

**Dimensioning Guidelines**

General Rules for Dimensioning

1. Dimensions should reflect the actual size of the object, not the scaled size.
2. Include overall dimensions in the three principle directions – height, width, and depth.
   1. Overall dimensions should be placed the greatest distance away from the object so that intermediate dimensions can nest closer to the object to avoid crossing extension lines.
3. Include all dimensions necessary to produce or inspect the part.
   1. Dimensions should be placed so that it is not necessary for the observer to calculate, scale or assume any measurement.
4. Do not include unnecessary dimensions.
   1. Dimensions should NOT be duplicated, nor should the same information be given in two different ways.
   2. Do not include chain dimensions that add up to a given overall dimension.
5. Dimensions should be attached to the view that best shows the contour of the feature to be dimensioned.
6. A dimension should be attached to only one view (i.e., extension lines should not connect two views).
7. Place dimensions between adjacent views whenever possible.
8. Avoid dimensioning to hidden lines.
9. Do not place dimensions on the object unless it is absolutely necessary.
10. Do not cross a dimension line with another dimension line or with an extension line.