Introduction to Cabinet Doors

This unique Premium Adjustable Cabinet Door Set with patented solutions allows woodworkers to build any style of cabinet door in a range of different materials and sizes!

Build the Miter Gauge

- Rail and Stile doors with "stabl" tenons
- Rail and Stile doors with extended tenons for added strength
- Rail and Stile doors with panels of unlimited placed
- Double Sided Rail and Stile door for maximum performance on both sides (requires optional cutters)

Tools Required

- Table Saw
- Router
- Router Bit
- Fence
- Feather Board
- Push sticks
- Sandpaper
- Manual Plane

Materials Required

- In addition to your Freud router bits, you will be needing the following tools and supplies to build your door unit.
  - Variable-speed router, 2-1/4 HP minimum.
  - Router dust hood. Your table saw should be equipped with a dust collection system.
  - Router bit wrench or bit puller. This is very important! The router bit must be held securely in place.
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Safety Tips

- Before using any tool, read the manual and thoroughly inspect it for any defects that may cause the tool to fail.
- Be sure that the tool is properly assembled and secured. Improperly assembled tools can cause injury to the user.
- Wear the appropriate safety gear at all times when operating the router. Safety gear includes goggles, earplugs, and a dust mask.
- Be sure that the area around the tool is clear of any obstructions or debris that may cause injury to the user.

Routing the Rails & Stiles

- Rail length: are determined based on the width of the stiles and the length of the tenons you plan to use. The rail length should be equal to the width of the stile minus the thickness of the rail tenon. If you don't have a router table, use a miter gauge to guide the workpiece.

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Making Adjustments for Plywood Panel Doors

Creating the Raised Panel:

Installing the Raised Panel Cutters:

Unplug the router.

To make the tongue thinner, remove some of the shims you will find on top of the bearing. To make the tongue thicker, add shims underneath the bearing before plugging in the router. This will let the tongue in be sure that the bit rotates freely and does not contact any part of the router, the router table or the router fence. Plug in the router and make four additional passes in counter-clockwise sequence as above.

Unplugging the router:

To make the groove wider produced by the stile bit, unplugging the router and install the cut-in-the-cutter. Use a 1/4" open end wrench or adjustable wrench (not included) to remove the bearing before plugging in the router again and make a test cut. Do not contact any part of the router, the router table or the router fence. Plug in the router and make the fourth pass in the counter-clockwise sequence.

Assembly and Finishing the Door:

Dry Fitting the Door Parts:

- Assemble all of the parts of the door and verify that the final door size is correct.
- If you cut your rails and stiles wider than your finished width, trim them down to the correct size on your table saw.

Routing Raised Panel Doors

Making Large Glued Door Panels

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