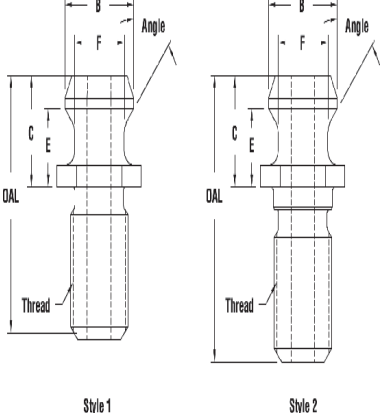

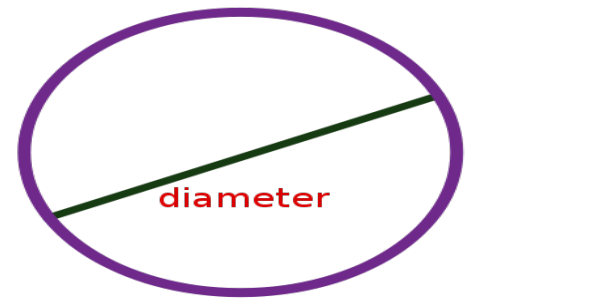
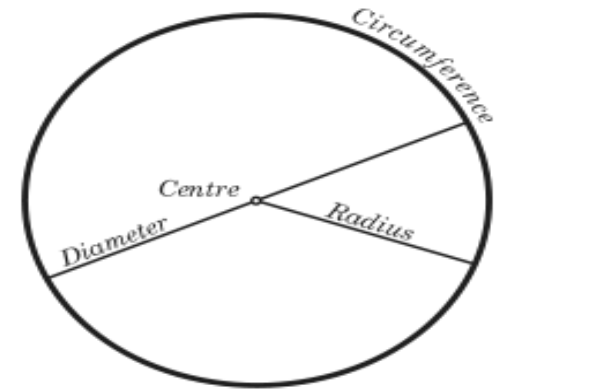
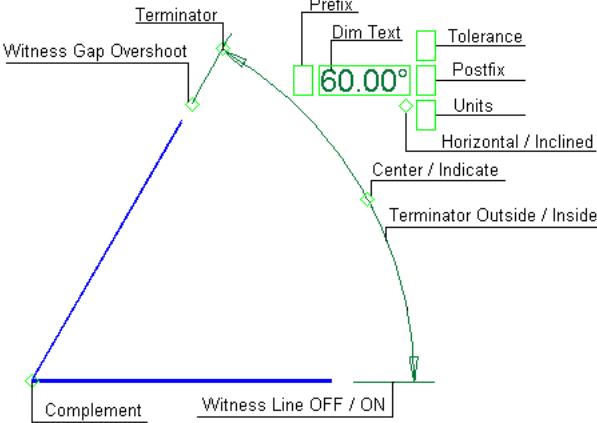
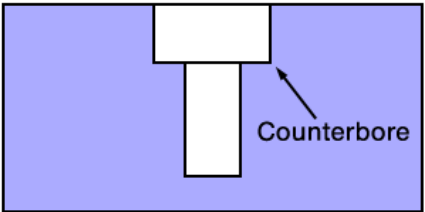


# Intro to Tech Draw Vocabulary

## Dimensioning Unit

Word	Definition	Your Definition	Sketch
Dimension Line	A line used to define the measurement of a part feature. Dimension lines consist of a solid line with arrows at both ends and a dimension in the center.	Solid line from one side of an object to the other side	
Extension Line	A line used to visually connect the ends of a dimension line to the relevant feature on the part. Extension lines are solid and are drawn perpendicular to the dimension line.	Line that extends a line of an object to visually connect two lines	
Leader Line	A thin line with an arrow head that is often positioned at an angle and is used to tie a dimension to a feature, especially when there are space limitations.	Thin line that connects dimension line with a feature	

ANSI	American National Standards Institute	American National Standards Institute	
ASME	American Society of Mechanical Engineers	American Society of Mechanical Engineers	
Diameter	Any straight line segment that passes through the center of the circle and whose endpoints are on the circle	Straight distance from one side of a circle to the other	
Radius	Any line segment from its center to its perimeter	The distance from the midpoint of a circle to the side	

<p>Angular Dimension</p>	<p>Forming an angle</p>	<p>Anything that forms an angle</p>	
<p>Counterbore</p>	<p>A cylindrical flat-bottomed hole, which enlarges another hole, or the tool used to create that feature.</p>	<p>A circle hole that drops through a 3D object</p>	
<p>Countersink</p>	<p>A hole with the top part enlarged so that the head of a screw or bolt will lie flush with or below the surface</p>	<p>Hole with a wide top and more narrow bottom</p>	