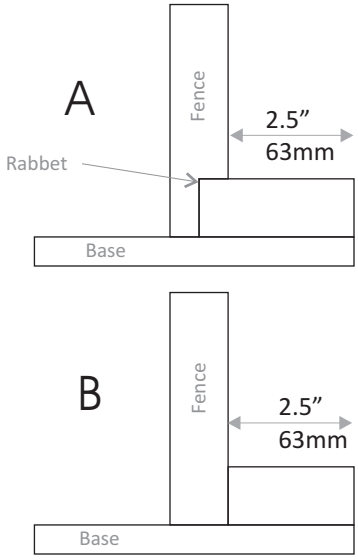
Crosscut Sled Notes

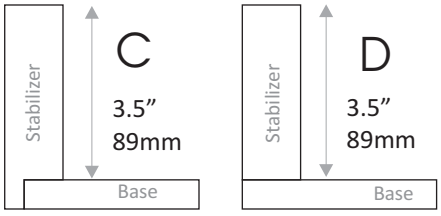
Patrick Sullivan

I am showing the exact dimensions of the crosscut sled I currently use. However, many of those dimensions are arbitrary and not critical. It could be moderately larger or smaller in both length and width. I built it with American measurements, but if I built it with metric measurements, I would round all the dimensions to convenient, even numbers.
The two things I would not adjust are the dimensions for the thickness of the materials, and the height of the fence. 24mm ply can be made by gluing together two sheets of 12mm.
This jig is built for a table saw with a 10 inch blade (254mm). It anticipates that you will not need a blade height more than about 2.5", or 65mm, above the jig table top. If your saw uses a blade with a significantly larger or smaller diameter, then some adjustments may be desirable.
These plans do not show the locations or size of the runners. These have to be individually set to fit your saw. Select a durable hard wood for the runners. I use white oak.

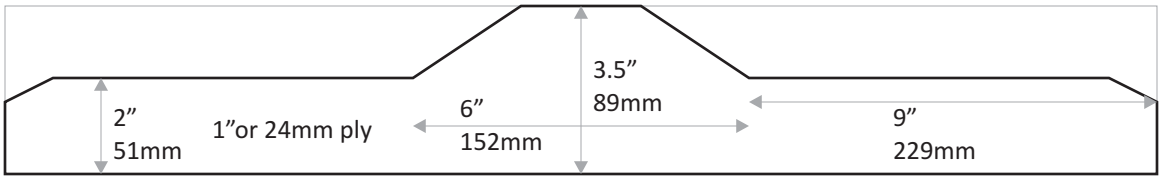
The rear fence consists of two pieces of 1" or 24mm plywood glued together at a right angle. There are two ways to do this, shown in the drawings at the right. Drawing A shows a rabbet cut in the vertical piece. This makes it a little easier to glue the pieces together very accurately. However, simply butting the two pieces together, as shown in drawing B, also works. Please note that you will need to cut the horizontal piece to a different width to account for the presence or absence of the rabbet.

