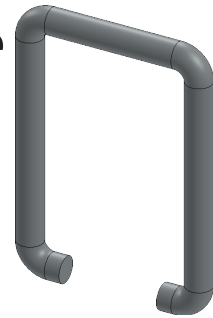


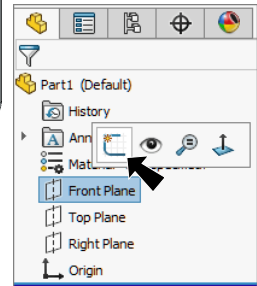
# Latch Wire



### A. Sketch.

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

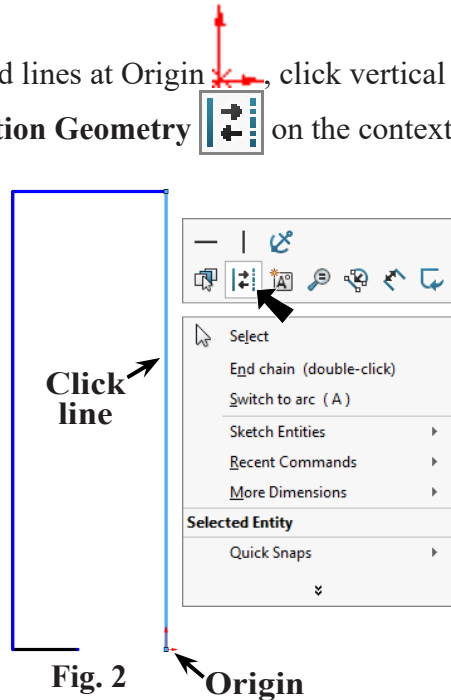
Step 2. Click **Front Plane** in the Feature Manager and click **Sketch** on the context toolbar, **Fig. 1**.



**Fig. 1**

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

Step 4. Sketch lines, **Fig. 2**. End lines at Origin, click vertical line at Origin and **Construction Geometry** on the context toolbar.

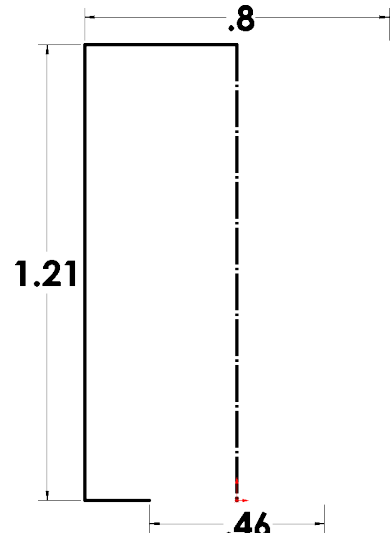


**Fig. 2**

Step 5. Click **Smart Dimension** (S) on the Sketch toolbar.



Step 6. Add dimensions, **Fig. 3**.



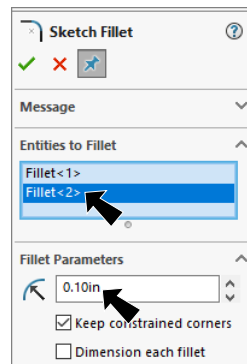
**Fig. 3**

Step 7. Click **Sketch Fillet** on the Sketch toolbar.

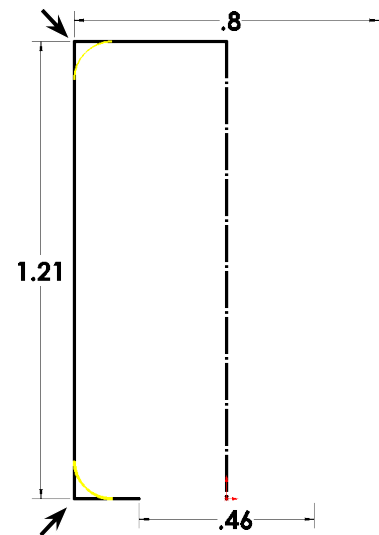


Step 8. In the Sketch Fillet Property Manager set: under Fillet Parameters, **Fig. 4**

**Radius** .1  
click the **two corners on left side**, **Fig. 5**  
click OK twice.



**Fig. 4**



**Fig. 5**

Step 9. Drag a selection around all geometry, **Fig. 6**.


