CHAPTER 9 EXERCISES

1. Stretch Command

Open drawing ME8EX3 from Chapter 8. Use the Stretch command to increase the length of the part as shown in Figure ME9-1. SaveAs CH9EX1-M.

2. Spacer Plate

Complete the drawing of the Spacer Plate in Figure ME9-2A. Use the Scale command to increase the size of the part to double the drawn size as shown in Figure ME9-2B. Use 0,0 for the “base point.” SaveAs CH9EX2-M.
3. Pump Gasket

Complete the drawing of the Pump Gasket in Figure ME9-3A. When complete, use the *Rotate* command to revolve the part 90 degrees as shown in Figure ME9-3B. *SaveAs CH9EX3-M.*

![Figure ME9-3A](image1)

![Figure ME9-3B](image2)

4. Tension Rod Eyelet

Complete the drawing of the tension rod eyelet in Figure ME9-4A. *SaveAs CH9EX4-M.*

Use the *Stretch* command to decrease the length as shown in Figure ME9-4B. (HINT: Draw the *Stretch* window to cross the central section of the rod.) Next, use *Scale* to decrease the inner shape of the head of the part as shown. (HINT: Select all four objects comprising the inner shape. Use a “base point” midway between points A and B as indicated in Figure ME9-4A.) *SaveAs CH9EX5-M.*

![Figure ME9-4A](image3)

![Figure ME9-4B](image4)