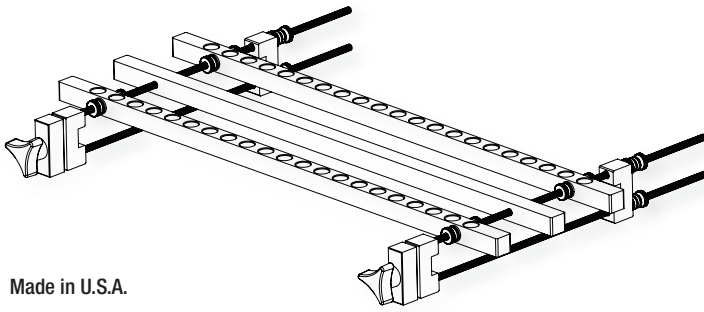


## SHELF PIN JIG INSTRUCTIONS



Made in U.S.A.

If you think you're missing anything, email us at [mailroom@woodpeck.com](mailto:mailroom@woodpeck.com). You can also call us at (440) 230-2442 from 9:00 am to 5:00 pm EST Monday - Friday.

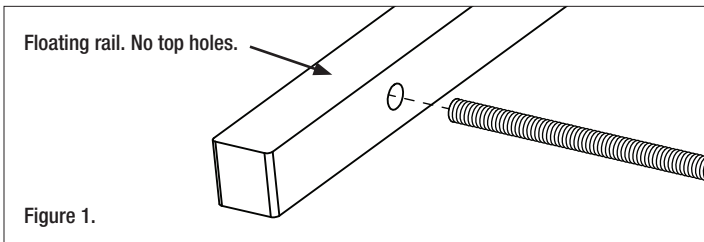


Figure 1.

### STEP 1. Insert Threaded Rods.

Assembly starts from the center out. Begin by inserting each threaded rod into the single floating rail. The floating rail has two holes, both going through the sides. There are no holes along its length. It's used to stabilize your router when using that method versus drilling.

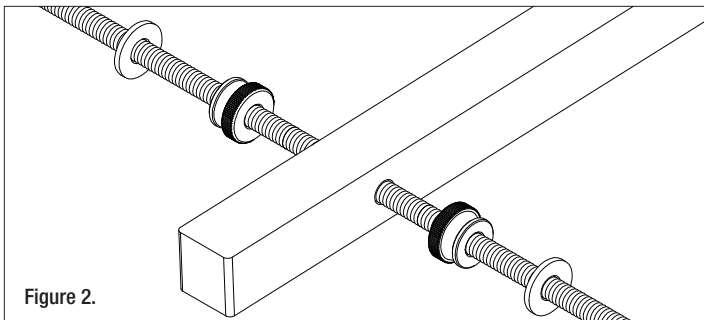


Figure 2.

### STEP 2. First Set of Knobs.

Take a close look at the orientation of the knobs in Figure 2. With the large end of the knob facing the floating rail, thread one on from each end. Follow that with a steel washer. Do not run the knobs against the rail. This rail should always be allowed to slide up and down the rods.

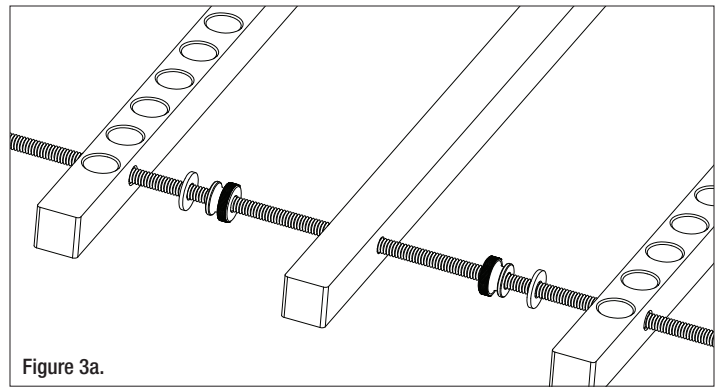


Figure 3a.

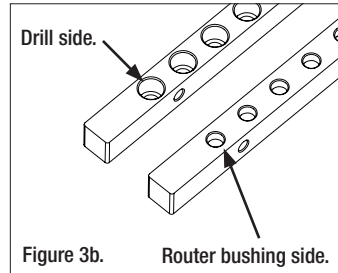


Figure 3b.

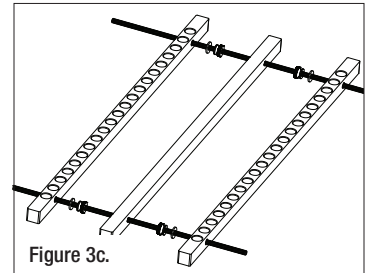


Figure 3c.

### STEP 3. Main Rails.

Notice in Figure 3b the different sides of the rails. The counter bore side is for use with self-centering drill bits. The small opening side is for use with a  $\frac{3}{8}$ " diameter template guide bushing and a router. Now is the time to decide how you'll make the holes. The rails can be flipped over but that requires complete disassembly and reassembly. Once you've decided, slide the rails onto the threaded rods. One from either side of the floating rail.

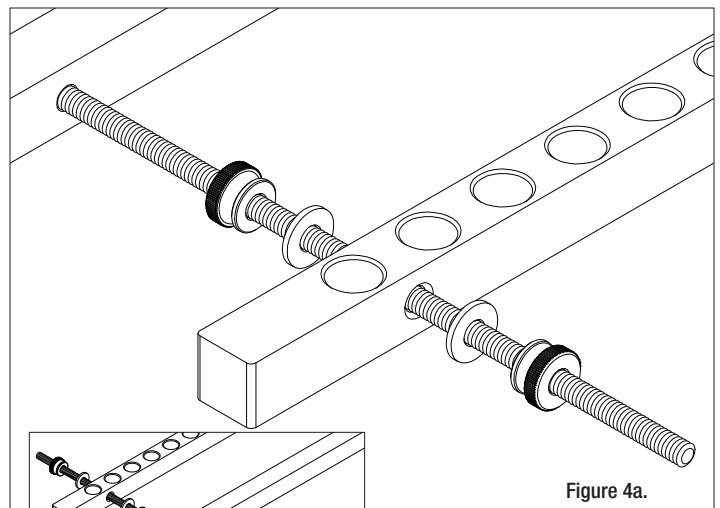


Figure 4a.

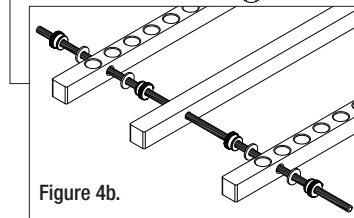


Figure 4b.

### STEP 4. Second Set of Knobs

With both rails on and facing the same way, install a washer and a knob from each end of both rods. At this point, do not tighten any knobs. Be sure to put the knobs on as shown in Figure 4a. The small end of each knob should face the washer which is between it and the rail.

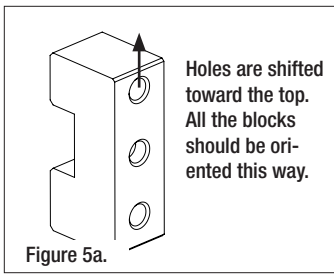


Figure 5a.

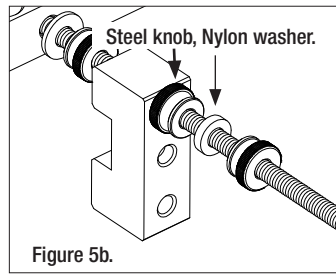


Figure 5b.

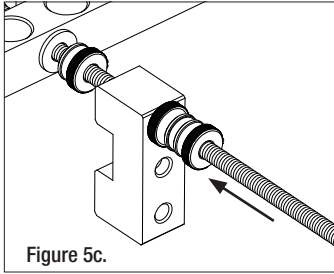


Figure 5c.

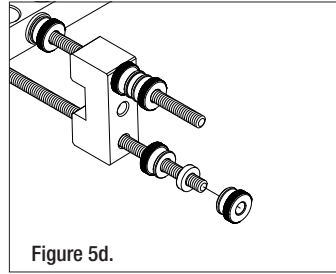


Figure 5d.

### STEP 5. Installing Tail Blocks.

Take a moment to study the hole spacing in the tail blocks in Figure 5a. **(The tail blocks and the clamp blocks are the same. They are shaped like the letter “C”. You should have a total of four.)** Notice that the holes are shifted toward one end which is the top. Make sure that all the blocks are installed with the top facing up.

