

Setup instructions for multiple angle clamping jig



Clamp the jig onto WoodRat sliding bar

Position each of the jig end pieces next to the WoodRat nylon fences then tighten both cam clamps to secure the jig to the face of machine. The fender washers on the end pieces should ride on top of the fences.



Square faceplate to WoodRat base plate

Loosen both end knobs then square the jig faceplate with bottom of WoodRat base plate using a try square. Tighten the end knobs.



Position the faceplate stops

Remove the jig from WoodRat and lay face down on workbench. Adjust the alum stops against the faceplate.



Angle the faceplate to 45-degrees

Loosen the end knobs then, using an angle finder, adjust the faceplate to a 45-degree angle.



Adjust hinge positions if necessary

If you were not able to square the faceplate and adjust it to a 45-degree angle then you may need to move the side hinges forward to reduce or backward to increase the angle.



Remove excess burr on clamp rods

Push each clamp rod forward and backward in one of the faceplate metal sleeves to remove the excess burr on the rods. After the excess burr is removed the rods should slide easily in the sleeves.



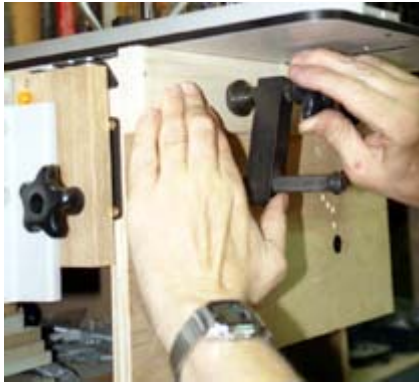
Assemble the friction clamps

Remove nut then screw clamp foot into clamp arm. Replace nut then screw on clamp knob until it engages the nylon bushing in the knob. Using 2 wrenches, tighten the nut against the knob.



Raise jig to mortising height

For mortising, place an orange stop in one of the 3 holes in each end piece. Use top hole if no riser plate, 2nd hole if one riser plate and 3rd hole if 2 riser plates. Re-clamp the jig with the stops riding on top of the fences.



Mount wood for mortising

To mount wood for mortising use 2 friction clamps. Slide clamp rod through clamp arm and into a metal sleeve in faceplate. Tighten clamp foot against wood while pushing downward on rear of clamp arm with thumb.



Mount wood for miter tenon

To mount wood for tenoning remove the orange stops so the fender washers ride on top of the end pieces. Stops can be used on jig faceplate to set a miter angle. Using the top holes nearest the center and one of the middle holes you can set either left or right stops at 0, 5, 10, 15 and 20-degrees. Using the outside top holes you can set stops at 22.5, 25, 30, 35, 40 and 45-degrees.



Mount wood for compound angle miter

To cut a tenon at a compound angle setup a miter tenon as above for first angle. Loosen the end knobs then, using an angle finder, swing the faceplate out to the desired second angle. Tighten the end knobs.

Note: The angle finder angle plus faceplate angle should equal 90-degrees.