>
<td>1</td>
</tr>
<tr>
<td>2 MDF Adjustable Fence Face</td>
<td>2</td>
</tr>
<tr>
<td>3 Bit Safety Guard</td>
<td>1</td>
</tr>
<tr>
<td>4 Dust Port</td>
<td>1</td>
</tr>
<tr>
<td>5 3/8”-16 T-Knob</td>
<td>2</td>
</tr>
<tr>
<td>6 5/16”-18 x 1 1/4” T-Bolt</td>
<td>6</td>
</tr>
<tr>
<td>7 1” Round Knob</td>
<td>6</td>
</tr>
<tr>
<td>8 Knob Spacer</td>
<td>2</td>
</tr>
<tr>
<td>9 3/8”-16 x 2 1/4” Hex Bolt (for cast iron table)</td>
<td>2</td>
</tr>
<tr>
<td>10 3/8”-16 x 2 3/4” Carriage Bolt (for phenolic table)</td>
<td>2</td>
</tr>
<tr>
<td>11 3/8” Nylon Washer</td>
<td>2</td>
</tr>
<tr>
<td>12 Jointer Bar (Not Shown)</td>
<td>2</td>
</tr>
</tbody>
</table>
Assembly

1. Insert four 5/16"-18 x 1 1⁄4" T-Bolts (6) in the holes in the front face of the Aluminum Fence (1). Loosely thread a 1" Round Knob (7) on the outside two T-Bolts. From the back side of the Aluminum Fence, fit the Dust Port (4) onto the two inner T-Bolts and loosely thread a 1" Round Knob on each bolt.

2. Attach the Adjustable MDF Fence Faces (2) by sliding them onto the 5/16"-18 T-Bolts and tightening the 1" Round Knobs (7).

3. Slide two 5/16"-18 x 1 1⁄4" T-Bolts (6) into the forward-facing T-Slot of the Aluminum Fence (1). Fit the Bit Safety Guard (3) over the T-Bolts and secure with a 1" Round Knob (7) on each T-Bolt.

4. Determine whether the 3/8"-16 x 2 1⁄2" Hex Bolts (9) or 3/8"-16 x 2 3⁄4" Carriage Bolts (10) are appropriate for your router tabletop. Insert the appropriate bolts up through the slots in the bottom of the Aluminum Fence (1) and place a 3/8" Nylon Washer (11) and a Knob Spacer (8) on each. Then loosely thread a 3/8"-16 T-Knob (5) on each bolt.

5. Fit the bottom of the 3/8"-16 x 2 1⁄2" Hex Bolts (9) or 3/8"-16 x 2 3⁄4" Carriage Bolts (10) into the mounting slots in your router table.

\[ \text{CAUTION} \] Set the Bit Safety Guard (3) directly over the router bit, at least 1⁄2" above the top of the bit or the top of the workpiece (whichever is highest) to prevent the bit from cutting into the Safety Bit Guard.

When adjusting the position of the Router Table Fence, always ensure that no part of the Aluminum Fence (1) will contact the router bit.

\[ \text{NOTICE} \] The Bench Dog ProFence Adapter Kit (27911, sold separately) is required if installing on the Rockler HPL Router Tabletop (46924).

Infeed subfence adjusted to zero clearance
6. For each routing operation, adjust the various parts of the Router Table Fence as needed and lock them in position by tightening all knobs before proceeding.

**Adjusting the Fence Face**

**DANGER**

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

The two MDF Adjustable Fence Faces (2) are designed to slide about 2" along the fence. As a result, the opening for the router bit can be adjusted from 0" up to 4".

Generally, you want to set the Adjustable Fence Faces (2) as close to the bit as possible (without contacting the cutter) to provide support for your workpiece during the cut. Setting both infeed and outfeed Adjustable Fence Faces close to the bit helps prevent the ends of the workpiece from drifting too far into the cutter at the beginning and end of the cut, providing enhanced safety and cut quality.

In some cases, you might want “zero-clearance” support to deliver an even cleaner cut. This involves cutting the router bit profile into the front edge of the infeed Adjustable Fence Face so that there’s virtually no gap between the cutter and the Fence Face. It delivers a cleaner cut because the workpiece fibers are fully supported throughout the cut.

If a zero clearance setting is necessary, follow these steps:

**WARNING**

Turn off and unplug your router before installing or adjusting the bit or adjusting the Router Table Fence.

Never use a router bit that is damaged or dull.