Slip one tail block onto the end of the rod. Spin on one steel knob, a nylon washer and another steel knob as shown in Figure 5b. Position the last knob about one inch from the end of the rod. Tighten the two knobs together as shown in 5c. Note that these double knobs at the end of each rod are the **ONLY** ones that should be tightened until you’re ready to set the jig up for a particular board width. That’s when the rest of the knobs are tightened.

Insert another threaded rod through the bottom hole and install another pair of knobs and a nylon washer as shown in Figure 5d. This set of knobs should also be about one inch from the end and tightened.

Repeat step 5a, b, c and d for the other set of rods. When you’re done the assembly should look like that in Figure 5e.

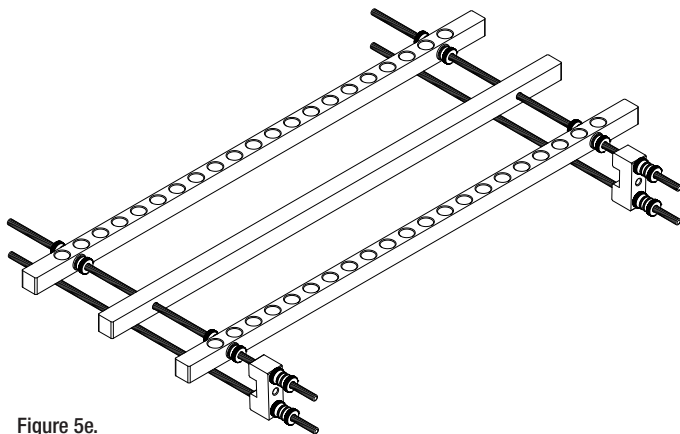


Figure 5e.

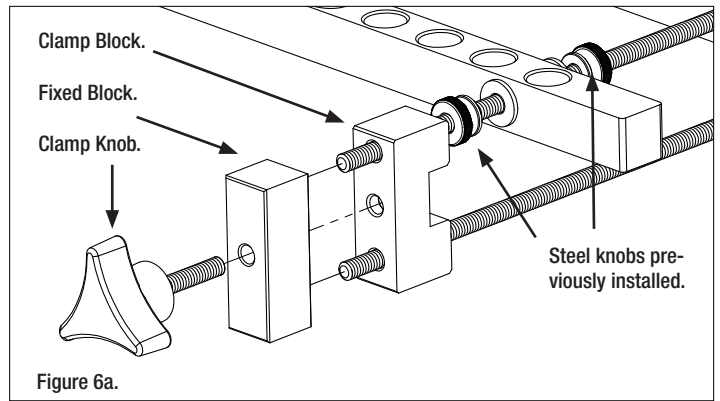


Figure 6a.

### STEP 6. Assembling the Clamp End.

Take a look at Figure 6a to see the order in which the clamp parts get assembled. The steel knobs in the illustration were installed in an earlier step.

First slip on a clamp block. **(The tail blocks and the clamp blocks are the same. They are shaped like the letter “C”. You should have a total of four.)** Follow that up with a fixed block. The fixed block has two threaded holes in one side. Each of the threaded rods need to be fully screwed into these threaded holes. The easiest way to turn the rod is to grab the knob at the other end. Do not use pliers.

Repeat for both rods. Now install the clamp knob through the center hole in the fixed block. Screw the knob about half way into the block. Repeat this for the other pair of threaded rods. When Step 6 is complete the assembly should resemble Figure 6b.

