

Bandsaw Circle Jig

This is a jig I have put together after seeing a few online and listening to members a few meetings. I used some of the online designs and added a few my own. This isn't meant to be a how-to document but rather an overview.

Y'all are smart enough to figure out the steps.

To start I have a 14" Jet Bandsaw.

The table is 15"x15".

I used a 20"x20" piece of high-grade $\frac{3}{4}$ " plywood.

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I ran a cut with the bandsaw about halfway (10") through the board.

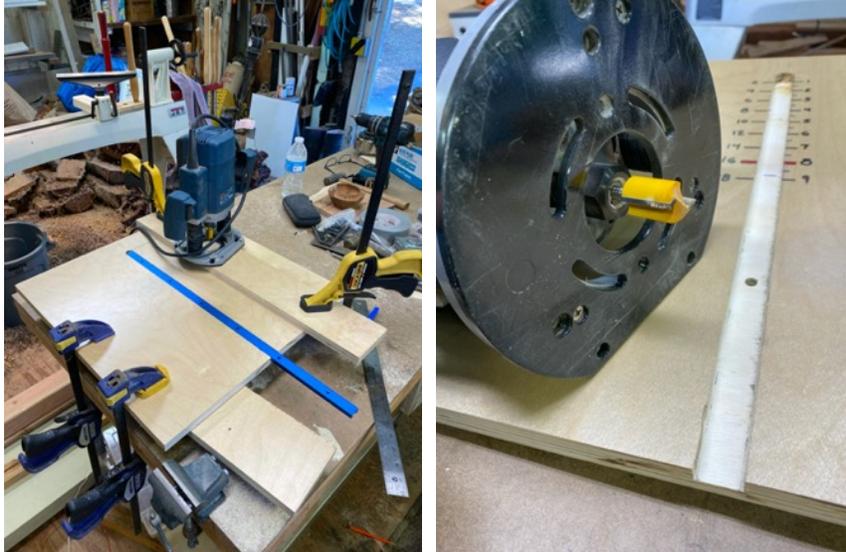
You'll then want to place the runner track on the underside. I also place a small track to be used as a stop. This will stop the jig at the $\frac{1}{2}$ way through. (Right photo below)



The channel for the T-bar.

Making sure the top of the T-Bar is flush with top of ply.

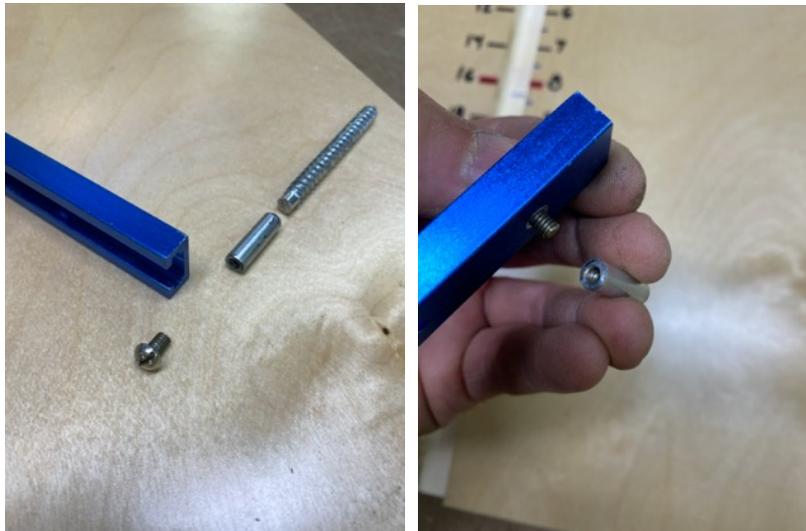
T-Bar from Amazon: https://www.amazon.com/dp/B07ZC2VD4H/ref=cm_sw_em_r_mt_dp_XxHIFb9QESDZZ



Making the pin from a 1/4" lag bolt:

Cut the head of the bolt then the threads.

I then tapped for a screw to hold it to the T-bar. Also drill a hole in the T-bar for the bolt.



I then used an elevator bolt for riding in the T-bar and securing for a set radius of a bowl blank. As you can see, I shaved off the sides to fit the T. This also keeps it from rotating as you tighten from the underside.



Tightening screw from the underside. Note drilled hole in center of channel for this bolt post.

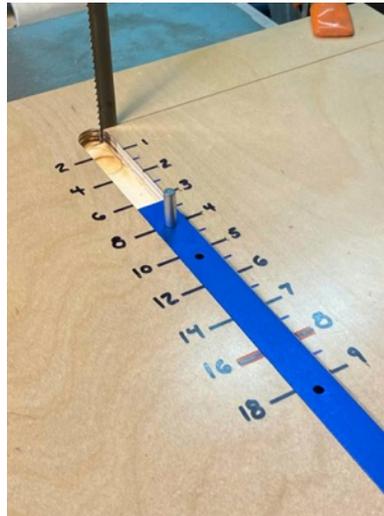


To keep the jig stable, I added a small clamp in the corner. Using an elevator bolt here again. I place some paper gasket as to not damage the saw channel. Clamp was made from steel stock.

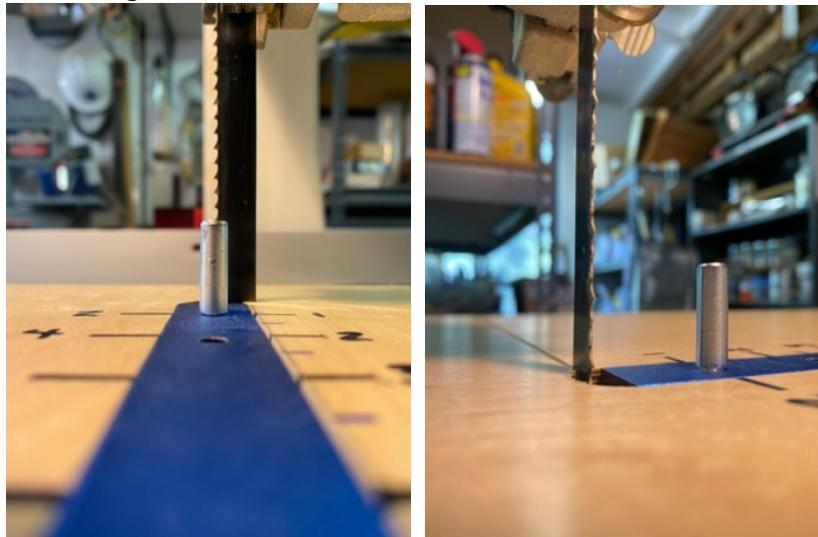


A few notes:

The measurements on the right are inches from the blade. The left-hand measurements are representative of the cut blank size. I place a red line at 8" and 16" as this is max swing of my lathe. (Jet 1640) In this image, the jig is set up for cutting an 8" blank. Also, the little round edge at the side of the blade, just behind the teeth, makes for a great stop for the rail. This was unplanned.



I also made sure the center of the post is in line with the cutting, front edge, of the bandsaw blade. Not sure if this is right. This seems to work and not bind as I cut.



The test piece: After drilling a center hole, you place it on the pin, fire up the saw and rotate.
A 5" blank of Cherry!

Works great.

