Butterfly Valve Assembly

Create the components of the Butterfly Valve assembly and then assemble them, as shown in Figure 1. The dimensions of the components are shown in Figures 2 through 7. Assume the missing dimensions.

Figure 1 The Butterfly Valve assembly

Figure 2 Dimensions of the Body
Figure 3  Dimensions of the Shaft

Figure 4  Dimensions of the Retainer

Figure 5  Top view of the Arm

Figure 6  Sectional front view of the Arm

Figure 7  Dimensions of the Plate, Nut, and Screw