Freehand Sketching Techniques

Freehand Sketching

- Freehand Sketch of Orthographic Views
Freehand Sketching

- Freehand Isometric Pictorial Sketch

Freehand Sketching

- Freehand Shaded Sketch (Very nice!)
Freehand Sketching

- Drawing Grids:
  - Orthographic (Square)
  - Isometric
  - Perspective

Freehand Sketching

- Sketching Technique:
Freehand Sketching

- Sketching Long Lines:

Figure 4.13  Sketching Long Lines
Very long lines can sometimes be more difficult to draw. One technique is to use the edge of the paper as a guide for your hand. Another technique is to mark equal distances from the edge of the paper using a marked strip of paper as a guide. The marks are then used as a guide to produce the line.

Freehand Sketching

- Sketching Circles and Arcs:

Figure 4.14  Sketching a Circle
Sketching a circle is easier using one of the techniques shown. For small circles, use a square or multiple center lines to guide the construction process. For large circles, use a strip of paper with the radius marked on it as a guide.
Freehand Sketching

- Poorly Drawn Circles:

![Figure 4.18 Poorly Drawn Circles Will Have Flat Areas and Sharp Curves](image)

- Proportioned Drawings:

![Figure 4.16 Creating a Proportional Sketch](image)
Freehand Sketching

- Types of Sketches:
  - Orthographic Views
  - Isometric Pictorial
  - Oblique Pictorial
  - Perspective View

Completed 3-view sketch
Freehand Sketching

- Sketching an Isometric Ellipse: