

Modeling Assignment 3

Use Inventor to model the following parts using millimeters and assign materials as specified. Create drawing files as shown in figures. Use portrait layout in the drawings if needed. **Centerlines** and **dimensions** are required. Recommended scale for both drawings is 2:1.

1. Stem (Material: Bronze, Soft Tin)

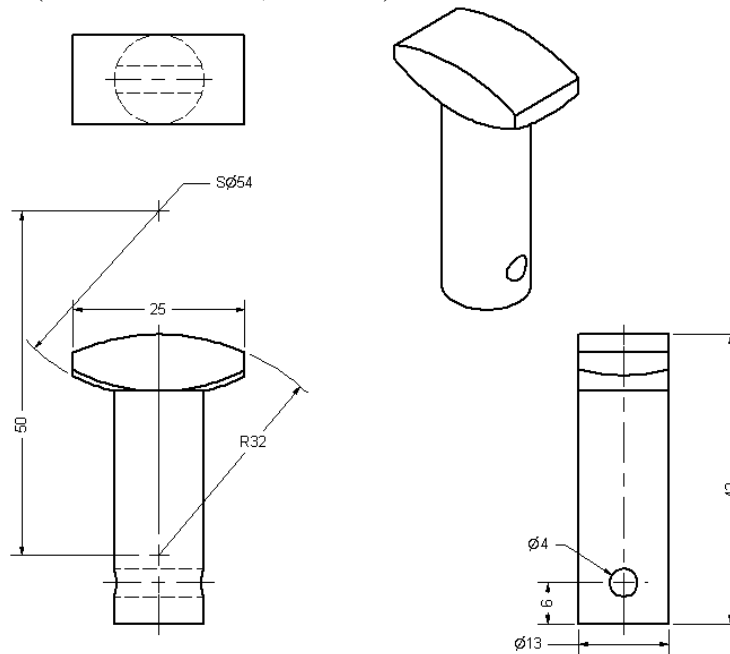
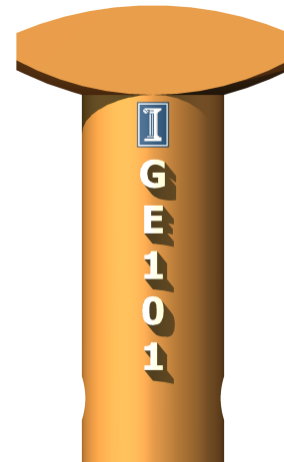


Figure 1.1: Stem drawing



Extra credit: On Stem, Decal an image (bmp file) (3 points) and Emboss a text (2 points)

2. Garlic press piston (Material: Steel, Mild)

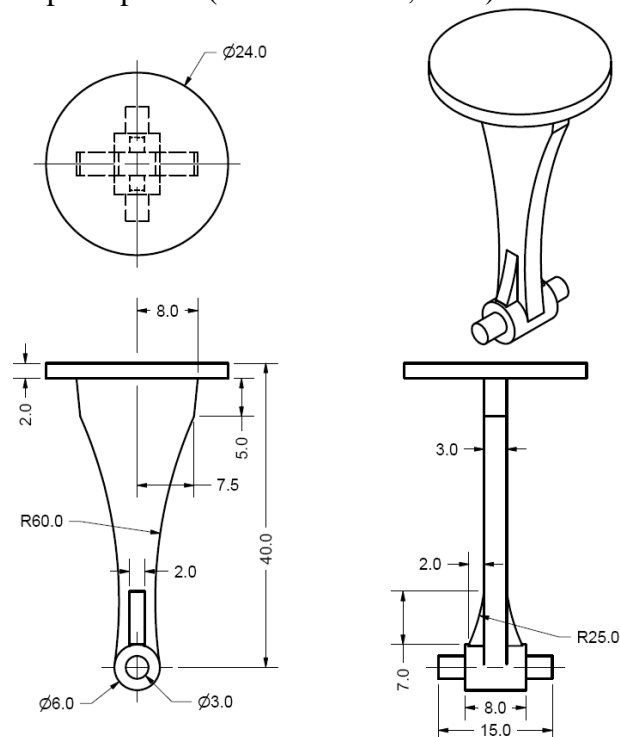


Figure 2.1: Garlic press piston drawing

Note: the 7.0 mm dimension refers to the distance from the top of the rib to the limiting element of the $\phi 6.0$ cylinder