



## Jig/Template Instructions

### Step 1

Secure your 5"x5" PVC post to a work table. We recommend taping the edges of the jig so you do not scratch the PVC post when sliding it on or while in use. Place the jig over the 5"x5" PVC post. Make sure and measure the correct distance from the bottom or the top of the post for the location of the rail hole. The top has a space of 2" to the top of the rail and the bottom has 4" to the bottom of the rail. Secure the jig to the PVC post so it does not move around while you are cutting out your hole.



## Step 2

Once your jig is measured and secured in the right place on the PVC post you will need to get your router ready. Use a plunge router with a straight 1/4" bit. It is important to make sure the plunge is set correctly so the shaft of the bit will run along the edge of the jig. You do not want the cutting portion of your bit hitting the metal jig. The jig is manufactured to sit above the PVC post by about a 1/2". This is to allow room for your cutting bit to run underneath the jig and cut the PVC. In summary the shaft of your bit runs along the jig edge while the cutting part of your bit runs underneath the jig edge.



### Step 3

Now that your jig is ready to use you can start by cutting a hole in the center of the template. Once your hole is made continue to cut and move to the edge of the jig. Run the router around the edges of the jig to cut out your hole for the rail. Go slow and don't put too much pressure on the router or jig. It's better to make several light passes around the jig to get the desired cut.



#### Step 4

Now that your hole is made you can remove the jig from the PVC post. Take a rail to test the hole to make sure it fits correctly. If not then you may need to put the jig back on and make another cut. If you are still finding it hard to get the desired cut you can try tilting the router on the jig to make more contact with the PVC to widen the hole. The cut is meant to be a tight fit.

