Extruder Bearing Hinge - WA-110-S

Steps 1 - 4

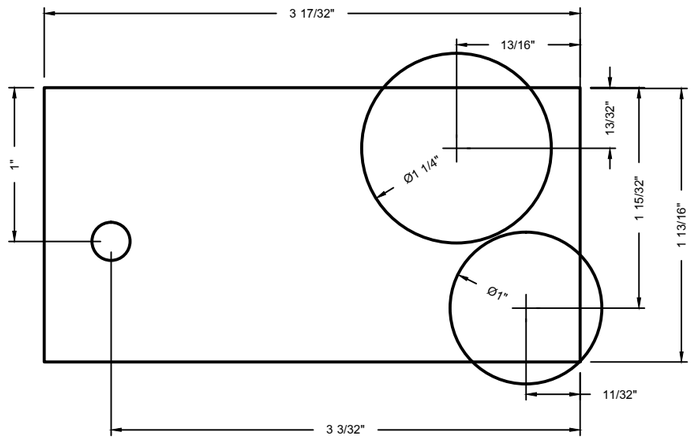
Since this piece will have a hinging action, some of the material must be removed.

Drill two large counterbores for mass material removal. The counterbores can be larger than shown, but not so large that the structural integrity is reduced at the lower thin area of the part. the material to be removed should be half the thickness of the material.

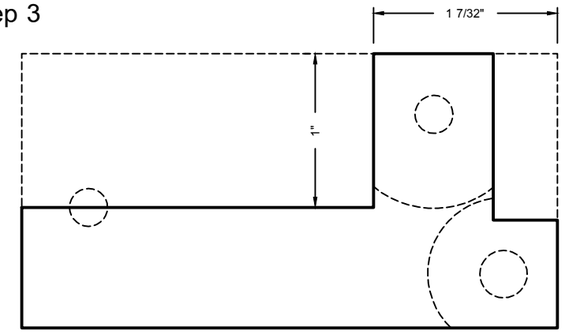
Step 2-3: Cut an "L" shape off of the part to provide access for the next part and so that the bearing will meet the pulley on the motor shaft very tightly.

You will notice that this part appears very different from the part in context on the previous page. This is due to the complexity of the part. The steps and process to fabricate this piece was selected for simplicity; however, there are many ways to make this piece. The upper right area of the part will have half of the material removed for the hinge and the lower area will need all of the area and a notch to contain a spring or rubber band to hold this piece against the next piece.

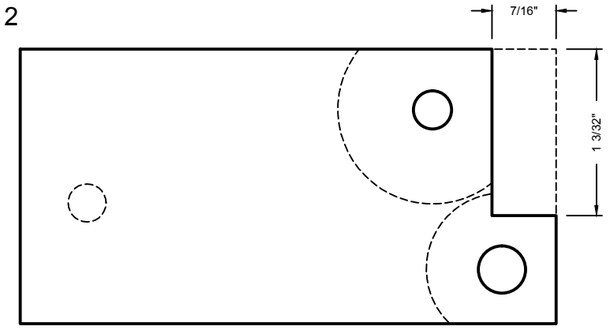
Step 1



Step 3



Step 2



Step 4