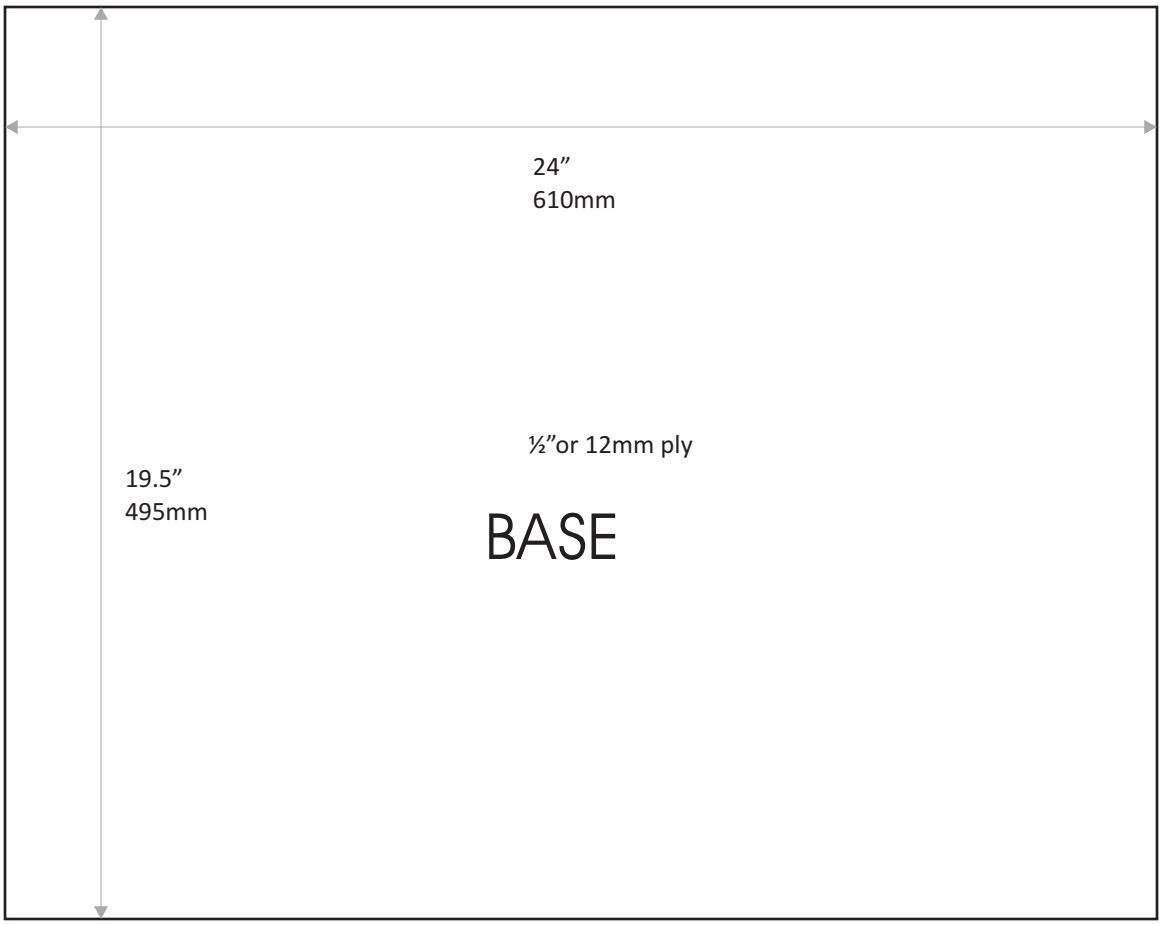


The front "fence" or stabilizer can be attached to the base with or without a rabbet. I don't think it makes much difference which method you use. However, please remember to adjust the height of the stabilizer piece to account for the presence *(drawing C)* or absence *(drawing D)* of the rabbet.

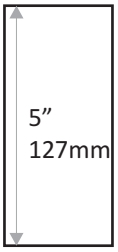


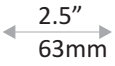
Please refer to my YouTube video "***Crosscut Tips and Strategies***" for a discussion of the reasons for the various features, and for photos of the completed jig.

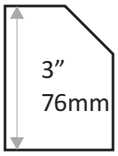




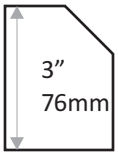
1”or 24mm
solid hardwood



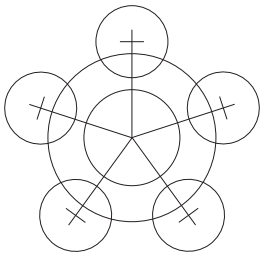




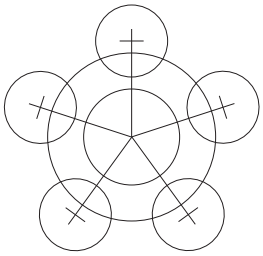
1”or 24mm ply



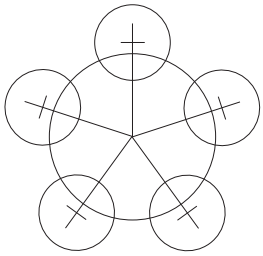
Small Locking Knob for Miter Gauge



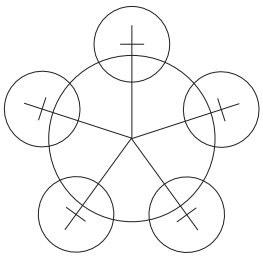
7/8” knob
3/8” drill



7/8” knob
3/8” drill



22mm knob
10mm drill



22mm knob
10mm drill