

## Modeling Assignment 1

Use Inventor to model parts 1 through 4. Submit prints with screen captures of an isometric view, and a dimensioned profile view for each part, as shown below.

Note: Model units are all in **millimeter**. Assign **materials** to parts as specified. Save yours files as you may use them in a later assignment. To display an isometric view, click the 'Home' icon above the ViewCube, or press F6. To display a dimensioned profile: In part browser, right-click on the feature and then select 'Edit Sketch' to display the consumed sketch. For best screen capture results, you can temporarily switch to the Presentation color scheme in Tools > Application Options> Colors tab, prior to make screen capture.

### 1. Oring2 (material: silicone)

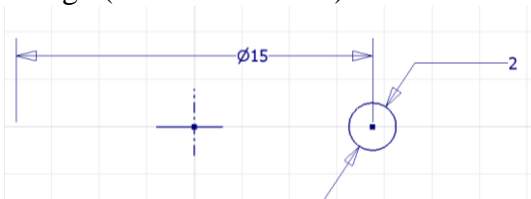


Figure 1.1: Oring2 base feature sketch



Figure 1.2: Oring2 completed part

### 2. Seat (material: bronze, soft tin)

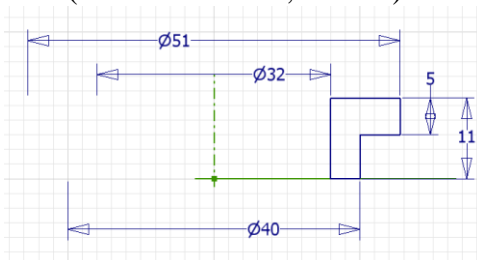


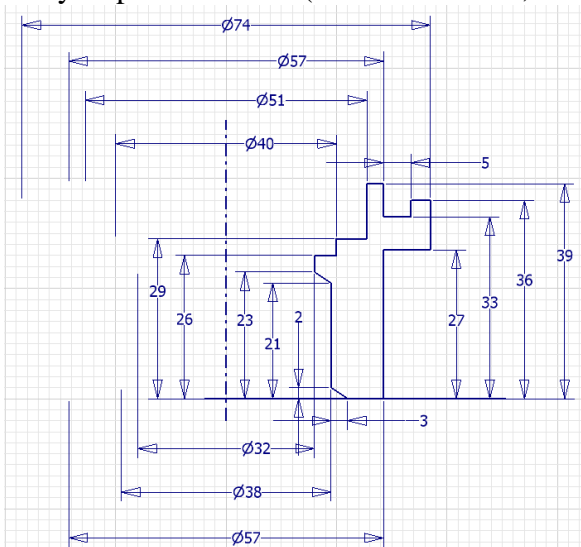
Figure 2.1: Seat base feature sketch



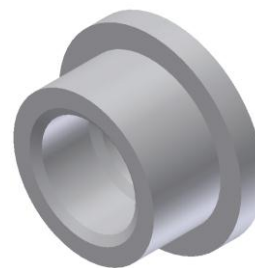
Figure 2.2: Seat completed part

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### 3. Body Cap base feature (material: bronze, soft tin)

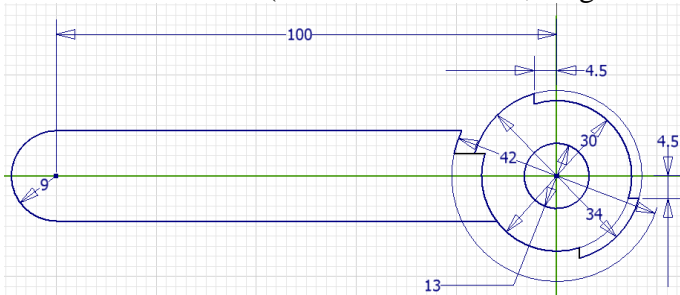


**Figure 3.1:** Body Cap base feature sketch

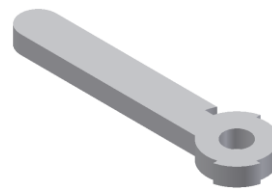


**Figure 3.2:** Body Cap base feature

### 4. Handle base feature (material: mild steel; height: 9 mm)



**Figure 4.1:** Handle base feature sketch



**Figure 4.2:** Handle base feature