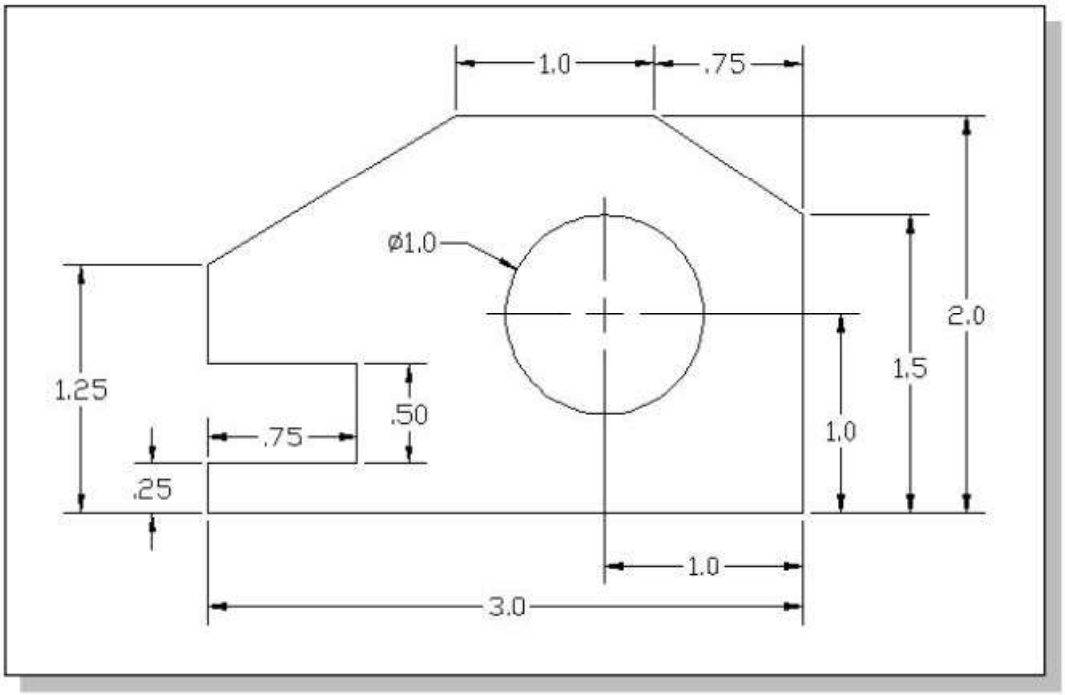
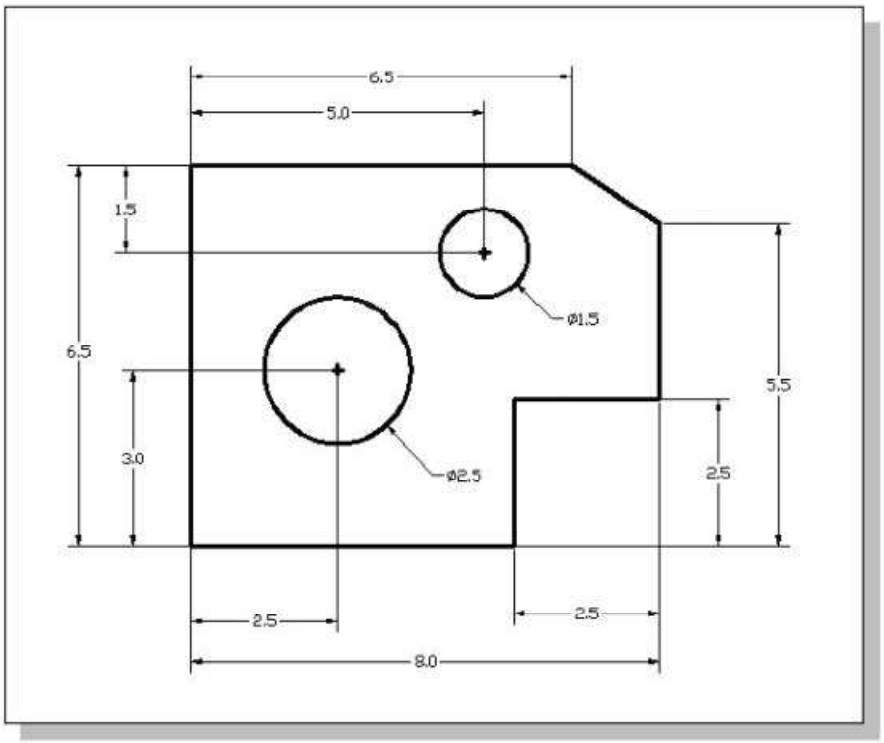
Exercises: Create and save the exercises in the Chapter2 folder.
(Time: 150 minutes. All dimensions are in inches.)

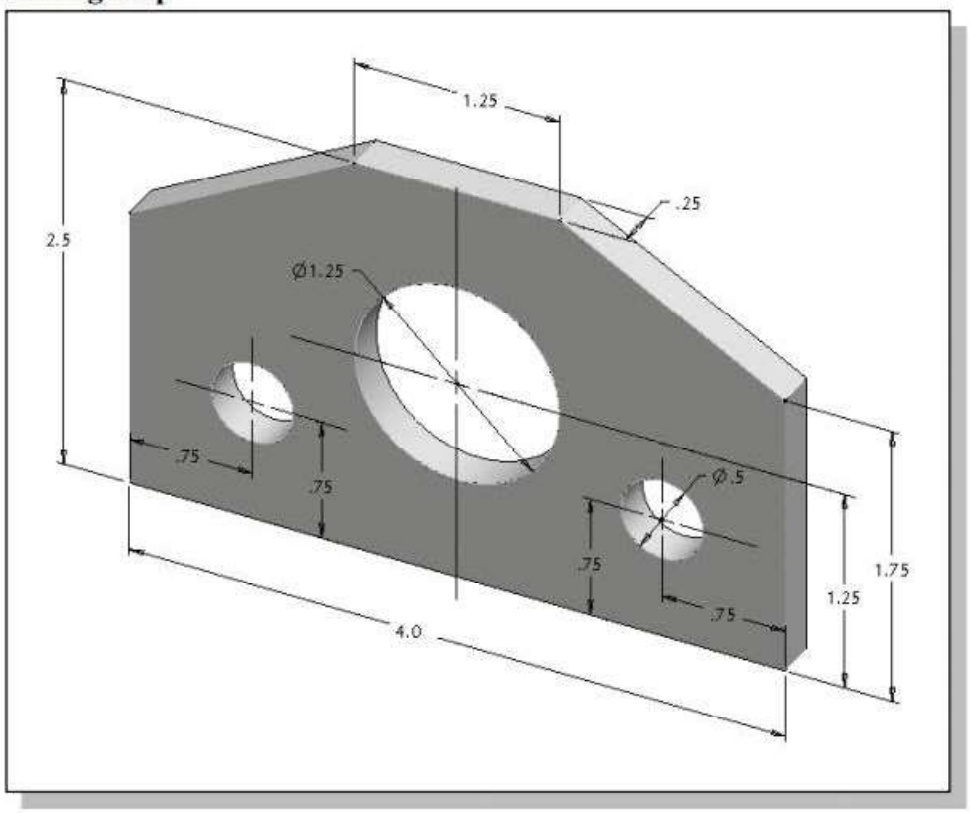
1. **Inclined Support** (Thickness: **.5**)



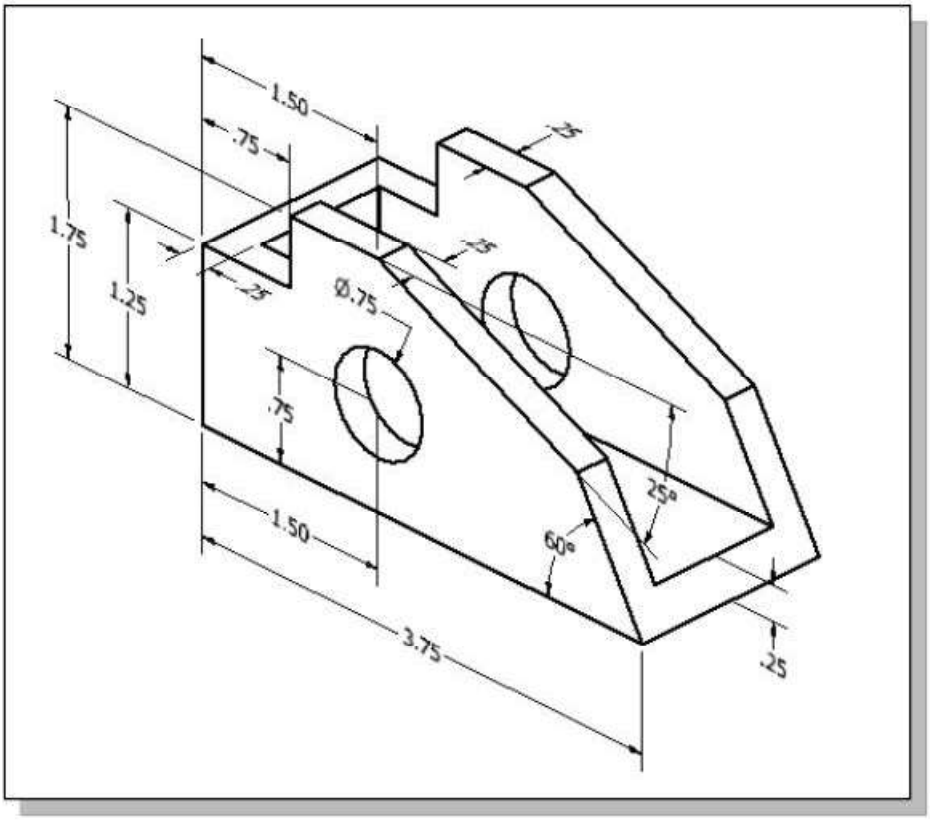
2. **Spacer Plate** (Thickness: **.125**)



