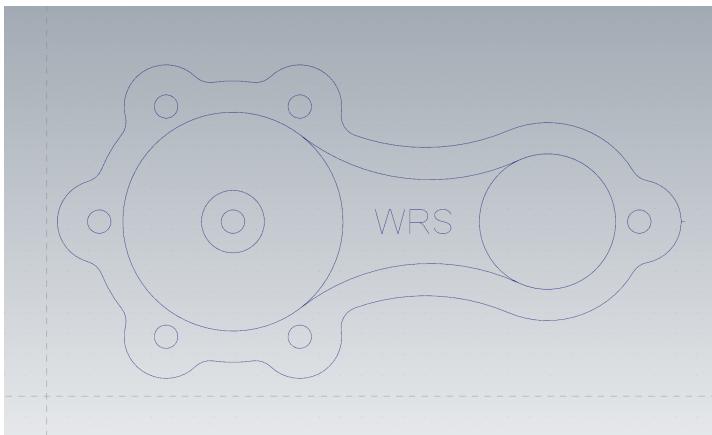
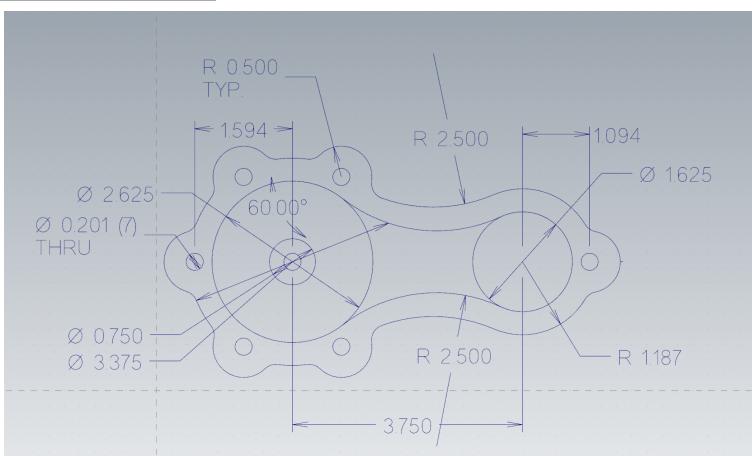


CCET 3680
Mill Lesson 8 Second Exercise

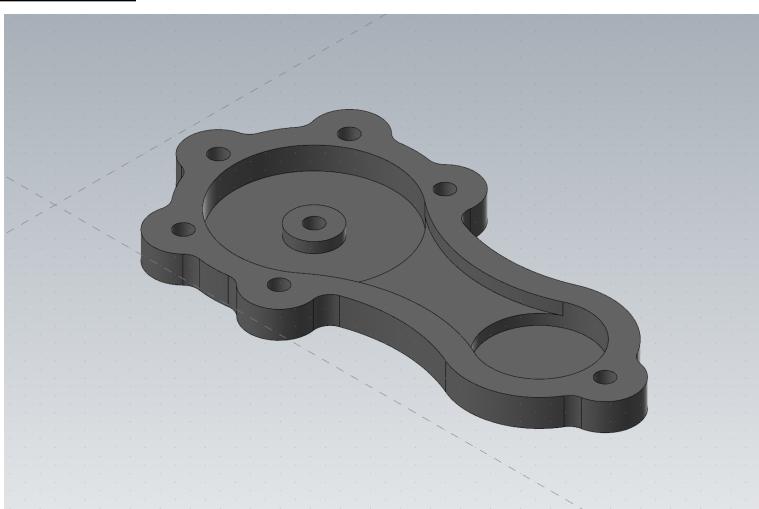
I. Wireframe:



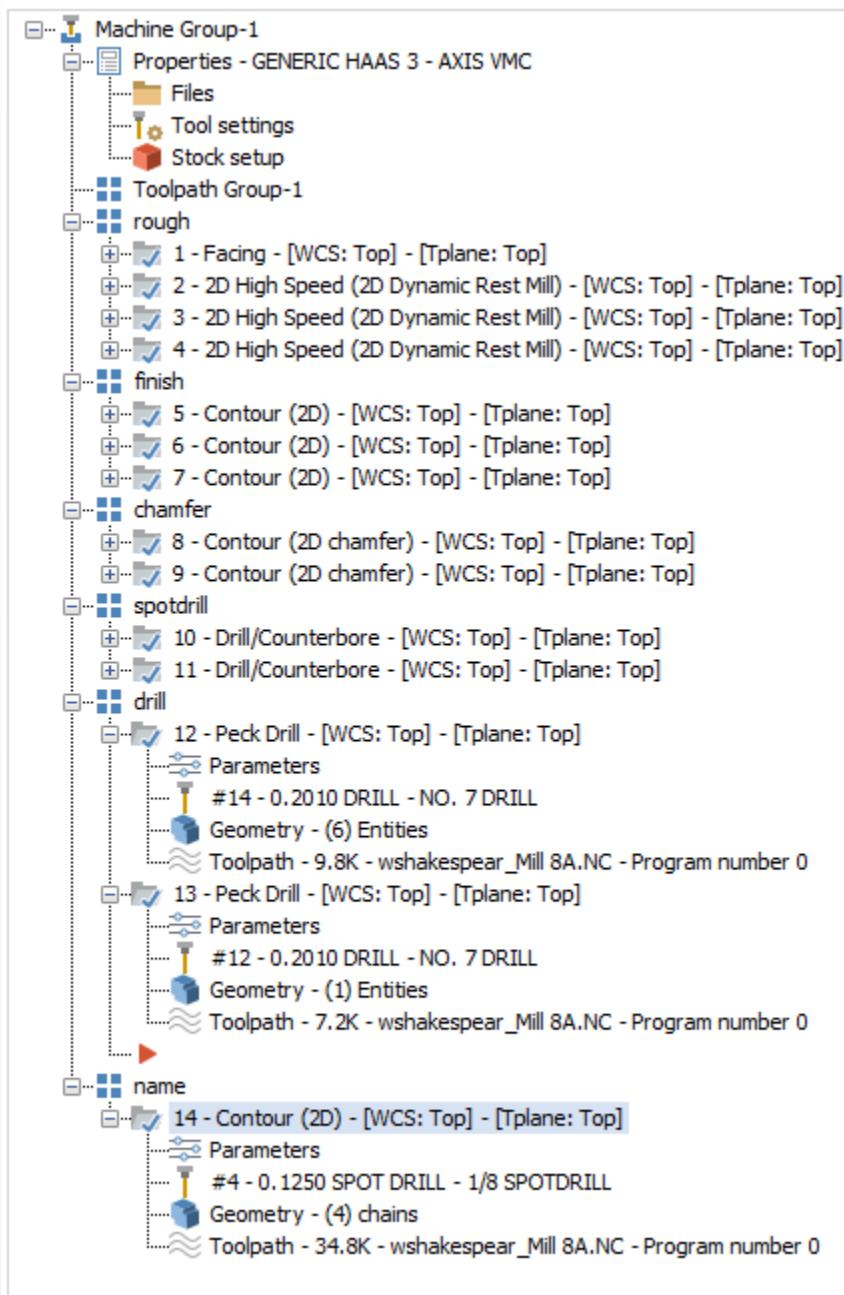
II. Dimensions:



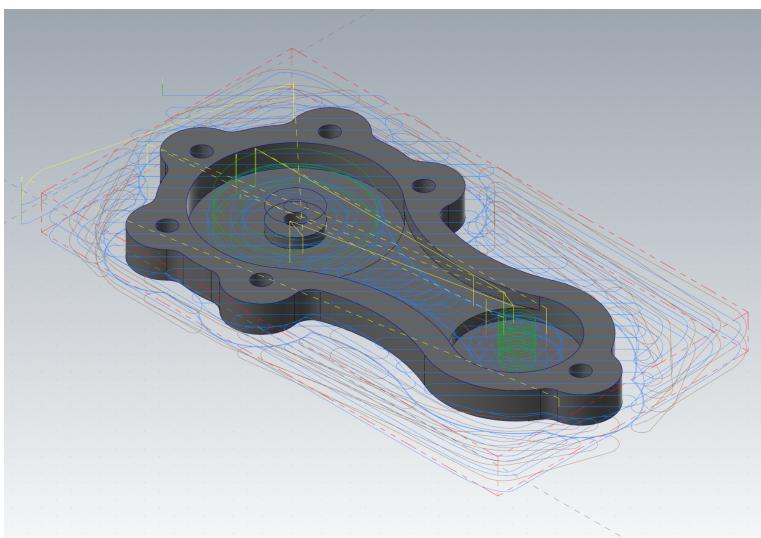
III. Solid:



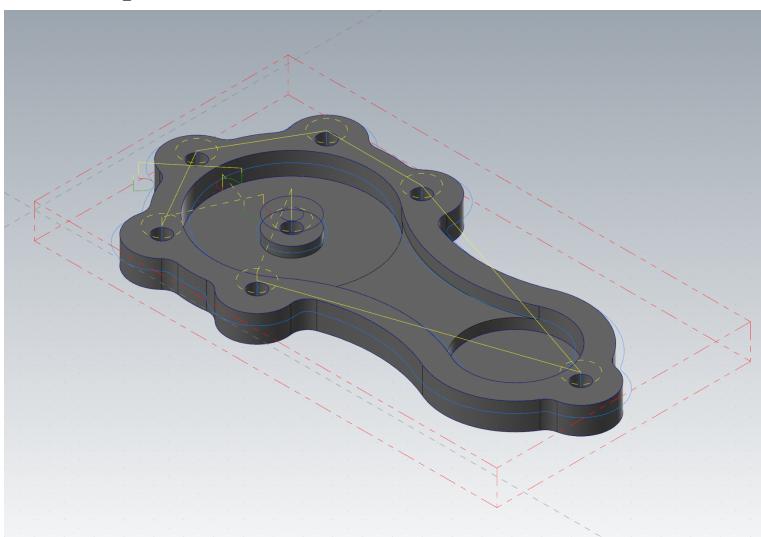
IV. Toolpath:



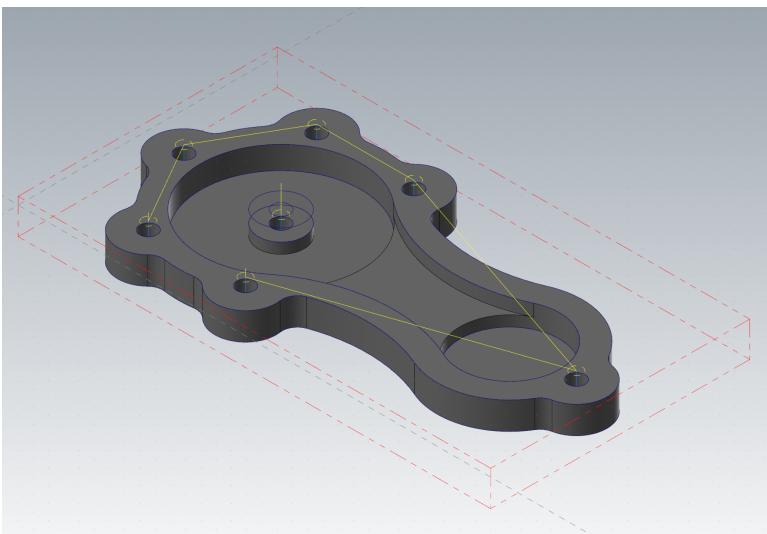
V. $\frac{1}{2}$ " Endmill:



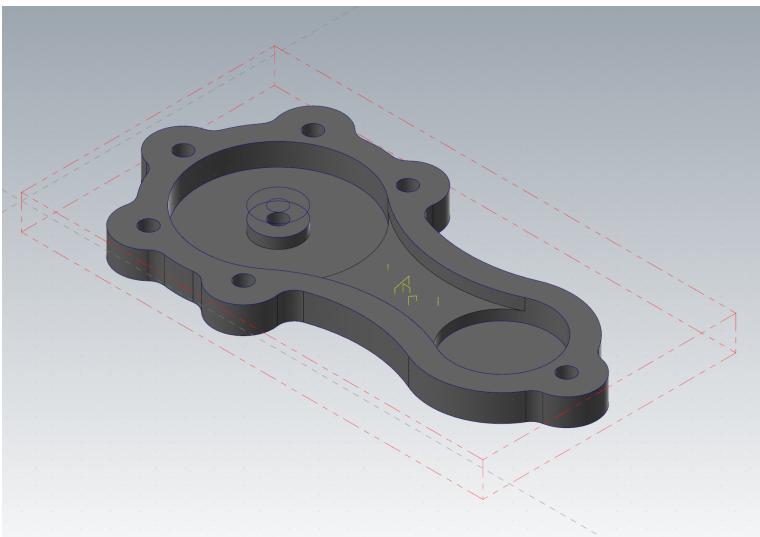
VI. $\frac{1}{2}$ " Spot Drill:



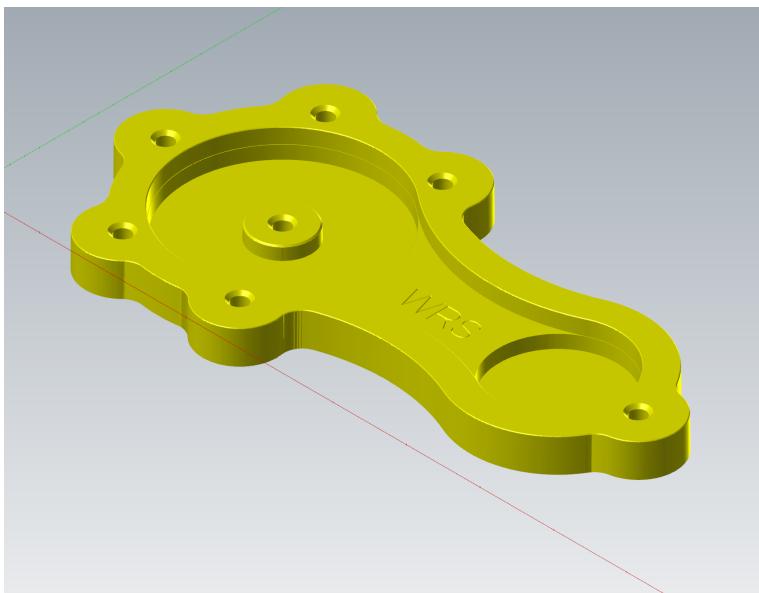
VII. 7 Drill:



VIII. $\frac{1}{8}$ " Spot Drill:



IX. Final Solid:



X. Method:

For this part I drew the radii in and then the rest of the features using the x,y coordinates of them. Then I added the tangent radii and used a polar copy for the thru holes.

XI. GCode Changes

To modify my gcode to be compatible with the machine I first made sure the HAAS 3 axis post processor was selected when exporting the gcode. Then I removed the long lines at the beginning and edited the last G28 home command to not zero the x axis.

XII. Finished Part



XIII. Quality Report

Hole Diameter: 0.2015in

Large Diameter: 2.5995in

Small Diameter: 1.6285in

XIV. Mate

