

Extruder Bearing Hinge - WA-110-S

Steps 1 and 2

Drill nine (9) 1/4" holes in the various locations.

Counterbore a 1-1/2" half the thickness of the material.

Drill four (4) counterbores to 1/8" in depth to provide for 3mm screws. The counterbore depth may be different depending on the material thickness and the length of the 3mm screws. Typically, the 3mm screw will be 20mm in length. The mounting holes are 60 degrees with respect to the center of the motor cylinder end, but not in relation to the shaft as the shaft is off center.

Drill the motor shaft (labeled 25/32") as large as possible without conflicting with the mounting counterbores.

Note: The shaft of the motor is not centered with respect to the mounting holes.

Step 2: Drill the mounting holes using the center of the counterbores.

Drill the final hole for the hinge on the top right.

Cut along the lines to provide the final shape of the part.

There are three holes that serve to mount to the z-axis rail support (WA-070-S) around the perimeter. The cluster of holes on the bottom right will provide the notches to strap the nozzle and provide the notch for the spring or rubber band. The Large counterbore serves as the opposite side for the hinge. The four counterbores and the larger through hole is for the motor mounting holes and the non-centered shaft for hold the pulley.

