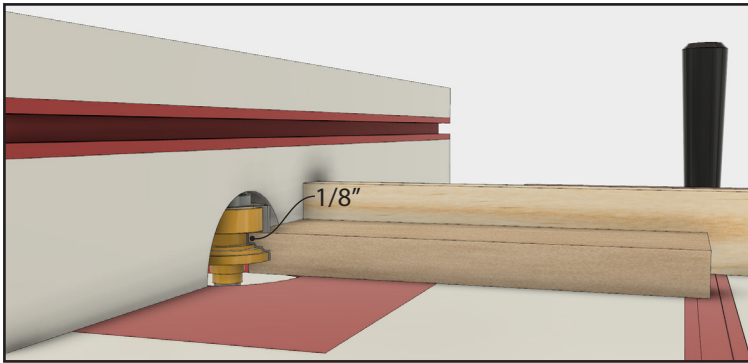




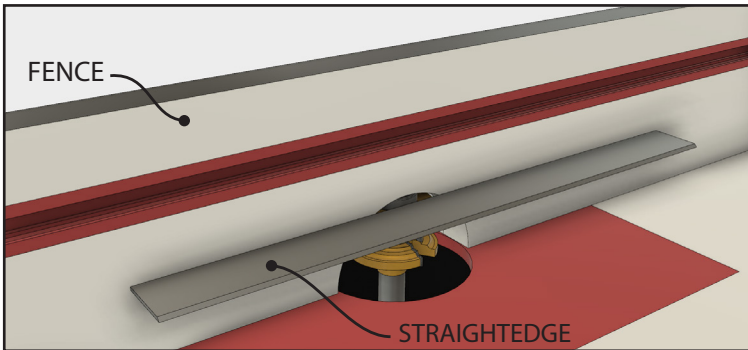
Make frame-and-panel doors with glass panels using the One-Piece Reversible Glass Door Stile and Rail router bit. This bit will produce the inside edge profile and the cope cuts in stock up to 1" thick. Follow the instructions below to set up your router table.

## Step 1: Install the bit.



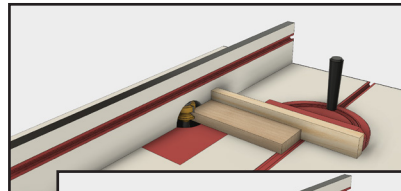
To prevent excessive tear-out on one end of each rail, make the cope cuts before the inside edge profile cuts. Insert the bit in the router table and adjust the height to produce a small flat spot of 1/16" to 1/8" near the top face.

## Step 2: Set the fence.

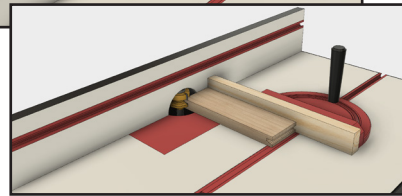


Use a straightedge to set the fence flush with the router bit's bearing. Place the straightedge against the bearing and adjust the fence until it's flush. Lock the fence into position.

## Step 3: Cope the ends of the rails.

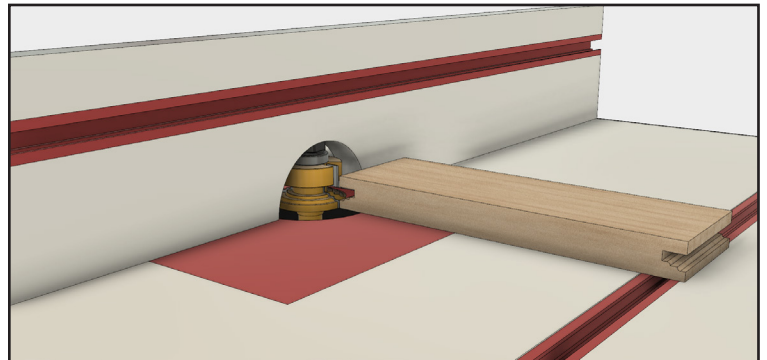


Use a miter gage or coping sled to cope both ends of the rails.



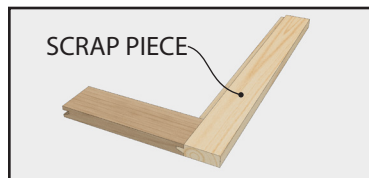
Attach a backer board to the miter gage to prevent tear-out. Route the rails with the outside face up.

## Step 4: Adjust the bit for the profile cut.



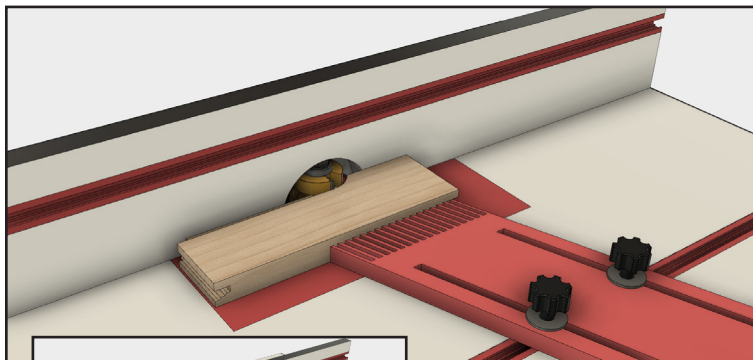
With this bit, it's not necessary to reposition the fence for the profile cut, but you will need to adjust the bit height. Place one of the rails you just routed face down on the router table. Align the bit with the cope cut in one end of the rail.

## Step 5: Make a test cut.



Route a test cut in a piece of scrap the same thickness as your door stock. Test the fit with one of the rails. Adjust the bit height if necessary.

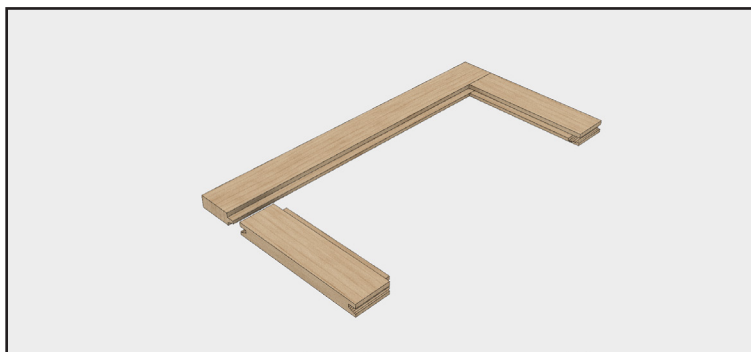
## Step 6: Route the profile.



When you're certain the joint fits correctly, route the profile in your stock. Route all parts with the

outside face down. This bit will produce the profile and back rabbet in one pass.

## Step 7: Assemble the door.



Apply glue to the tenons on both rails, assemble the door and clamp. Allow the glue to set completely before removing it from the clamps (at least 30 minutes).