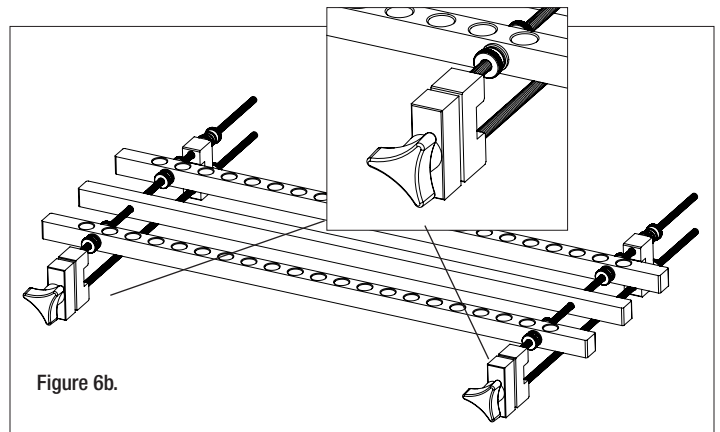
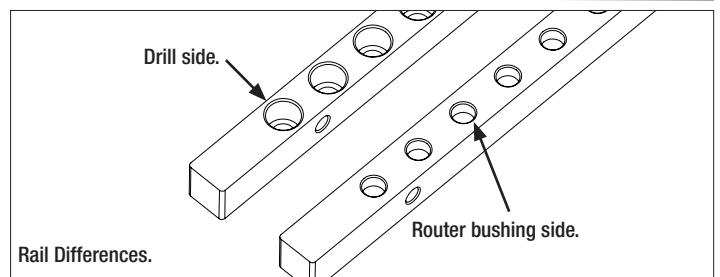


Figure 6b.



### Setting Up for Use.

Before continuing, double check that you have the two rails oriented for whatever method you plan on using, drilling or routing. If you haven’t done so you’ll need to disassemble the jig and reassemble with the desired side of the rails facing up. The large counter bored holes are for drilling and the small holes are for routing.

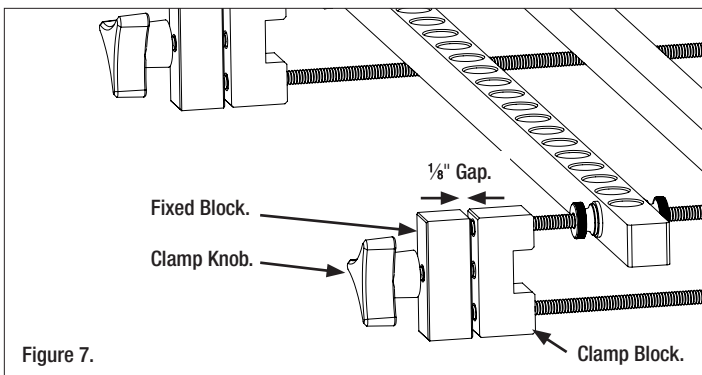


Figure 7.

### Step 7. Space the Clamp Blocks.

Begin by turning the two clamp knobs in far enough for the clamp block to be spaced away about  $\frac{1}{8}$ " from the fixed block.

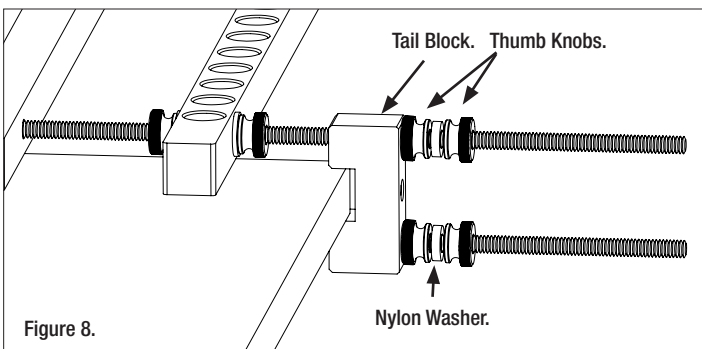


Figure 8.

### Step 8. Adjust the Tail Blocks.

Now move the tail blocks out far enough for your board to slide in. This may require you to loosen the thumb knobs. Once the board is fully in place, push the tail block against the board, lock it in place by bringing the first two thumb knobs tight against the tail block, follow that with the nylon washer and finally the last two thumb knobs. This is an important step because it assures the holes are spaced consistently from the edge of the board as you move the jig along the length of the board. Now loosen the clamp knobs and remove the board.