Step 10. Click **Mirror Entities**  **Mirror Entities** on the Sketch toolbar, **Fig. 7**.

## B. Save as "LATCH WIRE".

Step 1. Click File Menu > Save As.

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

## C. Sweep.

Step 1. Click **Features**  on the Command Manager toolbar.

Step 2. Click **Swept Boss/Base**  **Swept Boss/Base** on the Features toolbar.

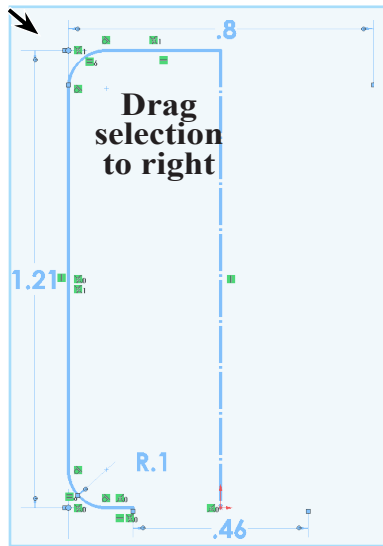
Step 3. In the Swept Boss/Base Property Manager: under Profile and Path, **Fig. 8** select **Circular Profile**

**Path**  click Sketch1, **Fig. 9**

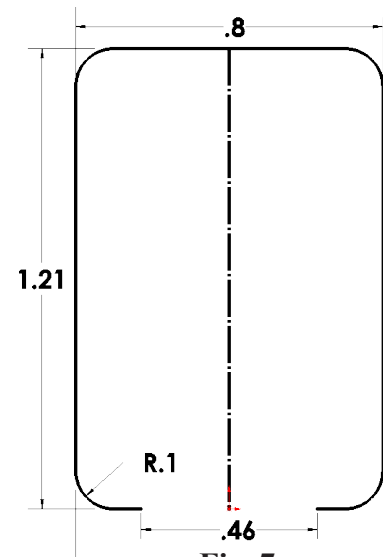
**Diameter**  **.125**

click OK .

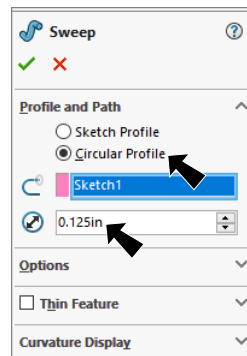
Step 4. Save. Use **Ctrl-S**.



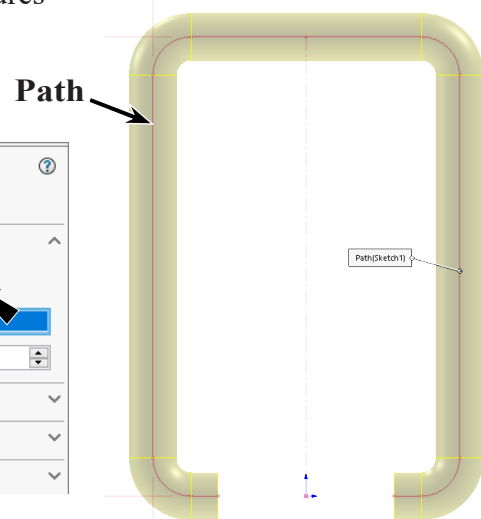
**Fig. 6**



**Fig. 7**





**Fig. 8**



**Fig. 9**

## D. Appearance Chrome.

Step 1. Click **Trimetric**  on the Standard Views toolbar.

Step 2. Click the part, click **Appearance Callout**  on the context toolbar and click **LATCH TOP** , Fig. 10.

Step 3. In the Appearances Task pane, expand **Metal**, click **Chrome** and in the lower pane select **chromium plate**, Fig. 11.

Step 4. Click OK  in the Property Manager, Fig. 12.

Step 5. Save. Use **Ctrl-S**.