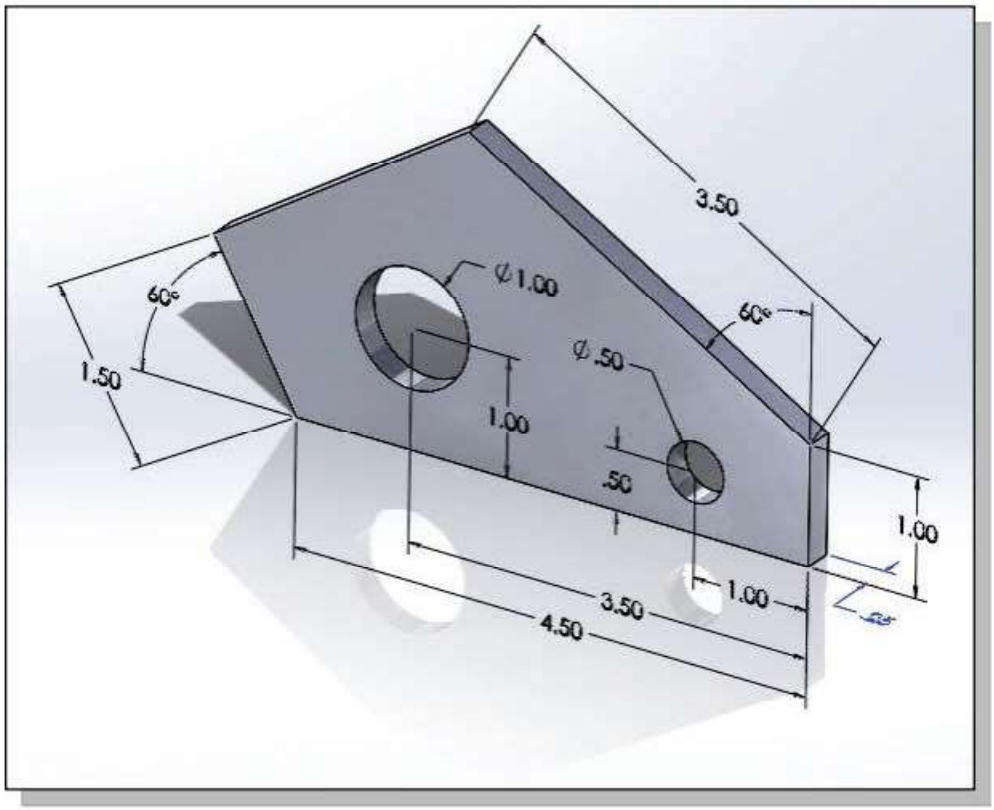
3. Positioning Stop



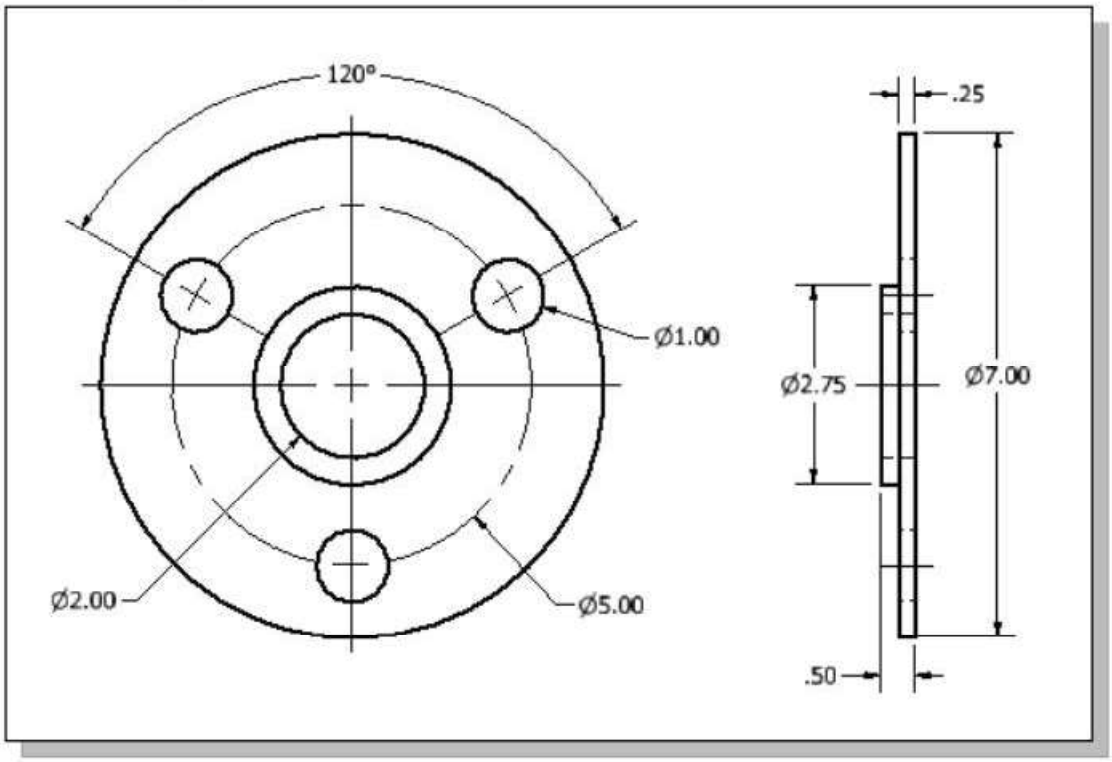
4. Guide Block



5. **Slider Block**

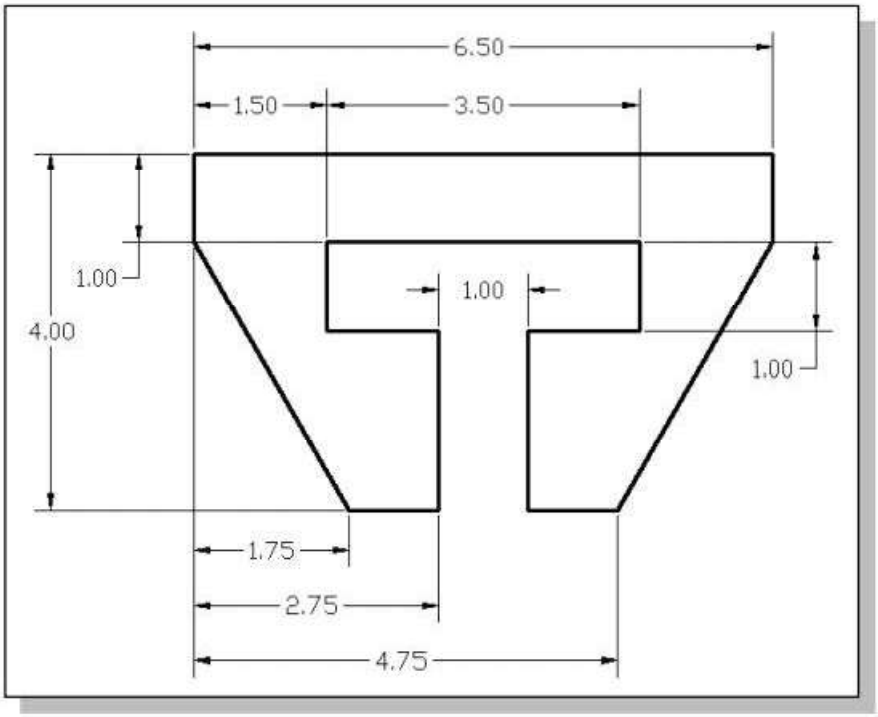


6. **Circular Spacer**

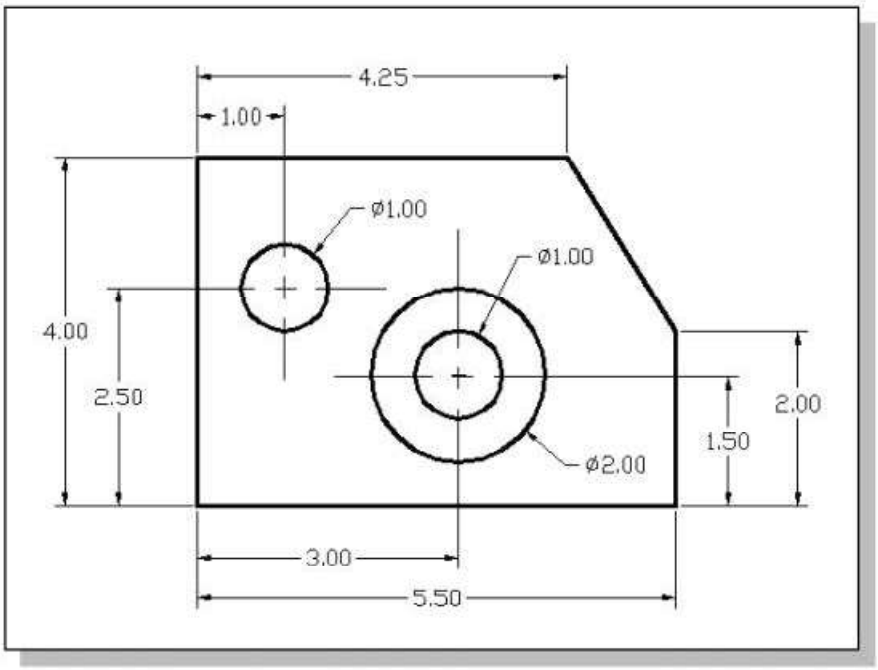


Exercises: Create and save the exercises in the Chapter3 folder. (Time: 180 minutes.)

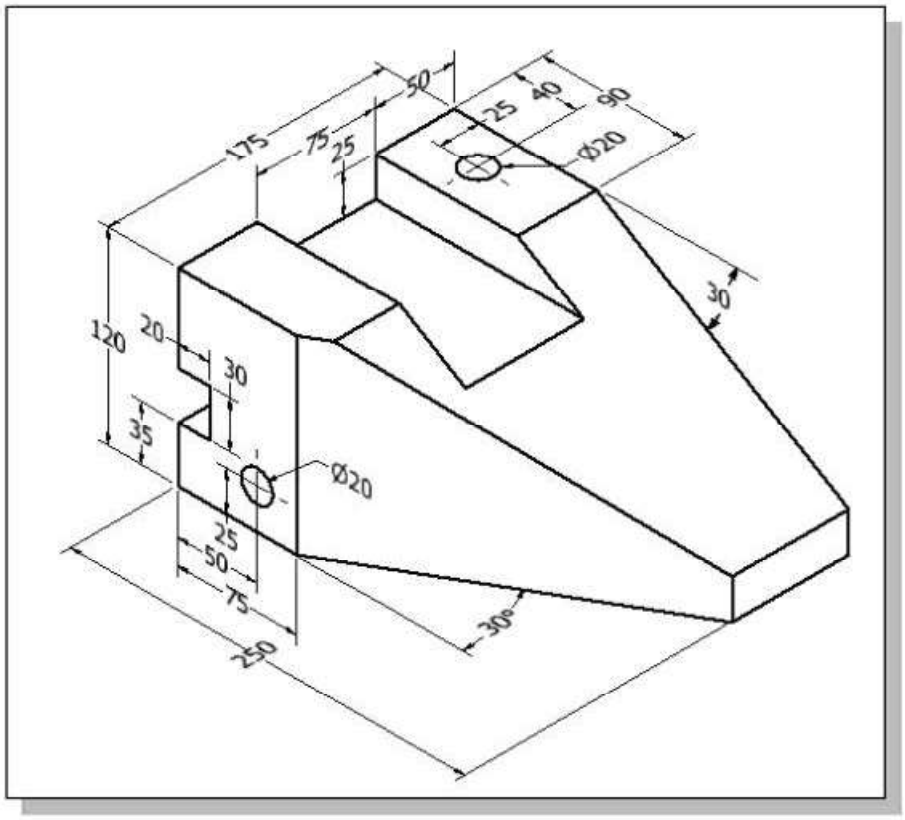
1. **Latch Clip** (Dimensions are in inches. Thickness: **0.25** inches.)



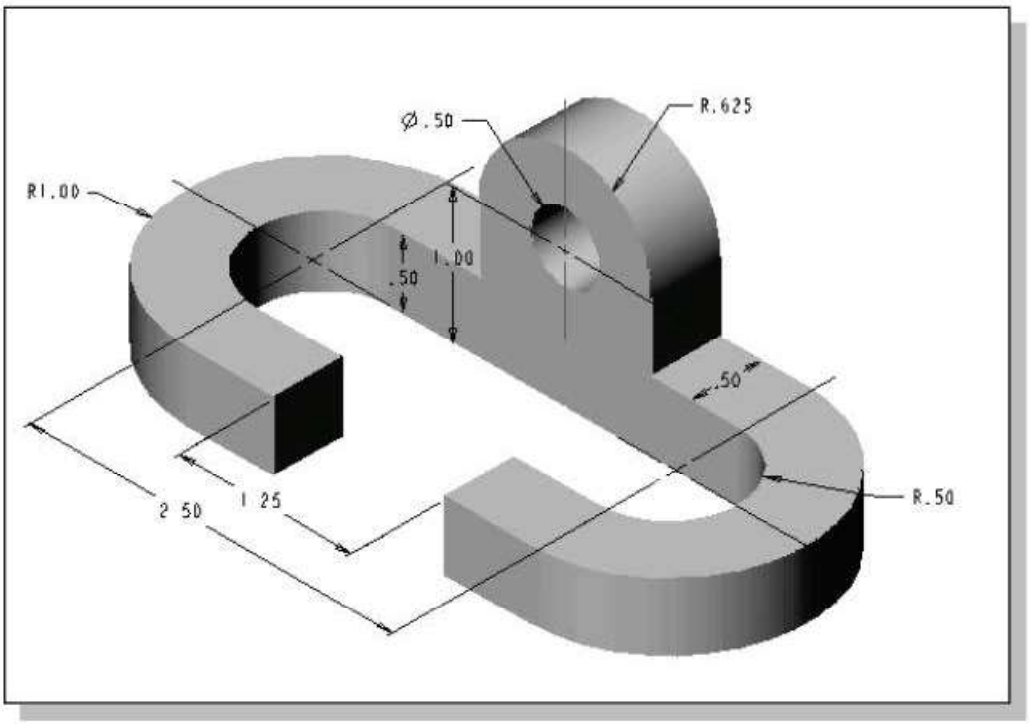
2. **Guide Plate** (Dimensions are in inches. Thickness: **0.25** inches. Boss height **0.125** inches.)