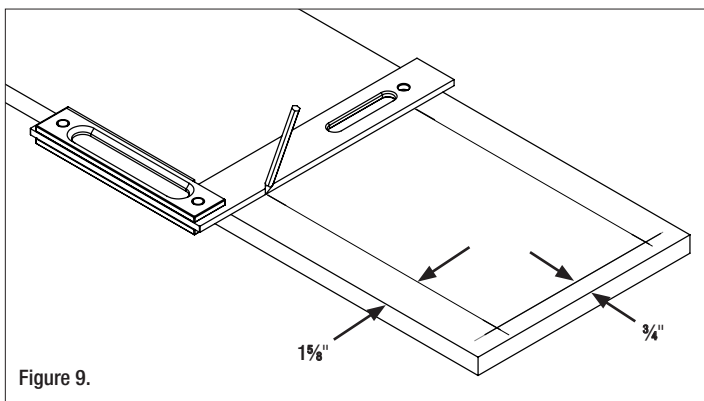


Figure 9.

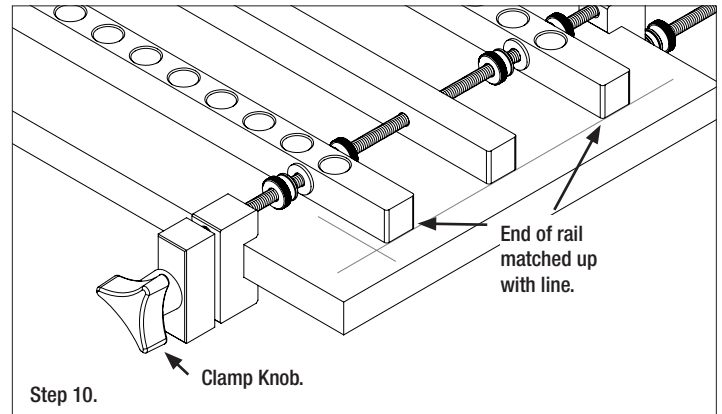
### Step 9. Mark the Board.

The first hole in the inch rails is spaced  $1\frac{3}{4}$ " from the end. For the metric rails the first hole is 42.6 mm from the end.

Figure out how far from the end of the board you want your first hole. Subtract  $1\frac{3}{4}$ " or (42.6 mm for metric rails) and draw that mark

across the board. For instance if you want the first hole to be  $2\frac{1}{2}$ " from the end of the board, draw a line  $\frac{3}{4}$ " from the end of the board. ( $2\frac{1}{2} - 1\frac{3}{4} = \frac{3}{4}$ ).

Next mark the board for the distance the holes will be from the front and back edges. The holes are machined  $\frac{3}{8}$ " from the side of the rail. So if you want your holes two inches from the edge, draw a line  $1\frac{5}{8}$ " from that edge. ( $2 - \frac{3}{8} = 1\frac{5}{8}$ ).



Step 10.

### Step 10. Position the Jig.

Once you have the board marked, slide it back into the jig. Align the end of the rails with the pencil mark and tighten the clamp knobs.

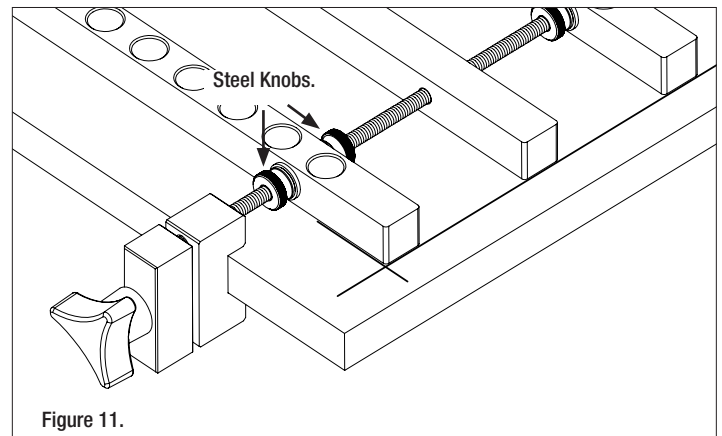


Figure 11.

### Step 11. Adjust the Rails.

With the steel knobs loose, slide the rail so it matches up with the pencil marks and secure it in place by tightening the steel knobs. Repeat for the second rail.

Now you're ready to drill shelf pin holes. Note that indexing pins are provided if it's necessary to extend a row of holes. After a full series of holes have been drill, slide the jig down and insert a pin into the last drilled hole and the first hole in each rail. Tighten the clamp knobs and keep drilling.