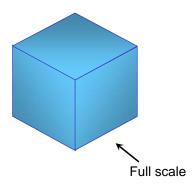


Isometric Drawing

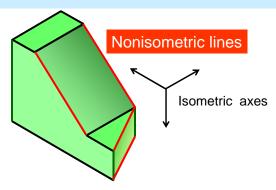
Isometric drawing is a drawing drawn on an isometric axes using *full scale*.

Isometric drawing (Full scale)



Distance in Isometric Drawing

- True-length distances are shown along isometric lines.
- Isometric line is the line that run parallel to any of the isometric axes.



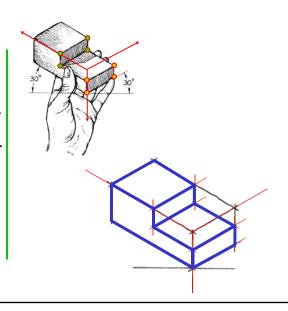
Isometric Sketching



Sketch from an actual object

STEPS

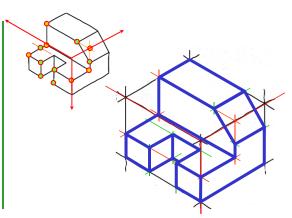
- 1. Positioning object.
- 2. Select isometric axis.
- 3. Sketch enclosing box.
- 4. Add details.
- 5. Darken visible lines.



Sketch from an actual object

STEPS

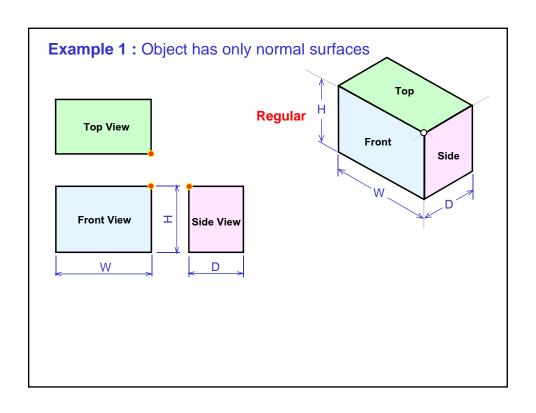
- 1. Positioning object.
- 2. Select isometric axis.
- 3. Sketch enclosing box.
- 4. Add details.
- 5. Darken visible lines.

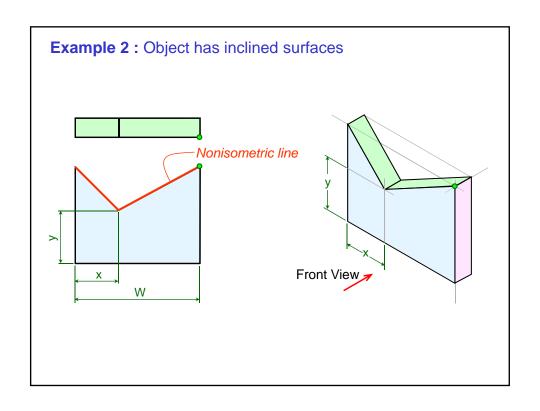


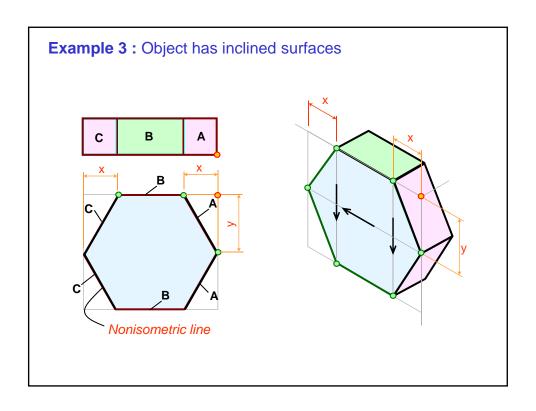
Note In isometric drawing, hidden lines are omitted unless they are absolutely necessary to completely describe the object.

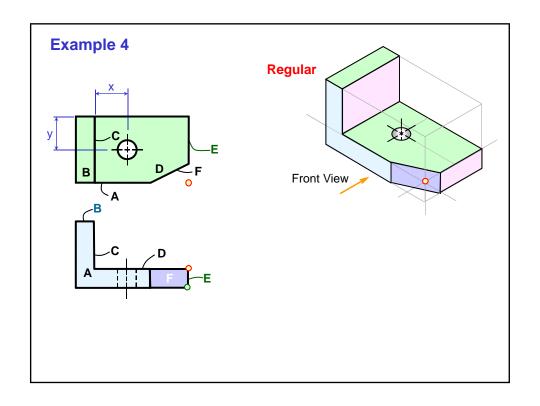
Sketch from multiview drawing

- Interprete the meaning of lines/areas in multiview drawing.
- 2. Locate the lines or surfaces relative to isometric axis.









Circle & Arc in Isometric

In isometric drawing, a circle appears as an ellipse.

Steps

- 1. Locate the center of an ellipse.
- 2. Construct an isometric square.
- 3. Sketch arcs that connect the tangent points.