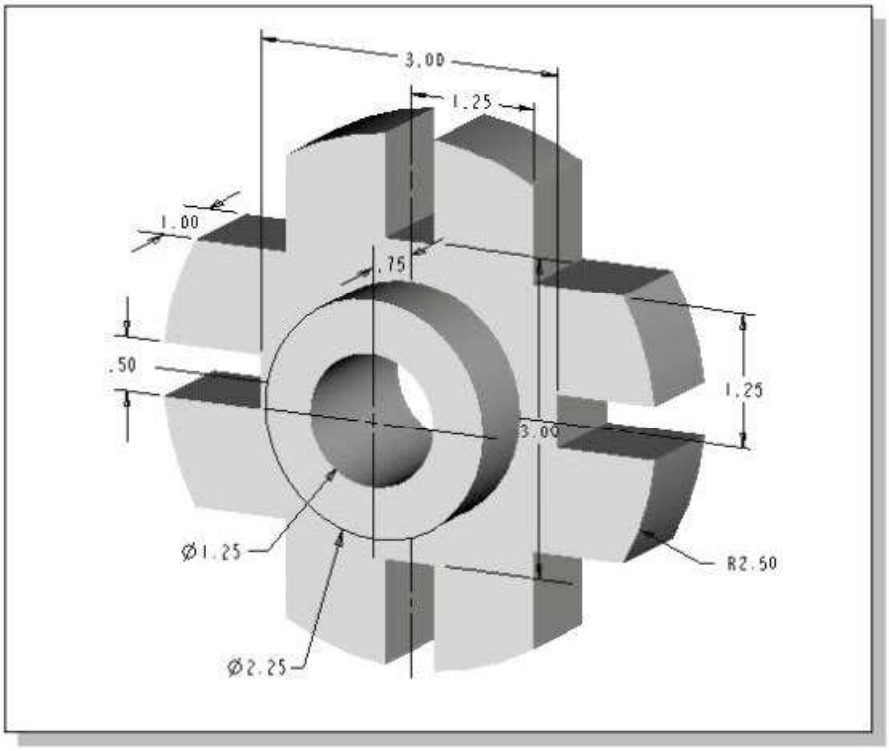
3. **Angle Slider** (Dimensions are in Millimeters.)



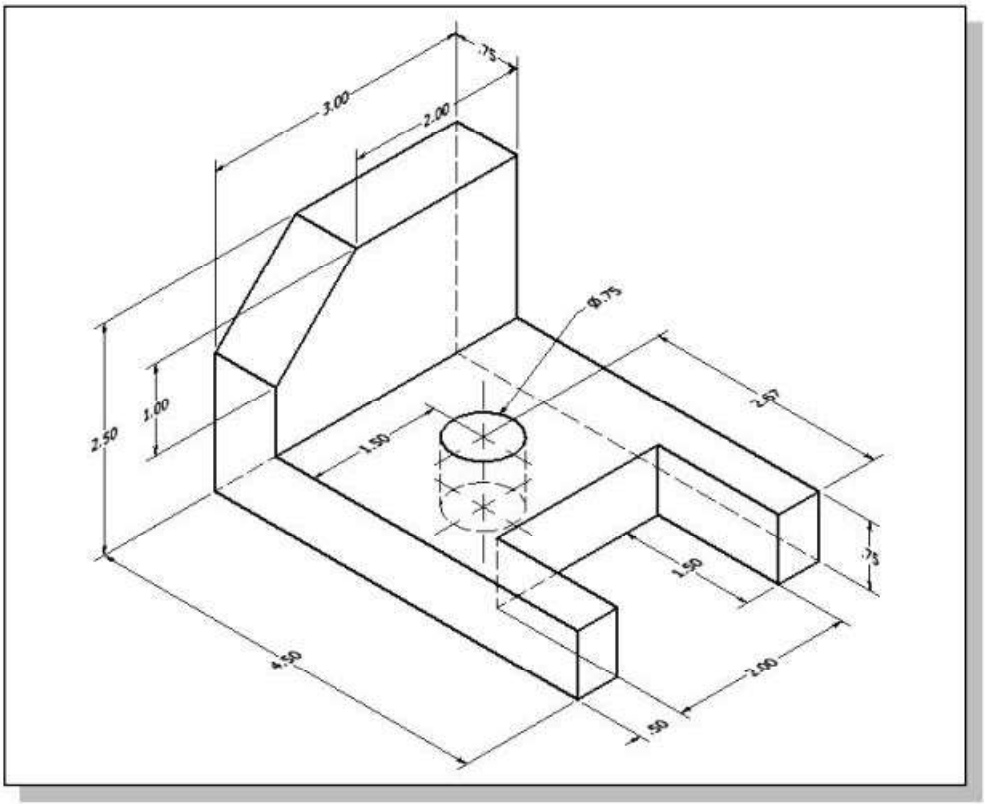
4. **Coupling Base** (Dimensions are in inches.)



5. **Indexing Guide** (Dimensions are in inches.)

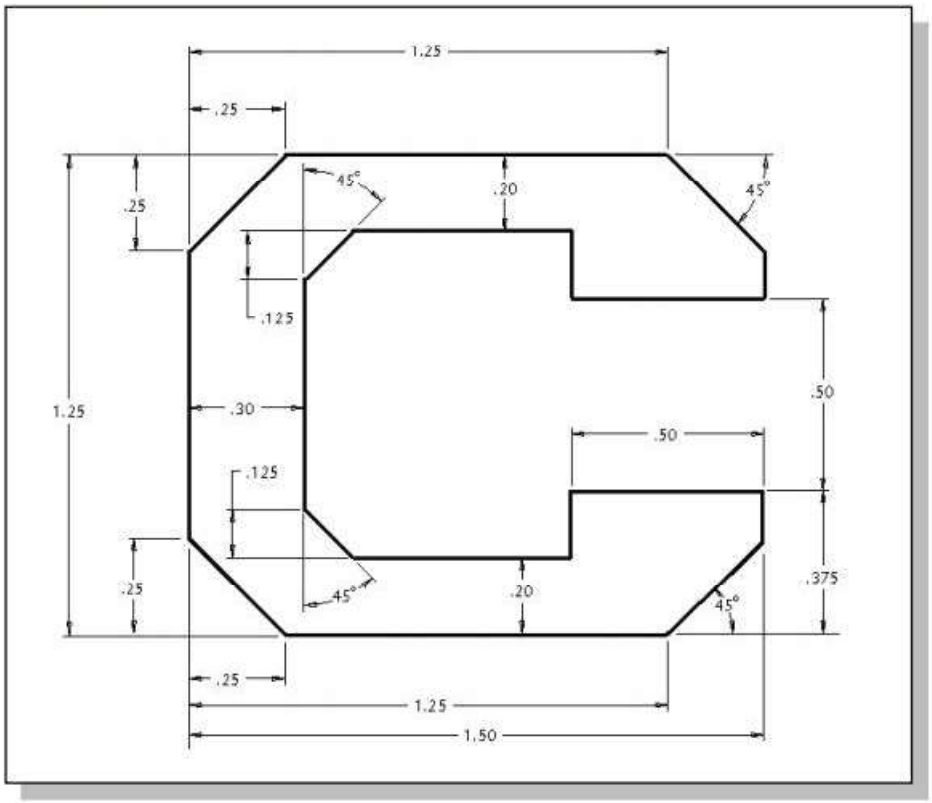


6. **L-Bracket** (Dimensions are in inches.)

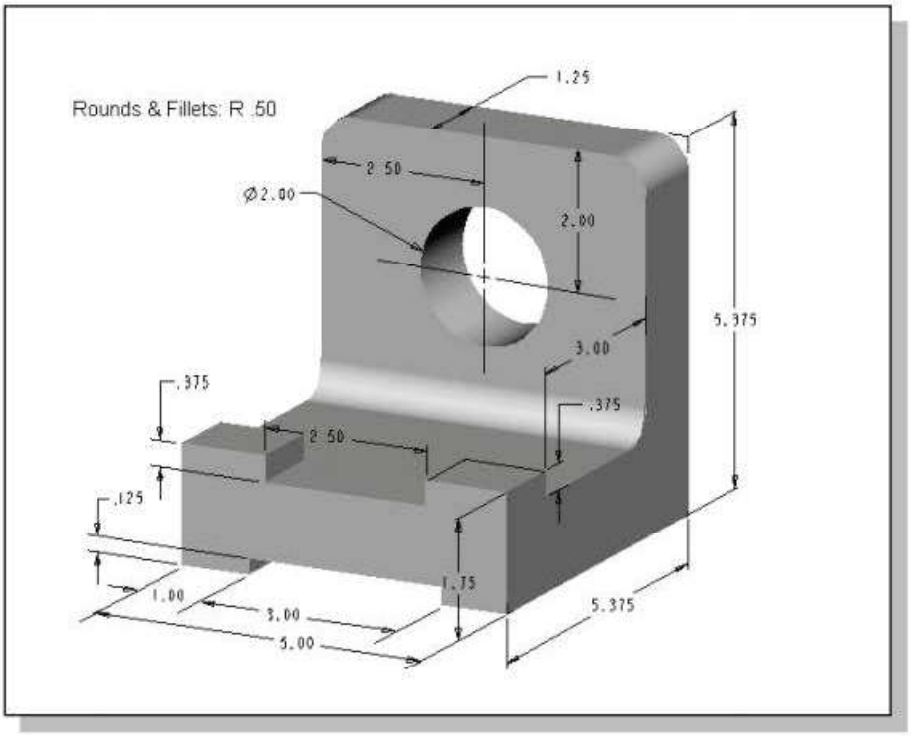


Exercises: Create and save the exercises in the Chapter4 folder.
(Time: 180 minutes.)

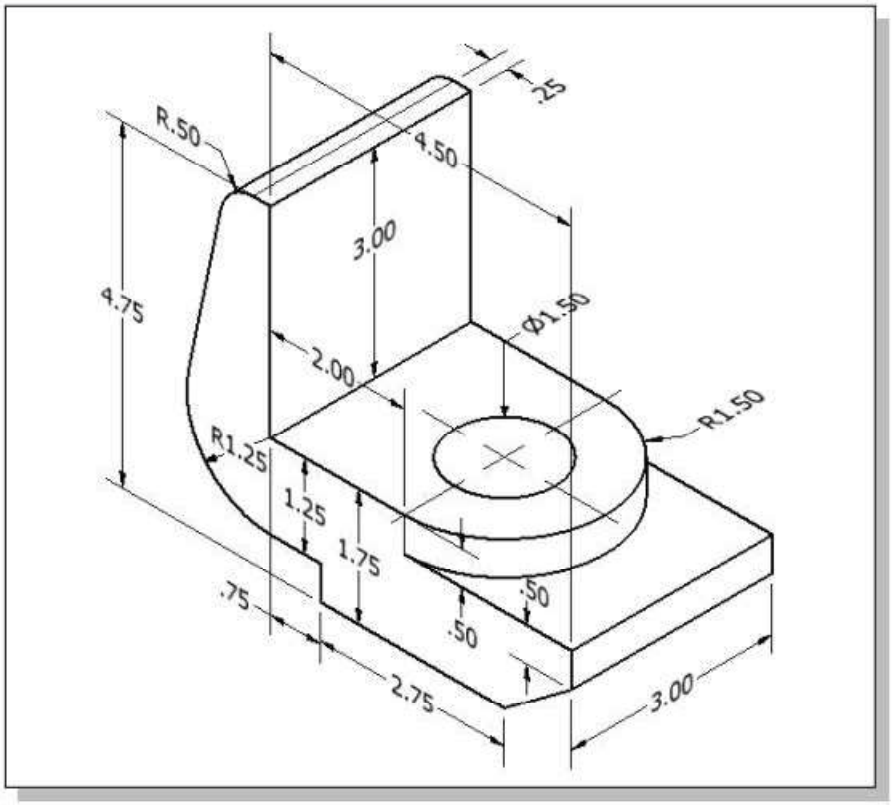
1. **C-Clip** (Dimensions are in inches. Plate thickness: **0.25 inches**.)



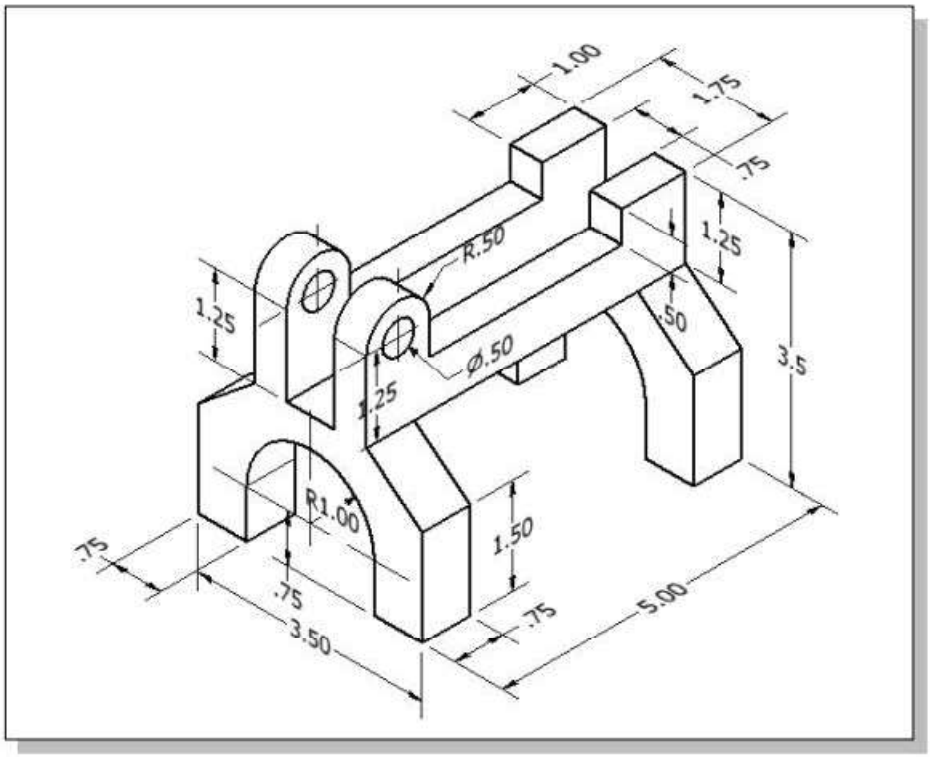
2. **Tube Mount** (Dimensions are in inches.)



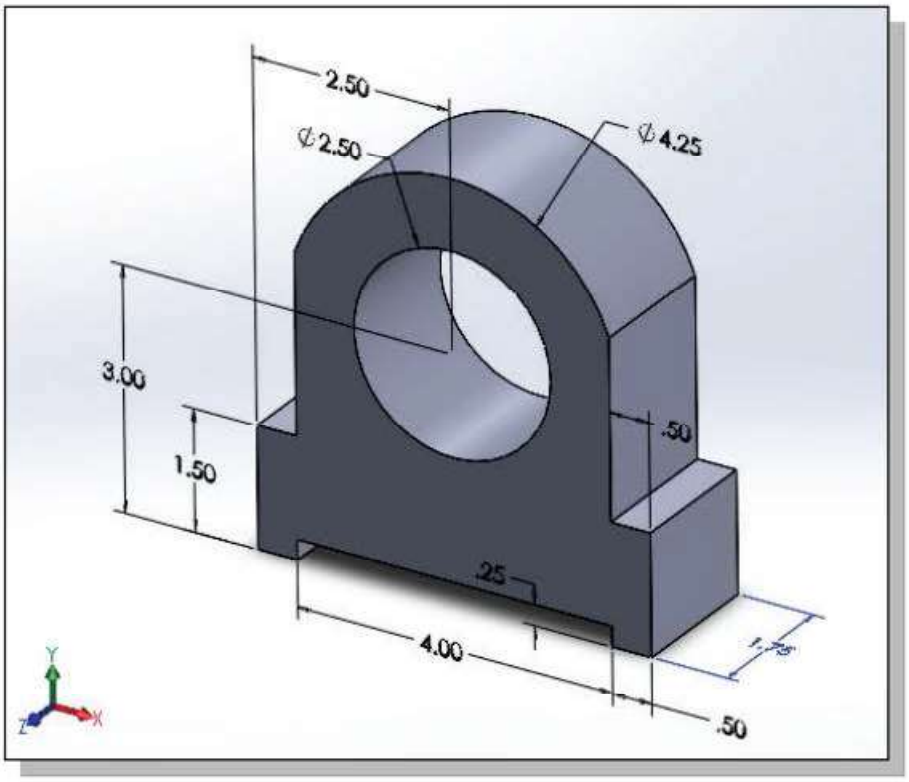
3. **Hanger Jaw** (Dimensions are in inches. Volume =?)



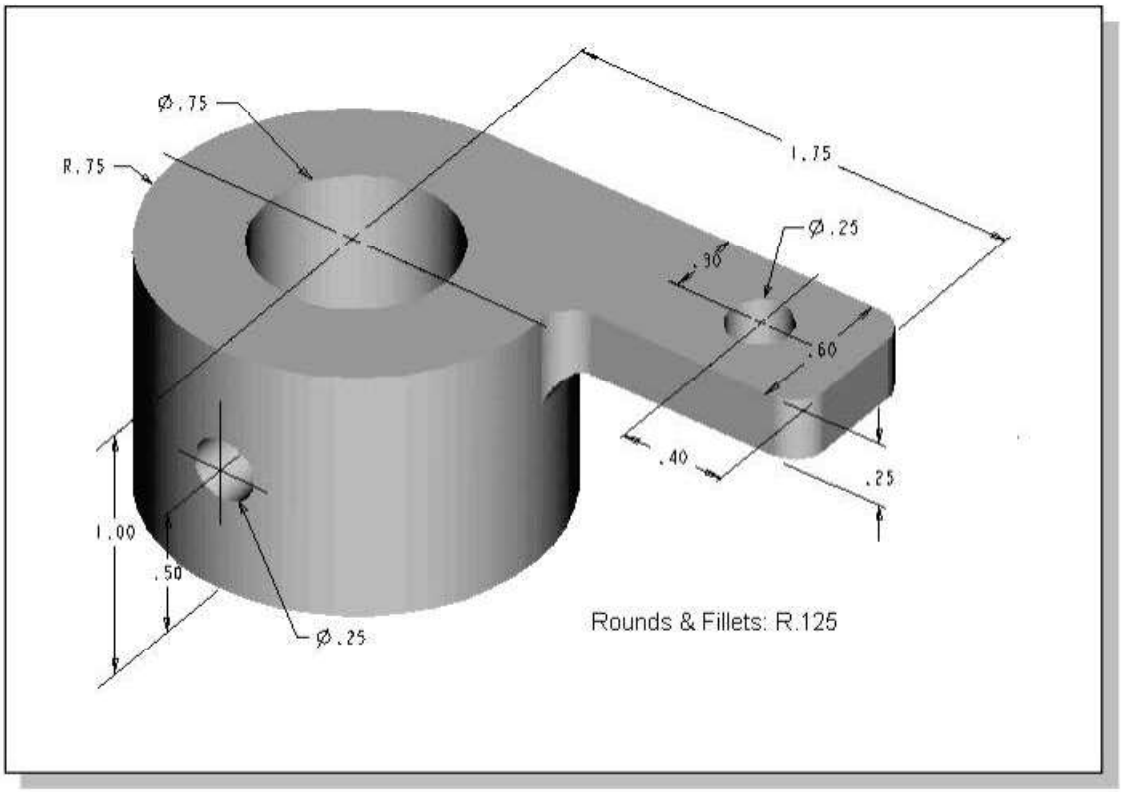
4. **Transfer Fork** (Dimensions are in inches. Material: **Cast Iron.** Volume =?)



5. **Guide Slider** (Material: **Cast Iron**. Weight and Volume =?)

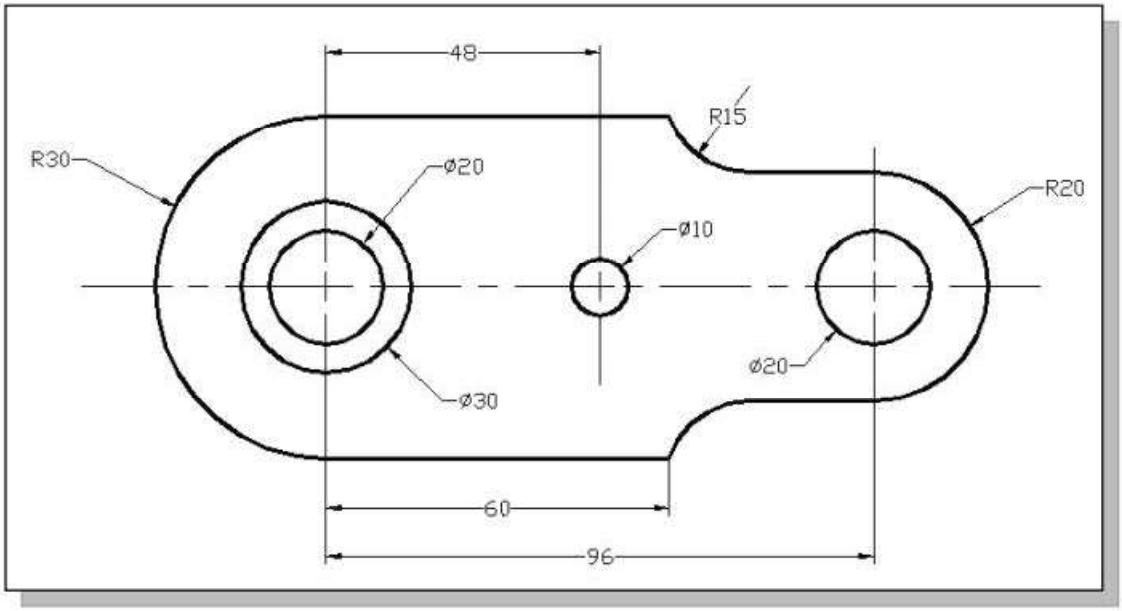


6. **Shaft Guide** (Material: **Aluminum-6061**. Mass and Volume =?)

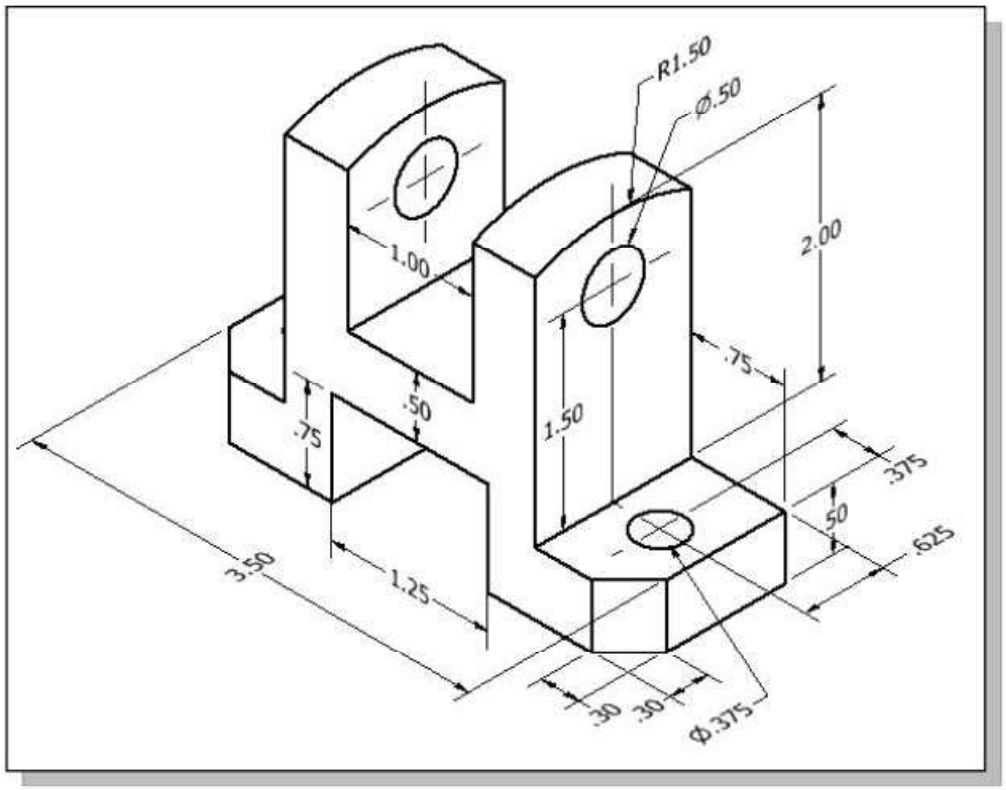


Exercises: Create and save the exercises in the Chapter5 folder.
(Time: 90 minutes.)
(Create and establish three parametric relations for each of the following designs.)