Never exceed the manufacturer’s recommended maximum operating speed for your router bit.

**CAUTION**

When adjusting the position of the Router Table Fence, always ensure that no part of the Aluminum Fence (1) will contact the router bit.

1. Set the bit height and fence position. Set the both MDF Adjustable Fence Faces (2) close to the bit, but not touching it. The Fence Faces MUST NOT contact the bit at this time.

2. Install and secure the Bit Safety Guard (3).

3. From the back of the fence, slightly loosen the 1" Round Knobs on the infeed MDF Adjustable Fence Face (2). Start the router and slowly slide the infeed MDF Adjustable Fence Face into the spinning router bit, stopping when the edge reaches the bit’s guide bearing or midpoint (for bits that don’t have a guide bearing).

4. Turn off the router. Fully tighten the 1" Round Knobs on the back of the MDF Adjustable Fence Face (2) to secure it in position.

Turn off and unplug your router before installing or adjusting the bit or adjusting the Router Table Fence.

Never use a router bit that is damaged or dull.

Never exceed the manufacturer’s recommended maximum operating speed for your router bit.
Using the Jointing Bars

THESE WARNINGS PERTAIN TO ALL REMAINING STEPS:

⚠️ DANGER

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

⚠️ WARNING

> Turn off and unplug your router before installing or adjusting the bit or adjusting the Router Table Fence.

> Do NOT attempt to use the Bench Dog ProFence to joint board edges that are thicker than 1 1⁄4". The maximum material thickness might be further limited by the cutting height of the router bit being used. For example, a bit with a 3/4" cutting height will be able to joint only boards that are 3/4" thick or less.

> Before beginning any routing operation, ALWAYS make sure that ALL knobs on the Router Table Fence have been tightened and the fence will not shift during use.

> Always feed the workpiece against the rotation of the bit. A table-mounted router spins the bit counterclockwise, so feed the workpiece from right to left as you face the table. This provides better control because the rotation of the bit is backward and toward the fence instead of forward and away from it.

> Use only 1/2" shank router bits for jointing. The thicker shank will provide less chatter and cleaner cuts. The bit's cutting height must not exceed 1 1⁄2".

> When working with narrow boards, use a push block or push stick to advance the workpiece to avoid fingers from contacting the bit and causing serious injury.

⚠️ CAUTION

> If using the Jointer Bars (12), always install them in pairs in matched slots in the Aluminum Fence (1) – either the first and the third slots from the top or the second and fourth. Failure to install both Jointer Bars in matched slots is likely to yield poor results.

> When adjusting the position of the Router Table Fence, always ensure that no part of the Aluminum Fence (1) will contact the router bit.
Jointing is the process of cutting flat, square, straight edges on a board. It's typically done on a free-standing power jointer but can be done on a router table for boards that are no thicker than the cutting height of the router bit used. The Bench Dog ProFence has integral slots to accept the included aluminum Jointer Bars (12). When installed in pairs in the slots, these bars “shim out” the outfeed subfence either 1/16” or 1/32”.

1. Unplug the router and install a 1/2” diameter straight or spiral up-cut router bit, setting the bit height according to the capacity of the bit and the thickness of your stock.

2. From the back of the fence, loosen the 1” Round Knobs (7) on the outfeed MDF Adjustable Fence Face (2).

3. Slide both Jointer Bars (12) behind the outfeed MDF Adjustable Fence Face (2) in matching slots -- either the second and fourth slots (to remove 1/32” of material) or the first and third slots (to remove 1/16” of material). Tighten the 1” Round Knobs (7).

4. Using a straightedge held flush against the outfeed MDF Adjustable Fence Face (2) as a guide, adjust the fence to align the outfeed side precisely with the cutting edge of the bit.

5. Remove the straightedge. From the back of the fence, loosen the 1” Round Knobs (7) on both MDF Adjustable Fence Faces (2) and slide the Fence Faces toward the bit to make the gap between the faces and the bit as small as possible without making contact. Tighten the 1” Round Knobs once the Fence Faces are in position. Adjust the Bit Safety Guard (3).

6. Plug in the router and make a test cut in scrap stock. If adjustments are needed, unplug the router and readjust the fence position, using the straightedge as a guide. Then make another test cut. Don’t be surprised if several adjustments are required to achieve the final position.

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

Jointing Bar Attachment

Use in slots 1 and 3 for 1/16” cuts
Use in slots 2 and 4 for 1/32” cuts