

ZY Plate - WA-050-S

Step 1

Drill three 1/2" counterbores to 1/4" depth to allow the heads of the screws are flush to the wood.

Drill the four holes positioned at the four corners of a rectangle. The holes must be positioned such that they are perfectly aligned horizontally and vertically. If they are not perfectly aligned, the one of the holes can serve as an adjustment hole by drilling a slightly larger hole. the larger hole will enable that set of bearings to be pushed against the rails of the Y and Z axes simultaneously by pressing diagonally towards the rails and then tightening.

Drill hole to the left. The vertical position of this hole is not critical. Feel free to vary the position by 1/8" in either direction. However, try to keep the horizontal position as an error will affect the alignment of the lead screw.

The top three holes are counterbores to make sure the heads of the screws are flush with the part. This will allow the z-axis assembly to have the clearance necessary for full travel. The four holes aligned in a perfect square position will each hold two v-groove bearings. the hole to the left fastens to the anti-backlash nut mount.