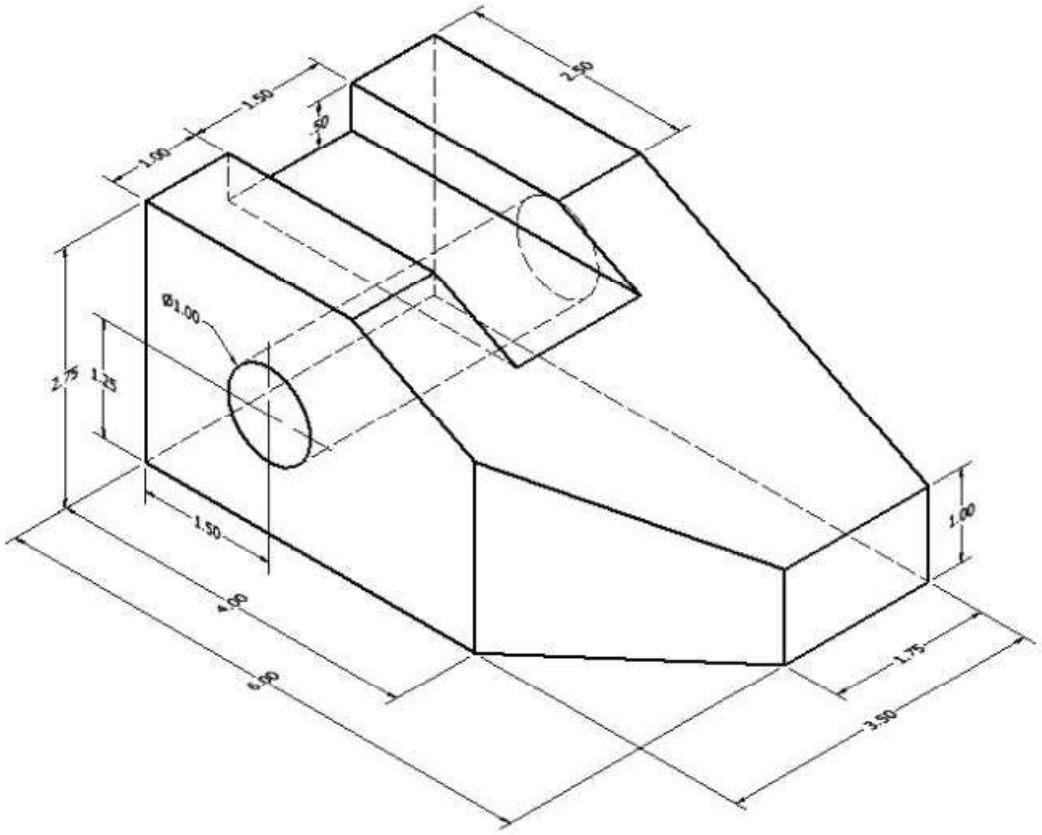
1. **Swivel Base** (Dimensions are in millimeters. Base thickness: **10 mm.** Boss: **5 mm.**)



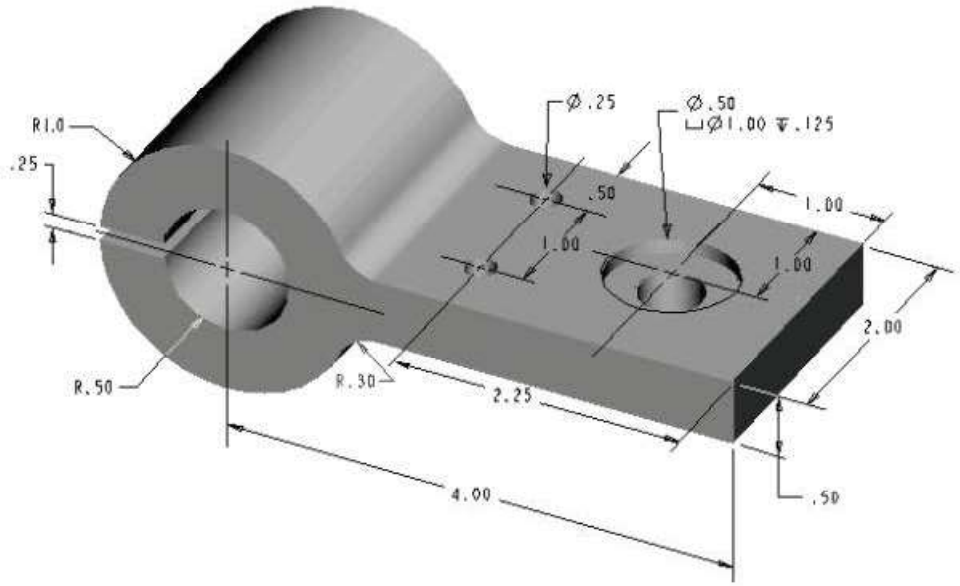
2. **Anchor Base** (Dimensions are in inches.)



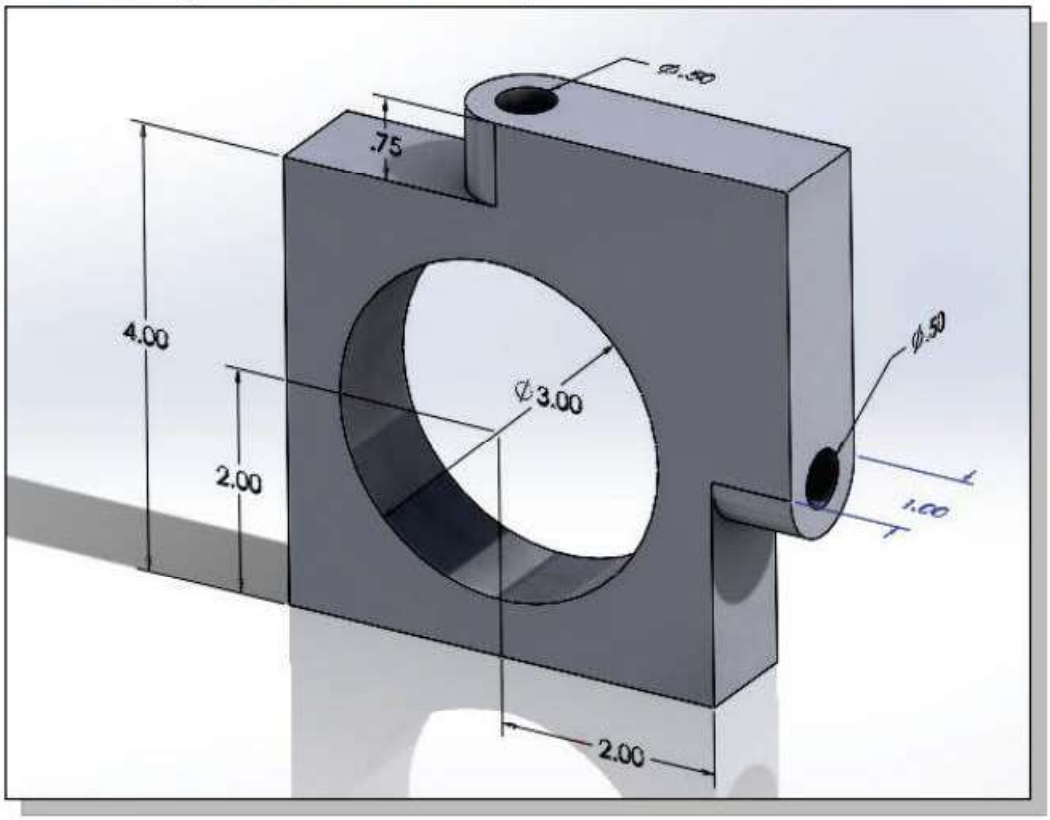
3. **Wedge Block** (Dimensions are in inches.)



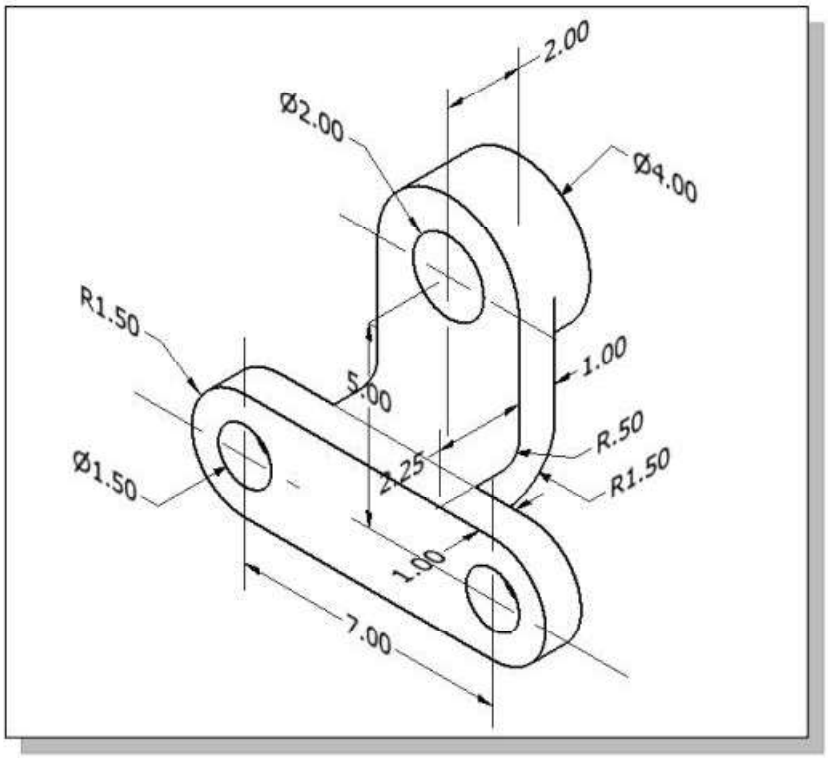
4. **Hinge Guide** (Dimensions are in inches.)



5. **Pivot Holder** (Dimensions are in inches.)

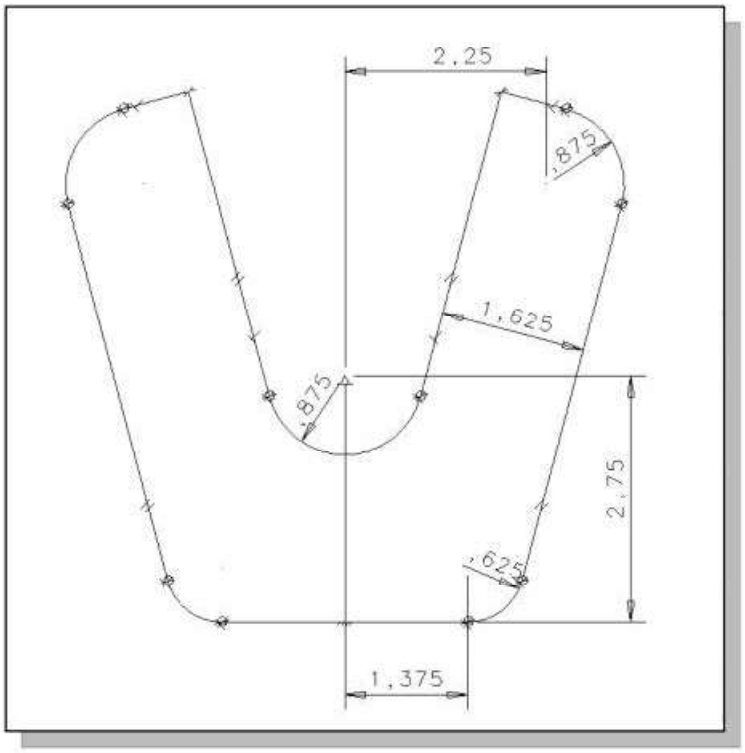


6. **Support Fixture** (Dimensions are in inches.)

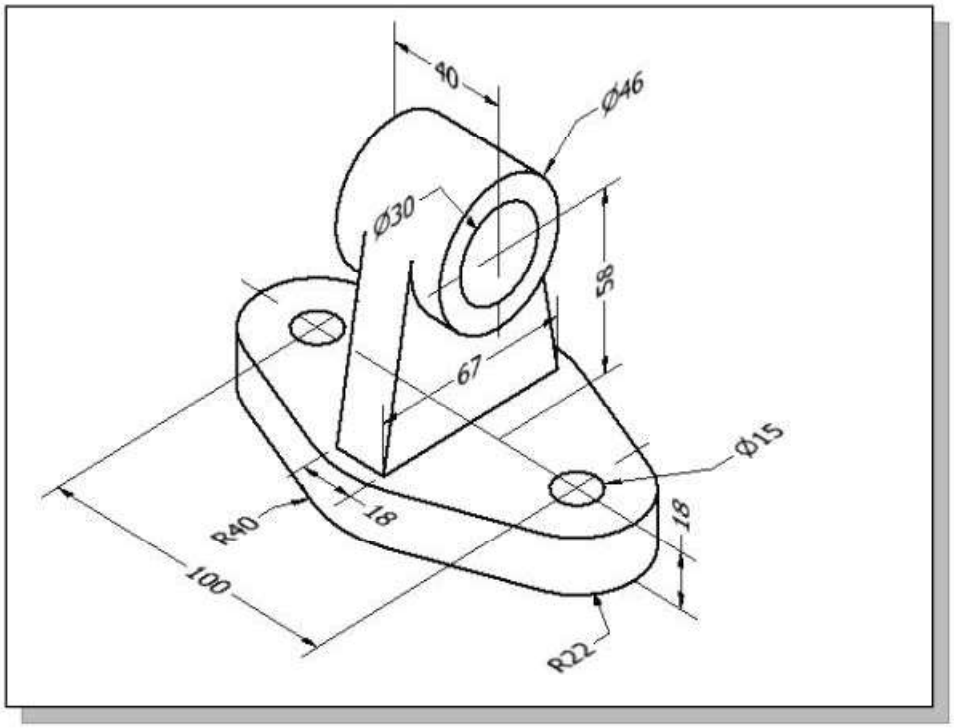


Exercises: Create and save the exercises in the Chapter6 folder.
(Time: 180 minutes.)

