



Boat Wedge



A. Sketch.

Step 1. Click File Menu > New, click **Part** and OK.

Step 2. Click **Right Plane**  in the Feature Manager and click **Sketch**  on the context toolbar, **Fig. 1**.

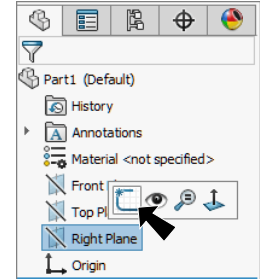



Fig. 1

Step 3. Click **Line**  (L) on the Sketch toolbar.

Step 4. Starting from the Origin  sketch two lines, **Fig. 2**. Use the inferencing line, the dotted line that appears when you sketch the across the bottom of the sketch to keep the end of the lines aligned horizontally.

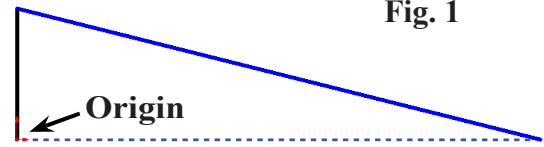


Fig. 2

Step 5. **Right click graphics area and click Select** from menu to unselect Line tool.




Step 6. **Ctrl click Origin**  and **right endpoint of angled line** and to select both. Release Ctrl key and click **Make Horizontal**  on the context toolbar, **Fig. 3**.



Fig. 3

Step 7. Click **Smart Dimension**  (S) on the Sketch toolbar.

Step 8. Dimension lines, **Fig. 4**.

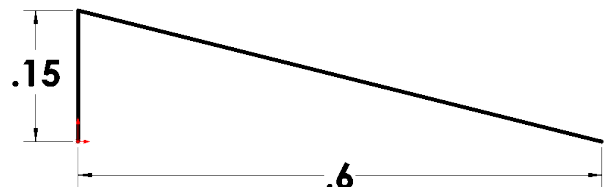


Fig. 4

B. Save as "WEDGE".

Step 1. Click File Menu > Save As.

Step 2. Key-in **WEDGE** for the filename and press ENTER.

C. Sheet Metal.

Step 1. Click Insert Menu > Sheet Metal > Base Flange.

- Step 2. In the Property Manager:
- under Direction 1, **Fig. 5**
End Condition **Mid Plane**
 - Depth** **.5**
 - under Sheet Metal Gauges
check **Use gauge table**
select **Sample Table - Aluminum**
 - under Sheet Metal Parameters
select **Gauge 26**

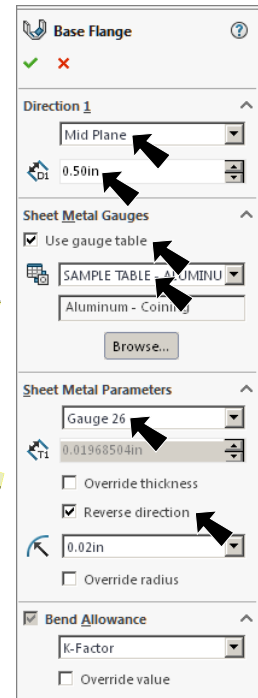
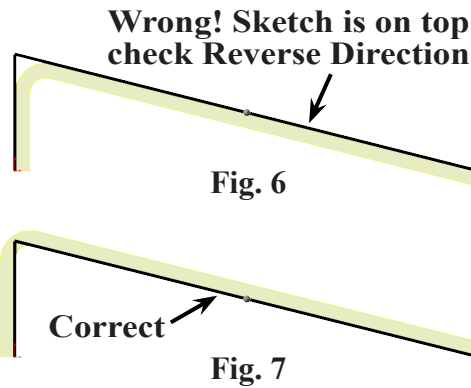


Fig. 5

Click **Right** on the View toolbar. (Ctrl-4)
IF sheet metal is on bottom, Fig. 6, check Reverse direction in the Property Manager

IF sheet metal is on the top of sketch, Fig. 7 - click OK .
Sheet metal (green part) has to be on top of sketch (black line)

D. Chamfers.

Step 1. Click **Isometric** on the View toolbar. (Ctrl-7)

Step 2. Click **Chamfer** on the Features toolbar.

Step 3. In the Chamfer Property Manager set:
under Chamfer Parameters, **Fig. 8**

- Depth** **.1**
- Angle** **45°**
- drag a selection around each corner to select the corner edge, **Fig. 9**
- click OK .

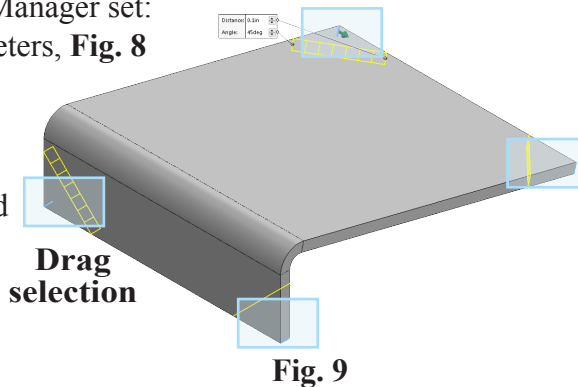


Fig. 9

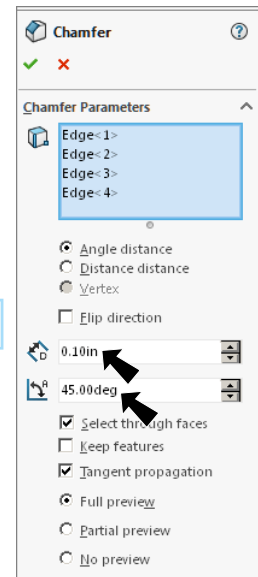


Fig. 8

E. Material Galvanized Steel.

Step 1. **Right click Material** in the Feature Manager and click **Edit Material**.

Step 2. Expand **Steel** in the material tree and click **Galvanized Steel**. Click **Apply** and **Close**.

Step 3. Save. Use **Ctrl-S**.



Fig. 10