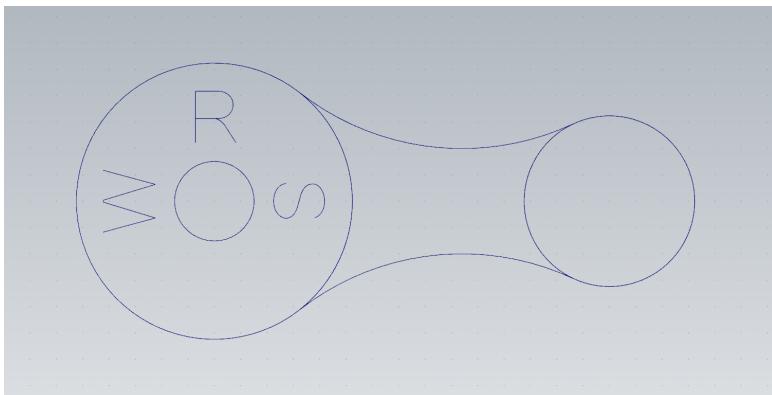
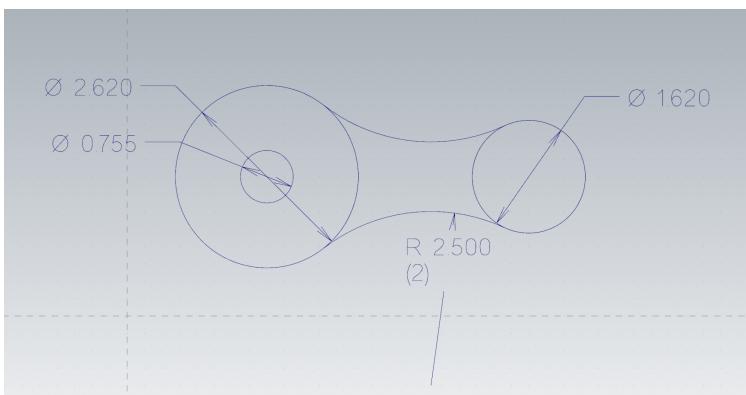


CCET 3680  
Mill Lesson 8 Second Exercise Mating Part

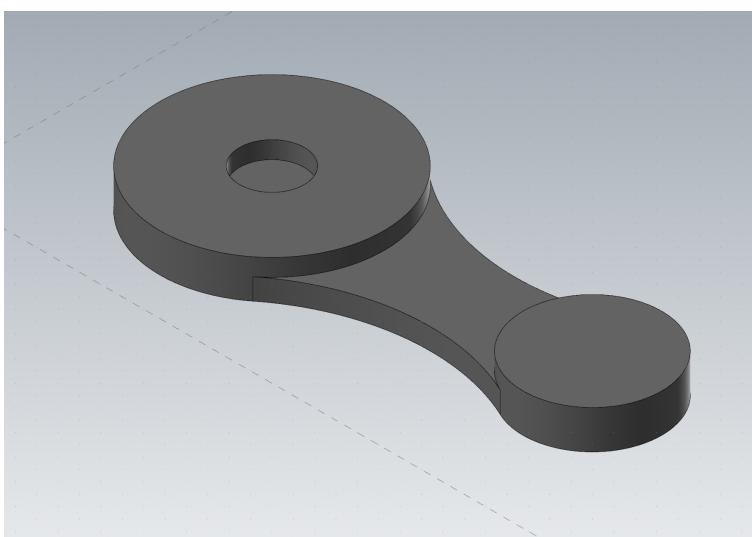
I. Wireframe:



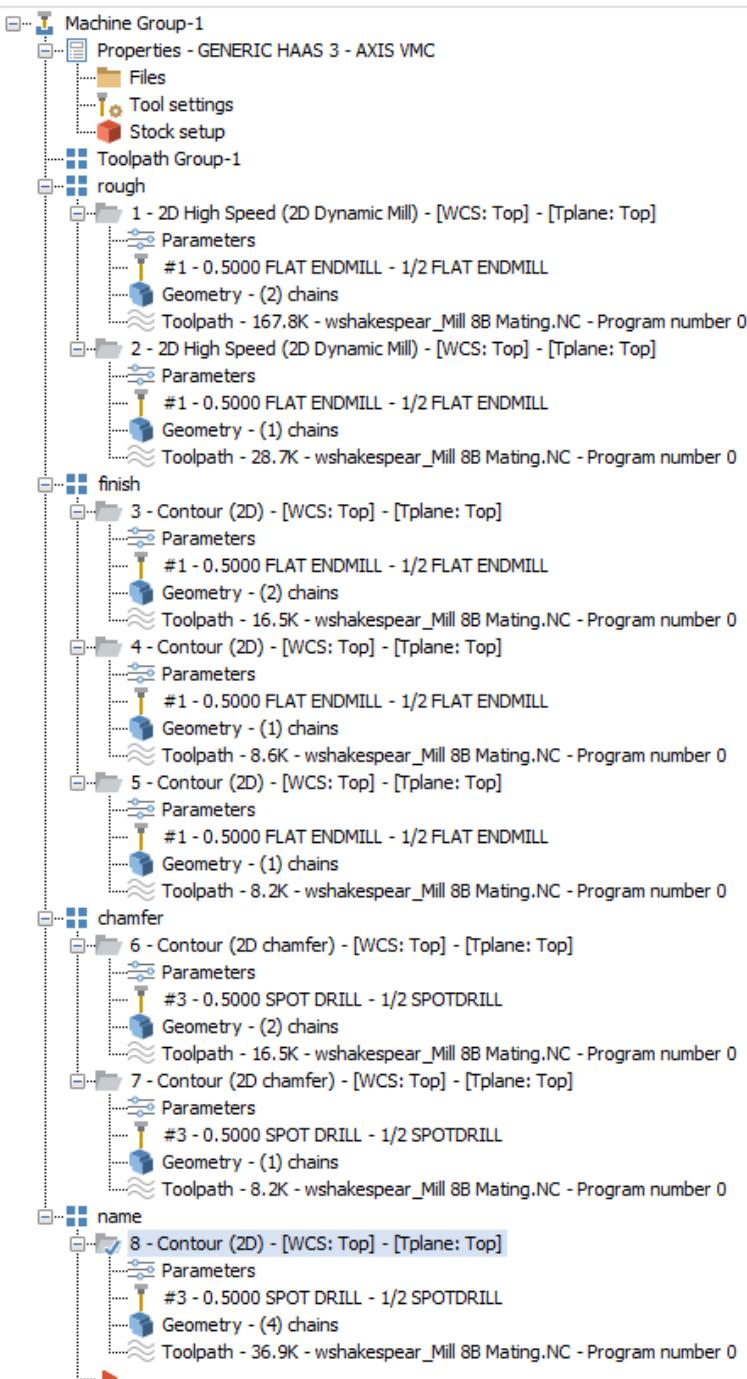
II. Dimensions:



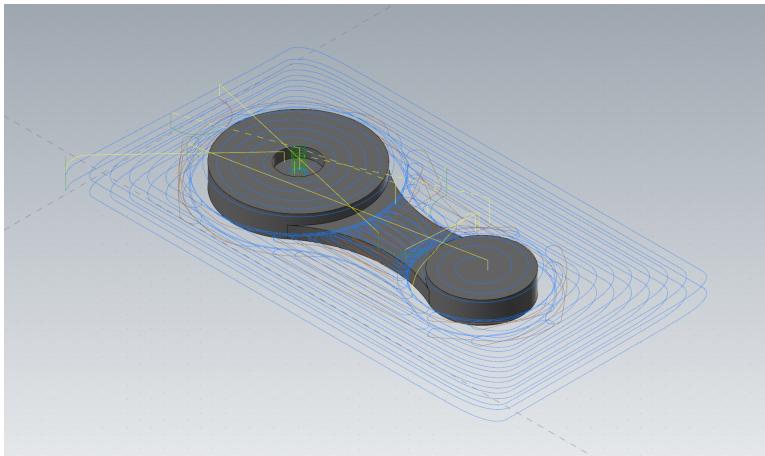
III. Solid:



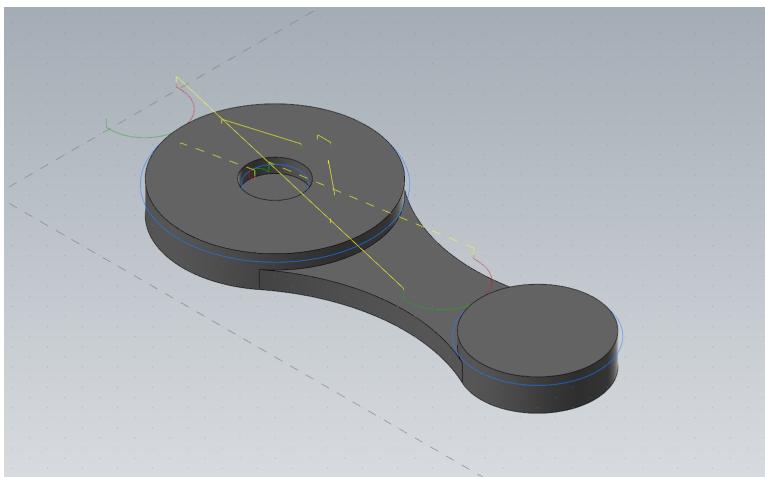
## IV. Toolpath:



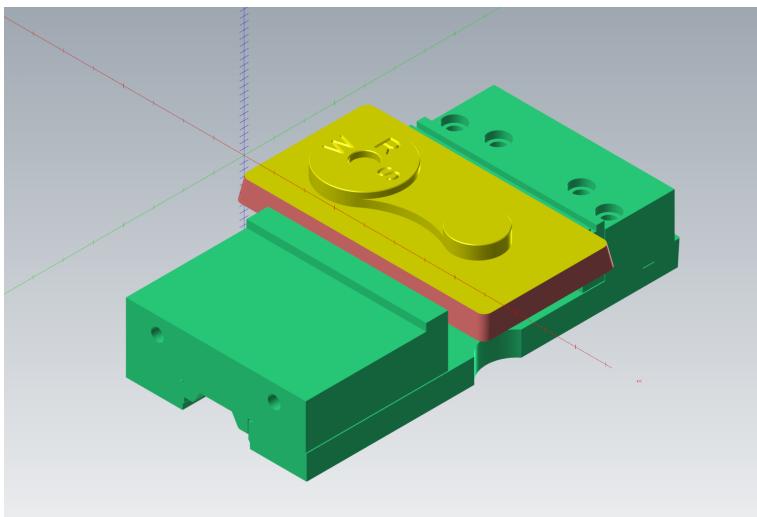
V.  $\frac{1}{2}$ " Endmill:



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



## VII. Final Solid:



## VIII. Method:

This part was very simple to make. I just drew the two circles in using the absolute position of them and then added the tangent radii.

## IX. 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.

## X. Finished Part



## XI. Quality Report

Outside X: 5.8660in

Pocket Diameter: 0.7525in

Large Diameter: 2.6175in

Small Diameter: 1.6190in

XII. Mate