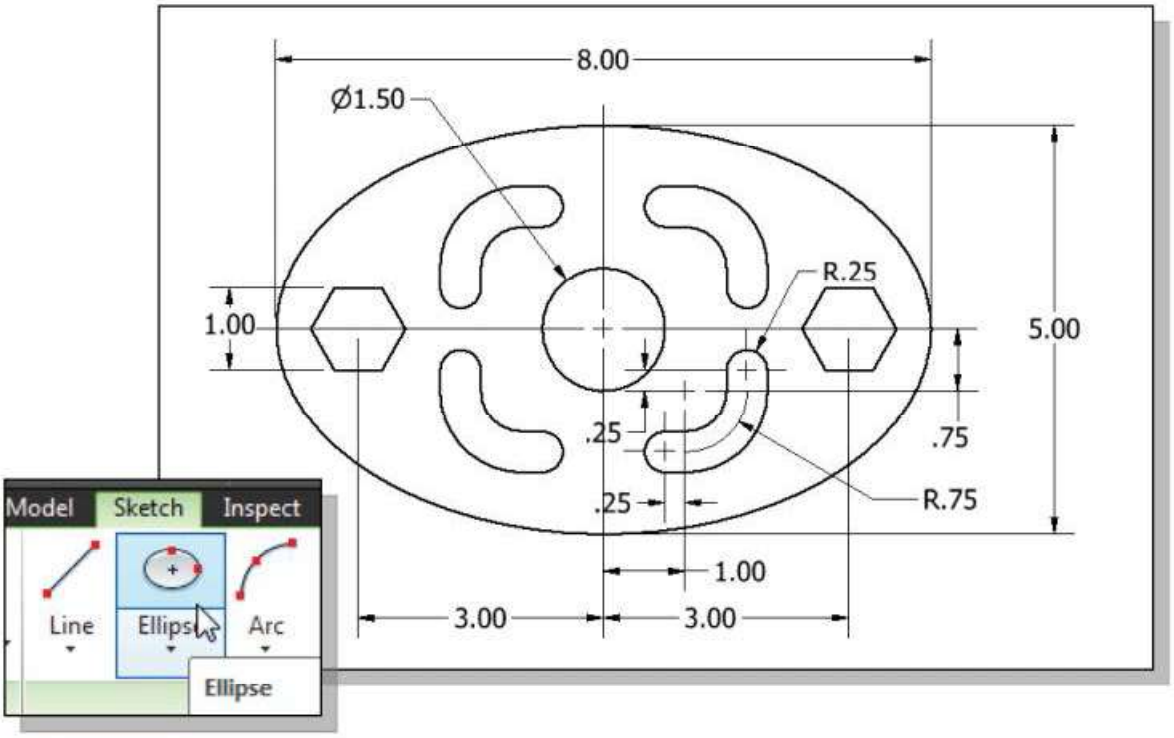
1. **V-slide Plate** (Dimensions are in inches. Plate Thickness: **0.25**)



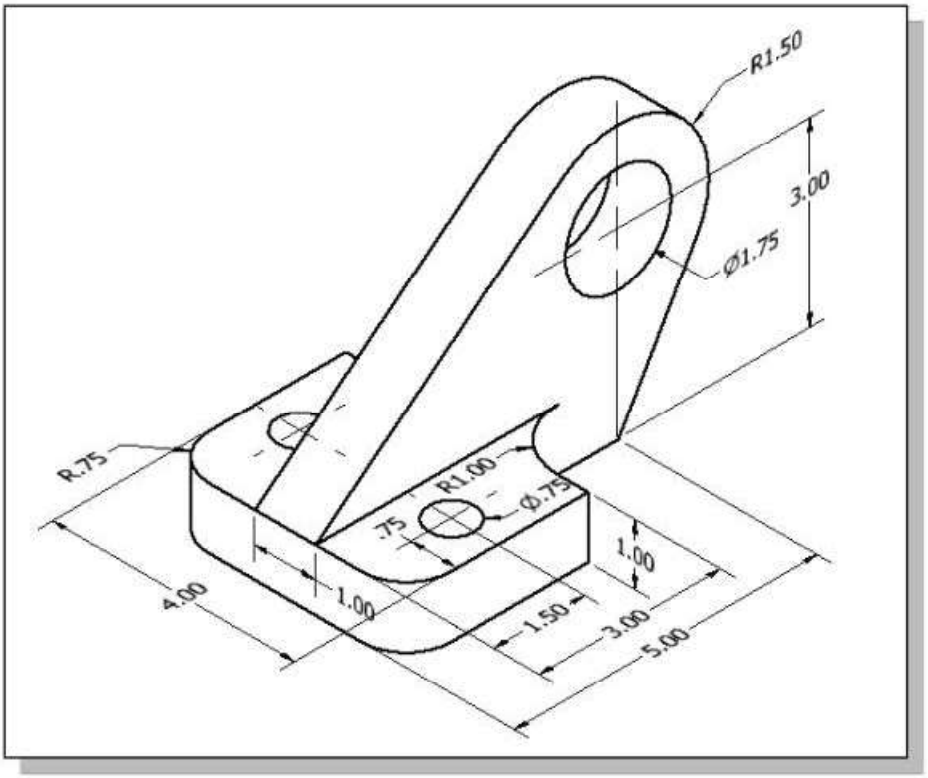
2. **Shaft Support** (Dimensions are in millimeters. Note the two R40 arcs at the base share the same center.)



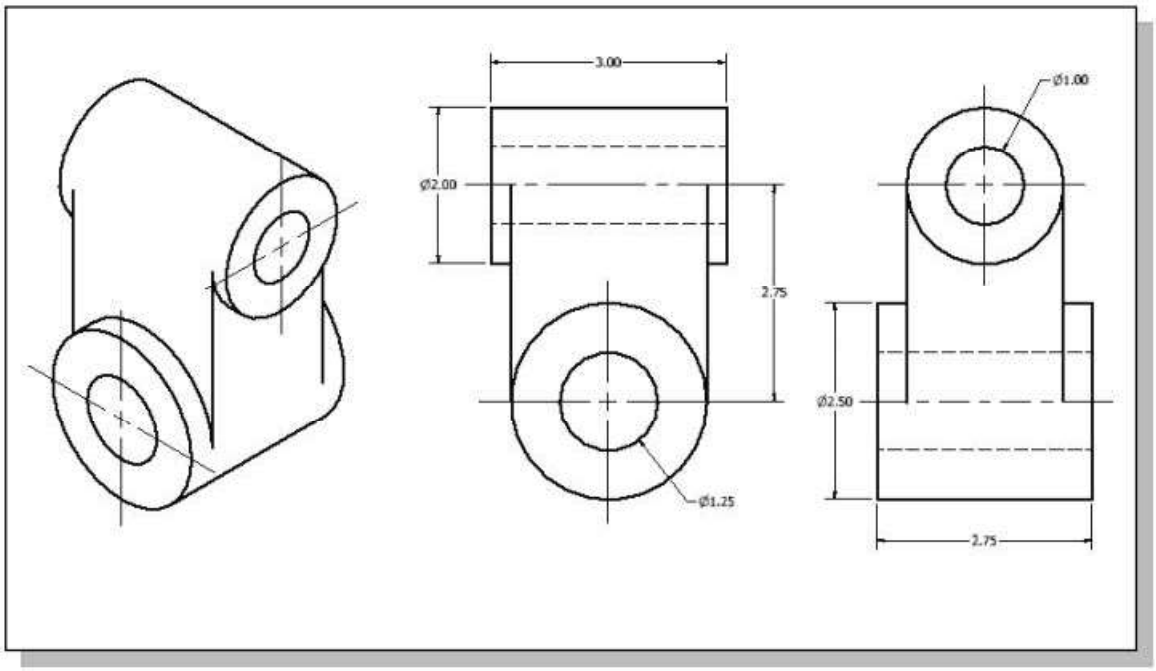
3. **Vent Cover** (Thickness: **0.125** inches. Hint: Use the Ellipse command.)



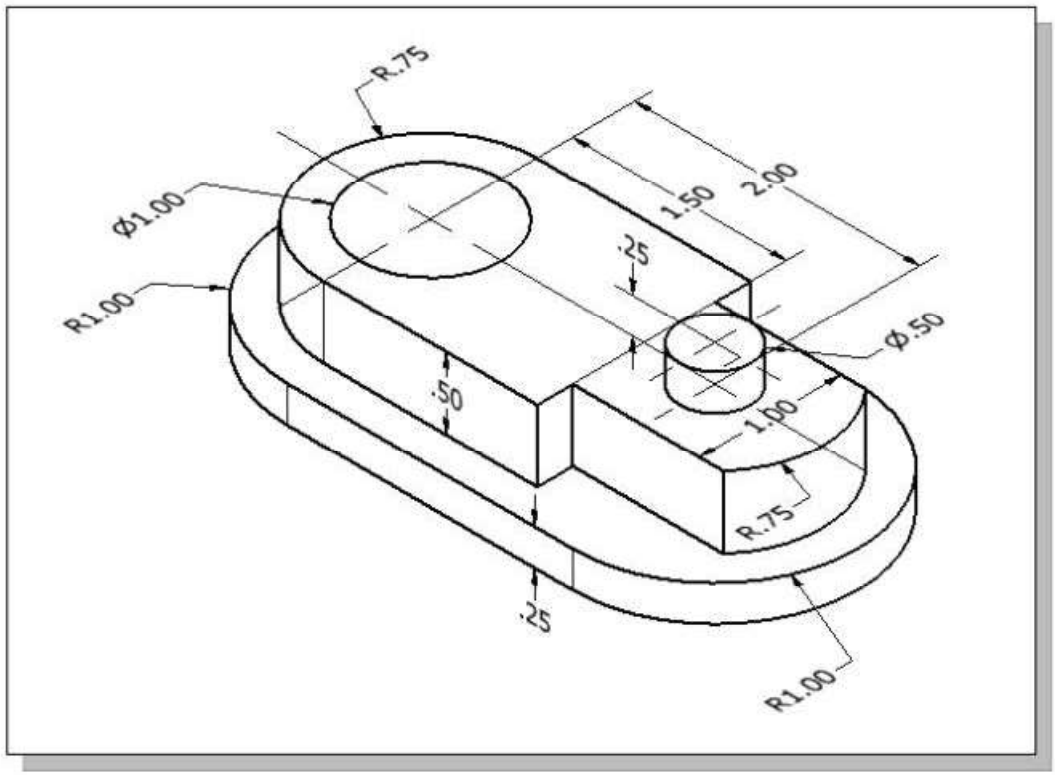
4. **Anchor Base** (Dimensions are in inches.)



5. **Tube Spacer** (Dimensions are in inches.)

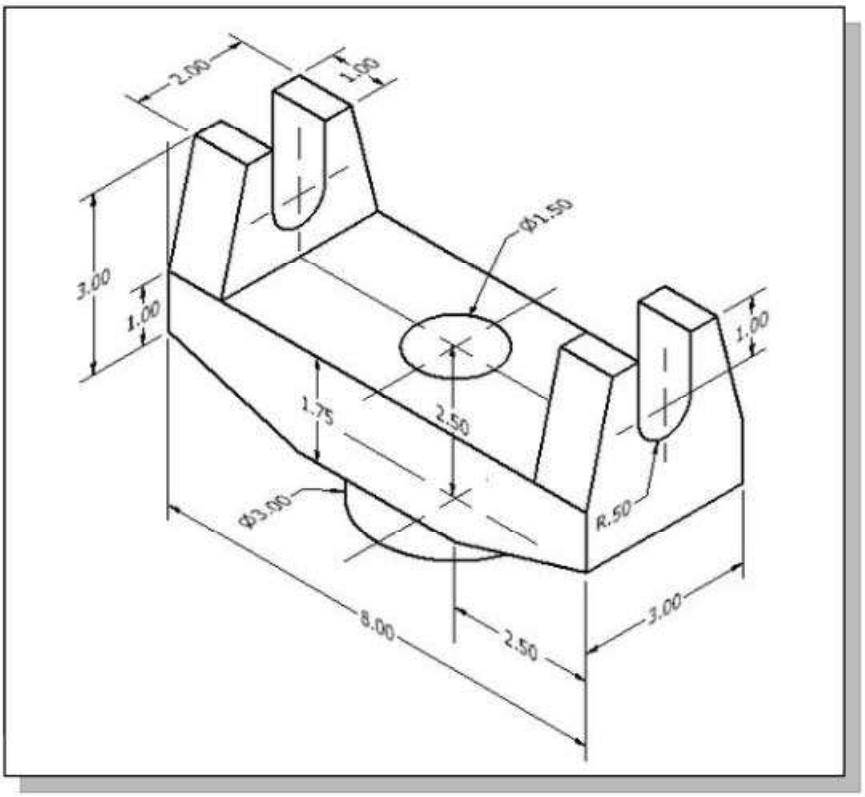


6. **Pivot Lock** (Dimensions are in inches. The circular features in the design are all aligned to the two centers at the base.)

