

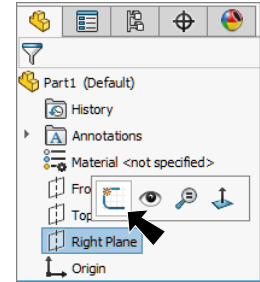


**A. Sketch.**

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

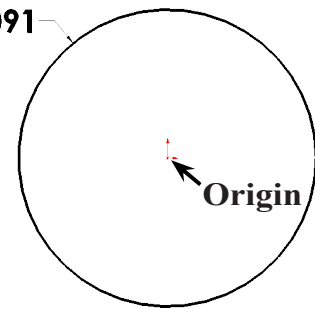
Step 2. Click **Right Plane**  in the Feature Manager and click **Sketch**  on the context toolbar, **Fig. 1**.



**Fig. 1**

Step 3. Click **Circle**  on the Sketch toolbar.


Step 4. Sketch a circle starting at the Origin , **Fig. 2**.

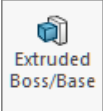




**Fig. 2**

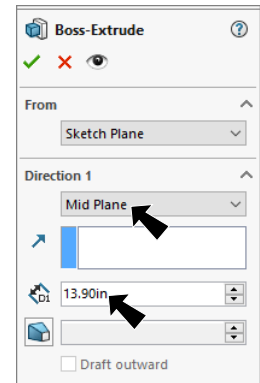
Step 5. Click **Smart Dimension**  (S) on the Sketch toolbar.

Step 6. Dimension circle **diameter .091**, **Fig. 2**.

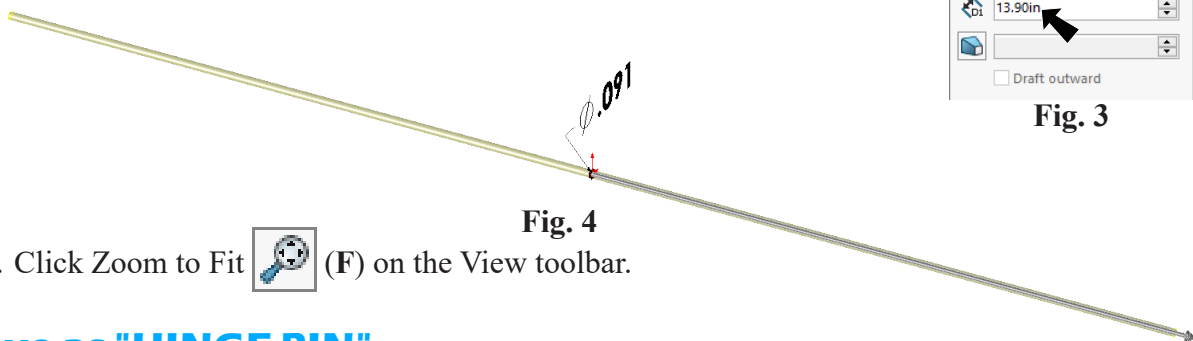
Step 7. Click **Features**  on the Command Manager toolbar.

Step 8. Click **Extruded Boss/Base**  on the Features toolbar.

Step 9. In the Boss-Extrude Property Manager set:  
under Direction 1, **Fig. 3**  
End Condition **Mid Plane**  
**Depth**  **13.9**  
click OK .



**Fig. 3**



**Fig. 4**

Step 10. Click Zoom to Fit  (F) on the View toolbar.

**B. Save as "HINGE PIN".**

Step 1. Click File Menu > Save As.

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