

## Exercise 20-7

1. Continue from Exercise 20-6 or start AutoCAD.
2. Start a new drawing from scratch or use a decimal-unit template of your choice. Save the drawing as EX20-7.
3. Set up appropriate layers, including a layer for dimensions.
4. Create a dimension with a diameter symbol similar to the dimension shown in Figure 20-3. Use an appropriate dimension style.
5. Copy the dimension five times to create six dimensions.
6. Use the **Properties** palette to edit the first (original) dimension as follows.
  - A. Change the Arrow 1 property so the arrowhead is an architectural tick.
  - B. Change the Dim line color setting to Red.
  - C. Turn the Ext line 1 option off.
7. Edit the second dimension as follows.
  - A. Change the Text color setting to Yellow.
  - B. Change the Text height setting to 0.5000.
8. Edit the third dimension by changing the Dim scale overall setting to 2.000.
9. Edit the fourth dimension as follows.
  - A. Change the Dim units setting to Fractional.
  - B. Change the Precision setting to 0 1/256.
10. Edit the fifth dimension as follows.
  - A. Turn the Alt enabled option on.
  - B. Change the Alt precision setting to 0.0000.
11. Edit the sixth dimension as follows.
  - A. Change the Tolerance display setting to Limits.
  - B. Change the Tolerance limit lower setting to 0.0001.
  - C. Change the Tolerance limit upper setting to 0.0002.
12. Resave and close the file.
13. Keep AutoCAD open for the next exercise, or exit AutoCAD if necessary.