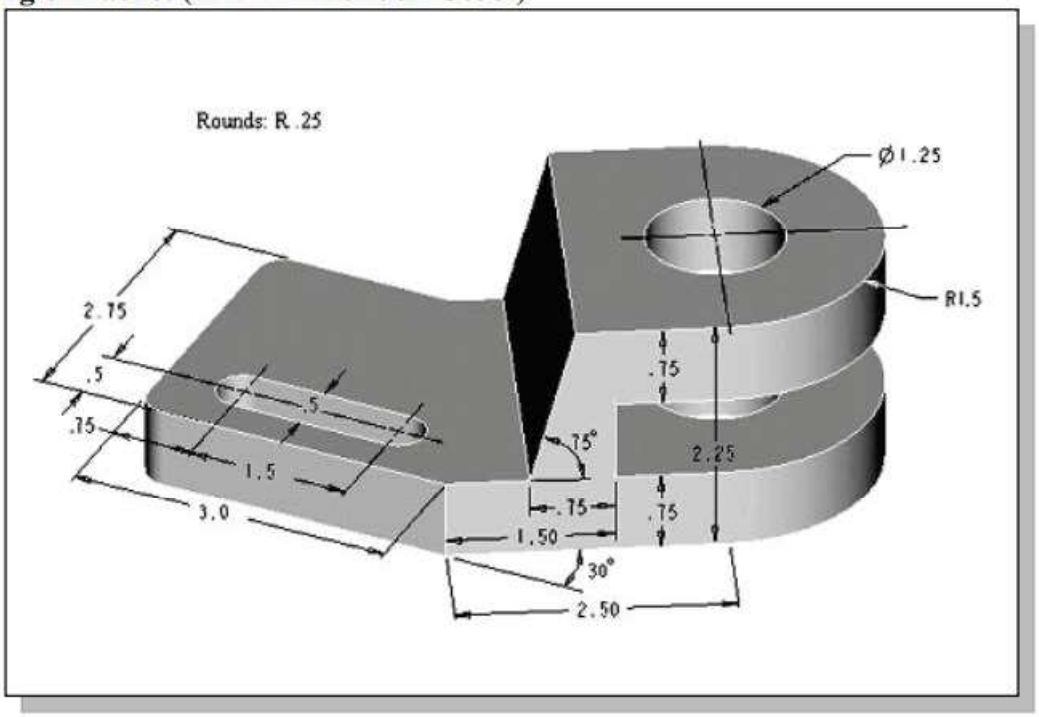


Exercises: Create and save the exercises in the Chapter7 folder. (Time: 180 minutes. Dimensions are in inches unless otherwise stated.)

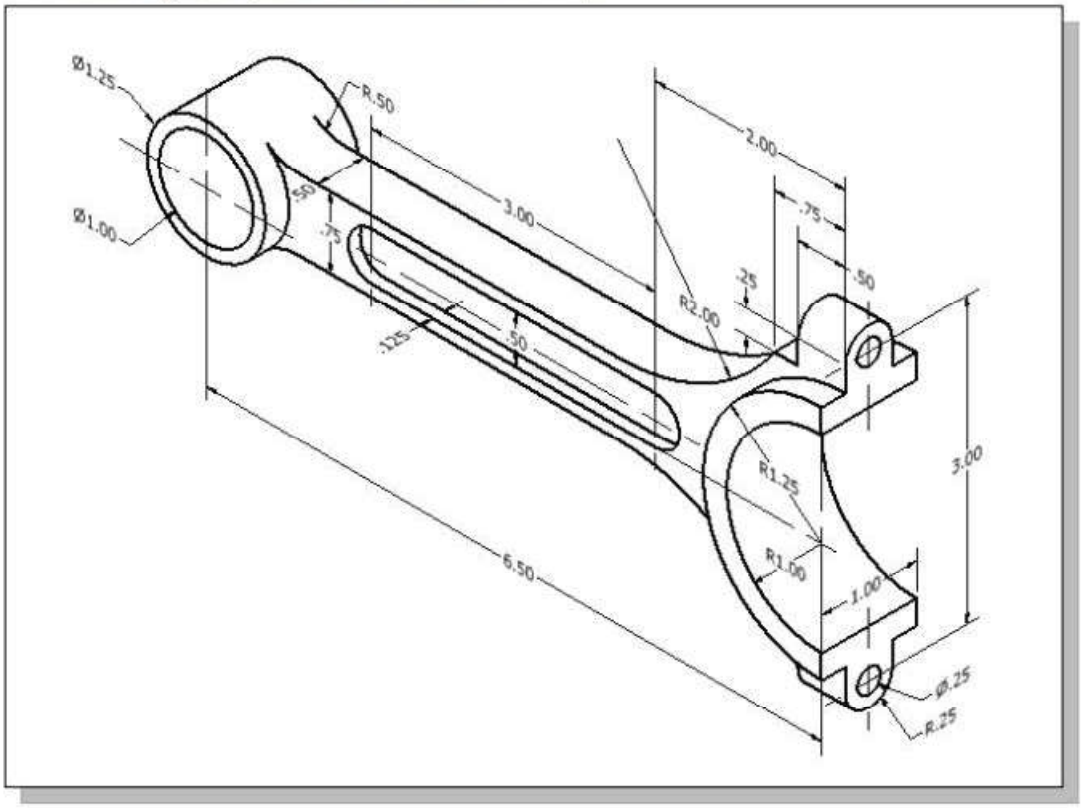
1. **Swivel Yoke** (Material: **Cast Iron**)



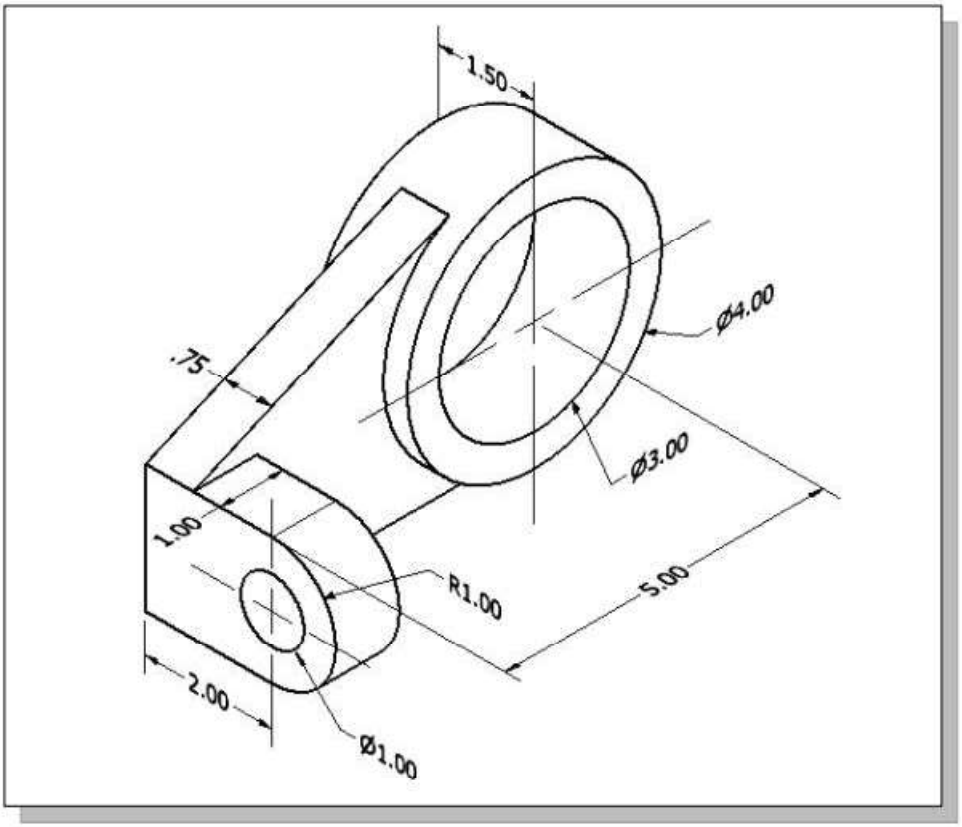
2. **Angle Bracket** (Material: **Carbon Steel**)



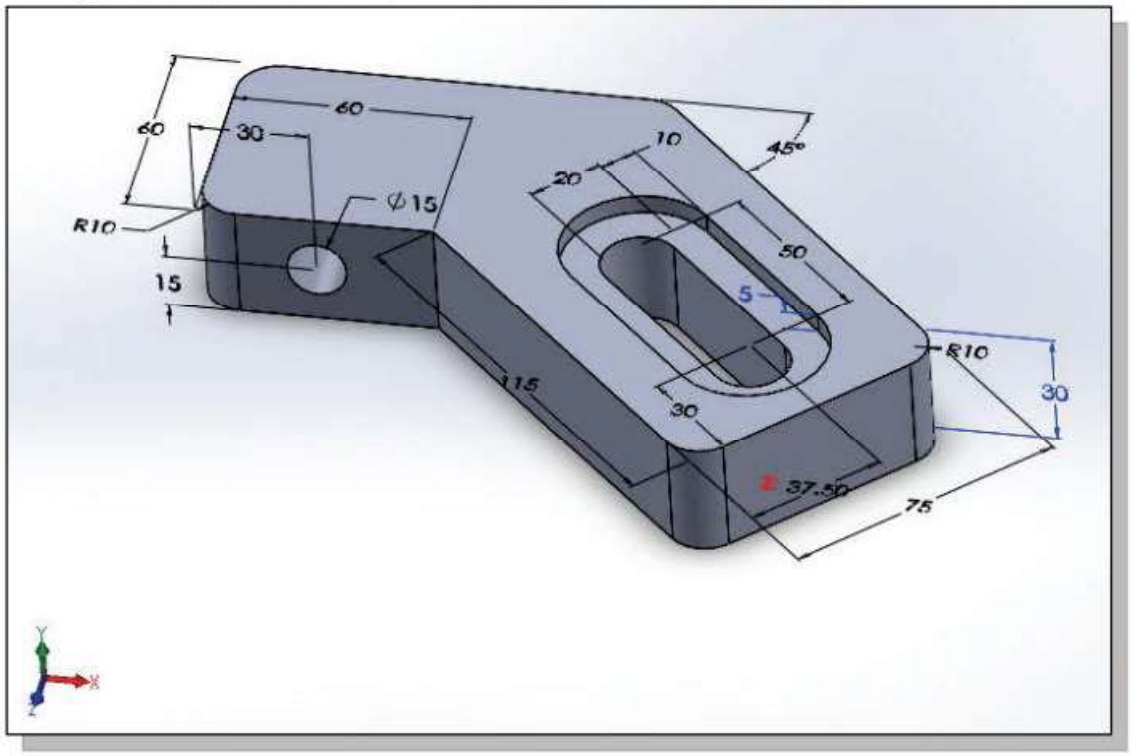
3. **Connecting Rod** (Material: **Carbon Steel**)



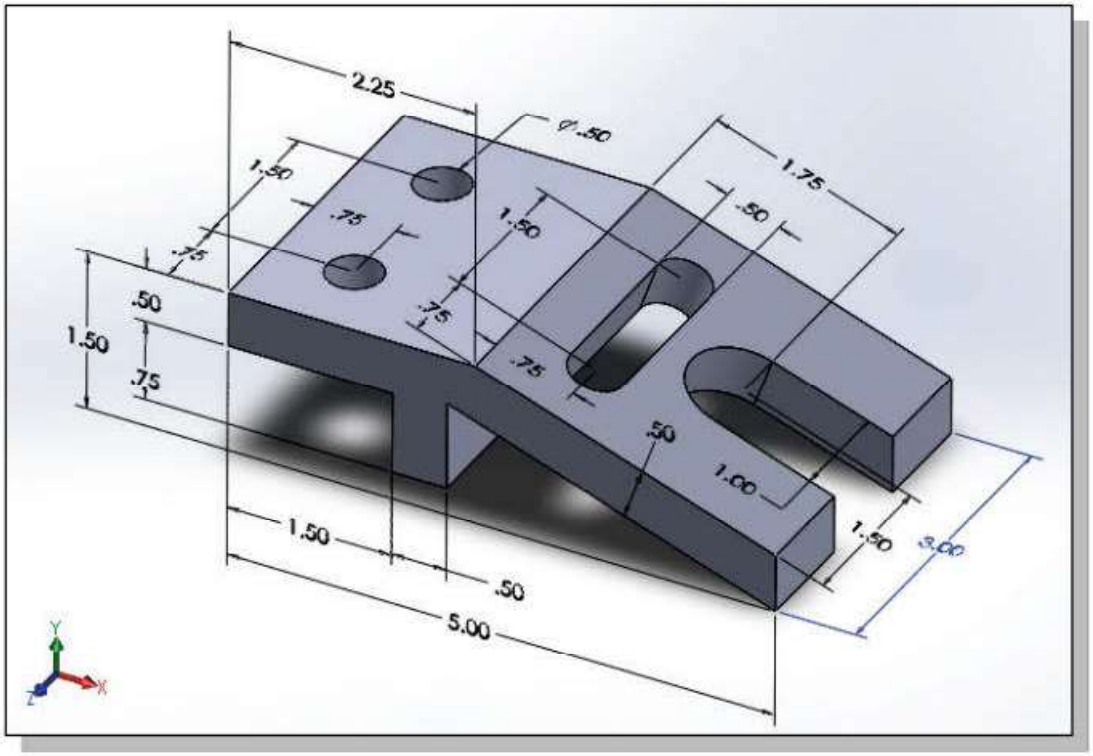
4. **Tube Hanger** (Material: **Aluminum 6061**)



5. **Angle Latch** (Dimensions are in millimeters. Material: **Brass**)

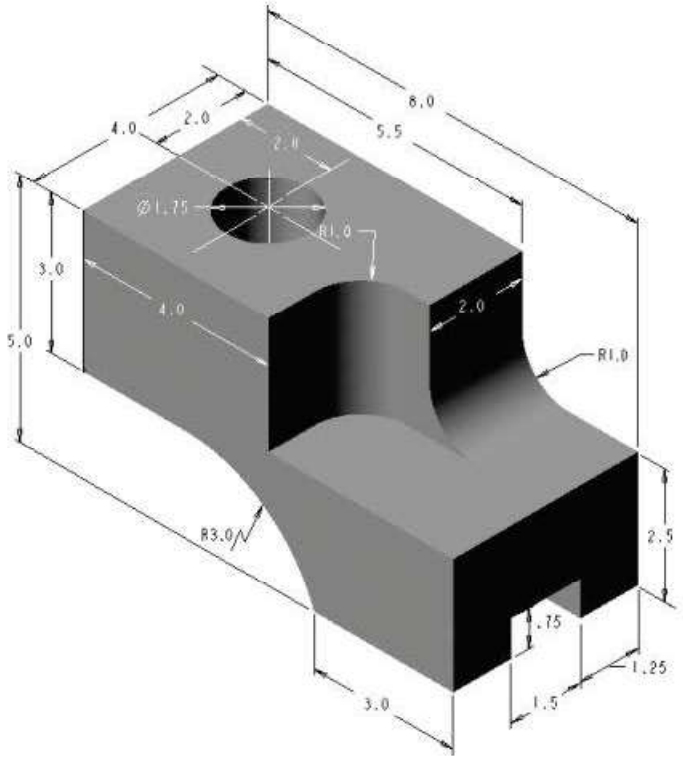


6. **Inclined Lift** (Material: **Mild Steel**)

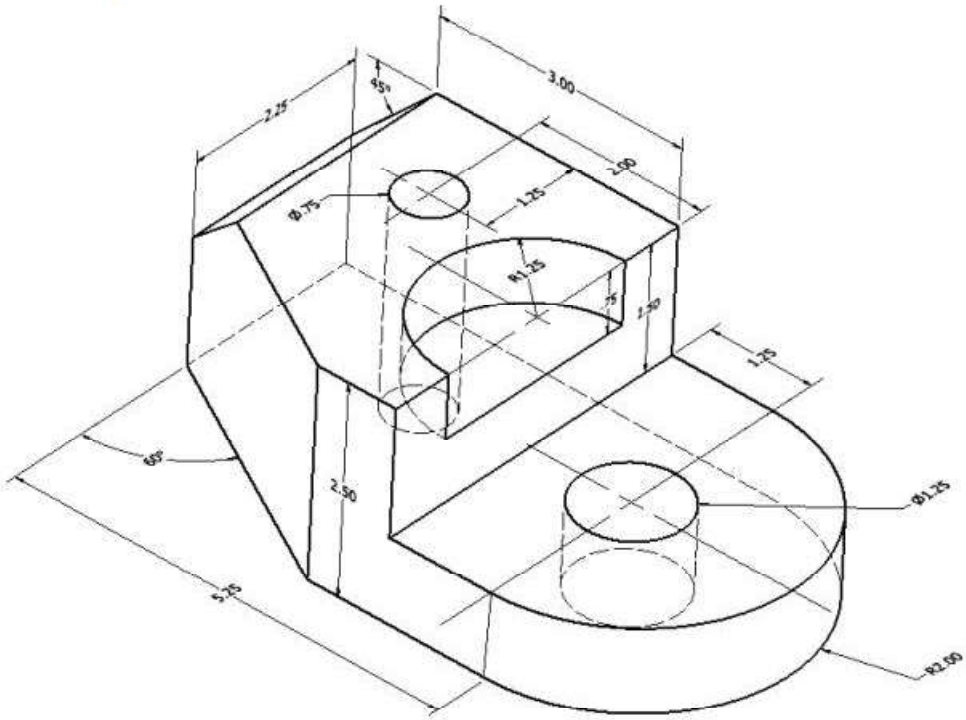


Exercises: Create the Solid models and the associated 2D drawings and also create the associated MBD of the following exercises. (Time: 180 minutes)

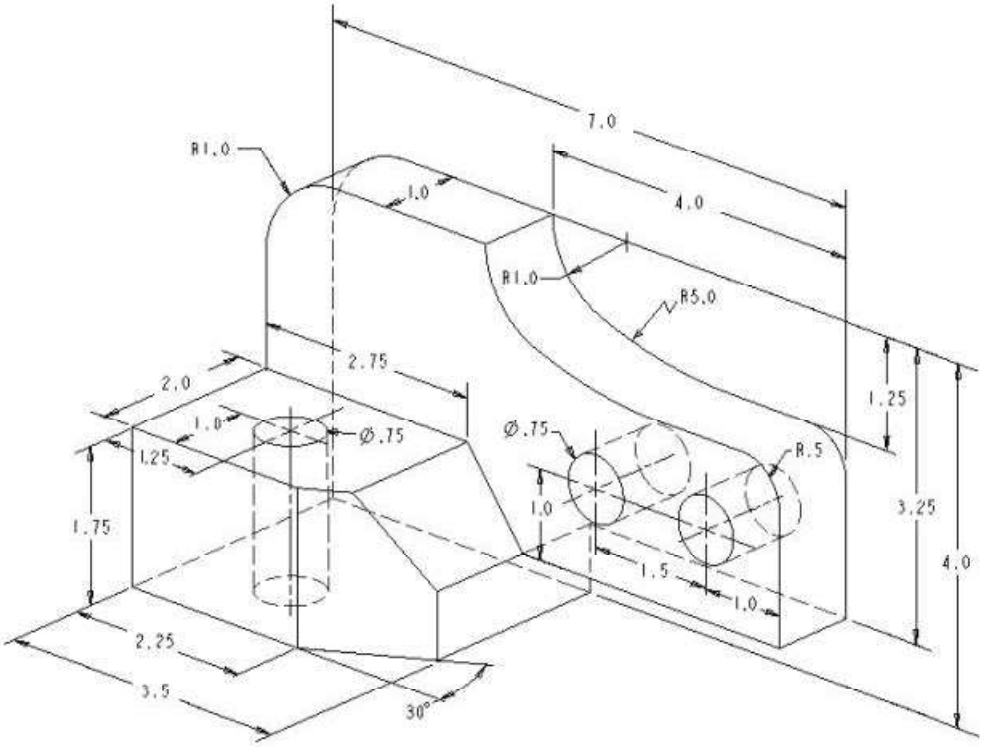
1. **Slide Mount** (Dimensions are in inches.)



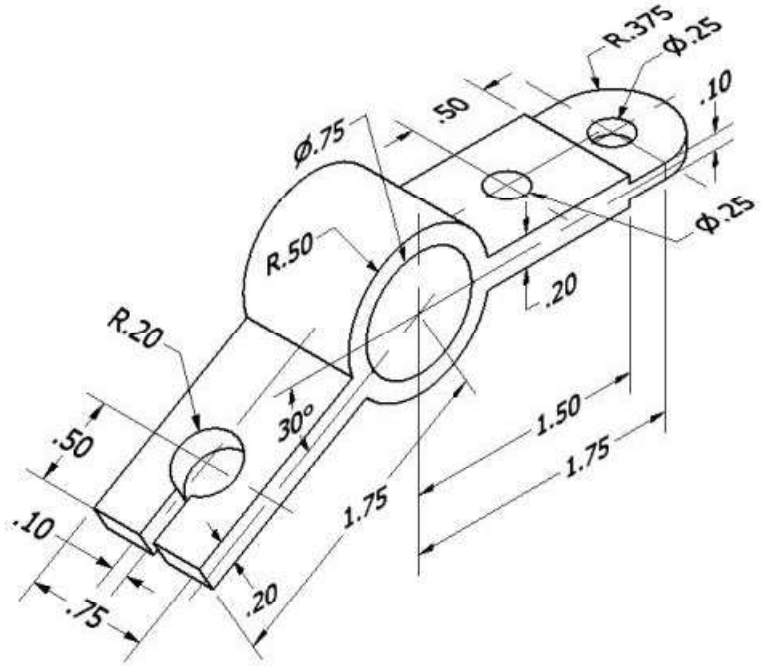
2. **Corner Stop** (Dimensions are in inches.)



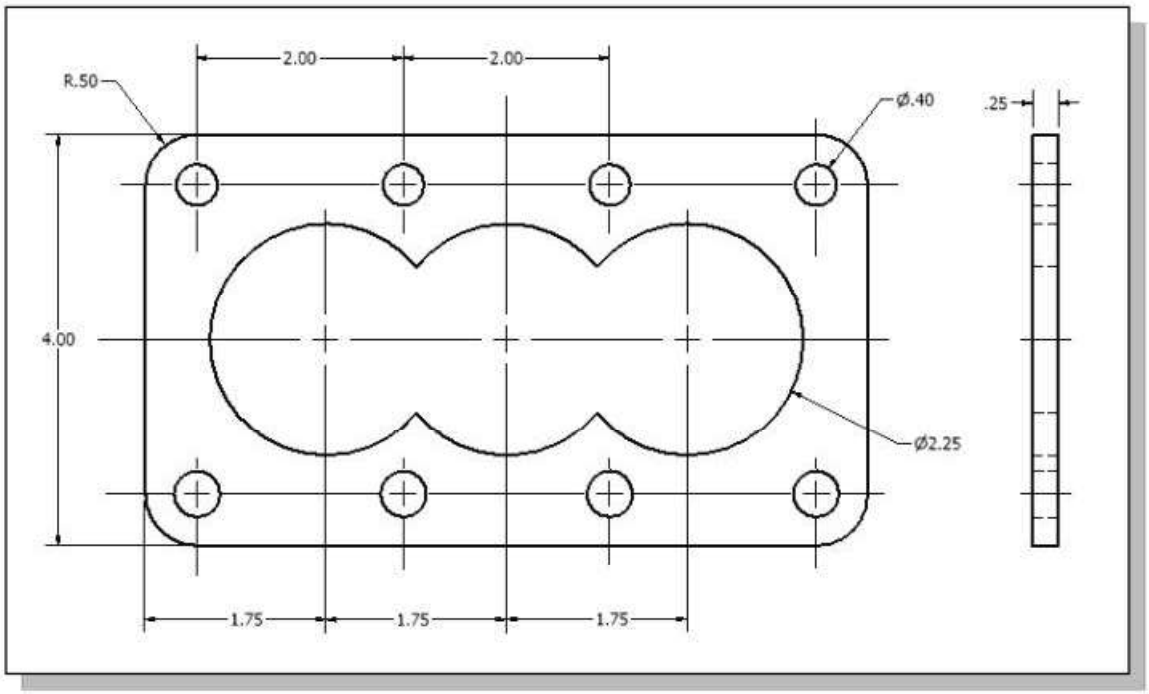
3. **Switch Base** (Dimensions are in inches.)



4. **Angle Support** (Dimensions are in inches.)



5. **Block Base** (Dimensions are in inches. Plate Thickness: 0.25)



6. **Shaft Guide** (Dimensions are in inches.)