





A. Sketch.

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

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

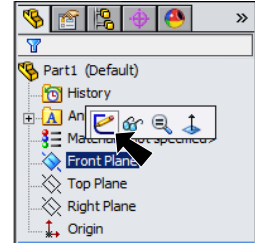





Fig. 1

Step 3. Click **Centerline**  (S) in the **Line flyout**  on the Sketch toolbar.

Step 4. Starting at the **Origin** , draw a **vertical centerline** up from the Origin and **horizontal centerline** out to the left, **Fig. 2**.

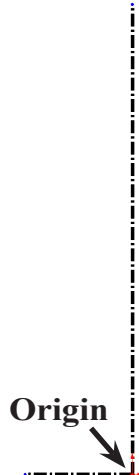


Fig. 2

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

Step 6. Draw a **circle at top endpoint of vertical centerline**, **Fig. 3**.

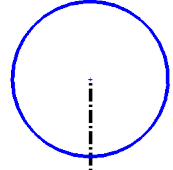



Fig. 3

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

Step 8. Dimension **vertical centerline 15.15** and circle **diameter 5**, **Fig. 4**.

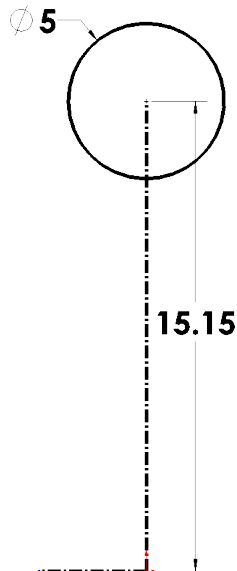


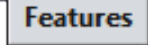
Fig. 4

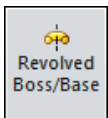
B. Save as "TIRE".



Step 1. Click File Menu > Save As.

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

C. Revolved Boss/Base.

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

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

Step 3. In the Revolve Property Manger:
for Axes of Revolution 
click horizontal centerline, Fig. 6
click OK .

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

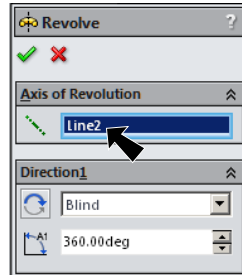


Fig. 5

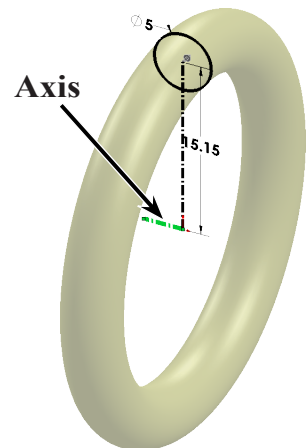


Fig. 6

D. Material Rubber.

Step 1. **Right click**  in the Feature Manager and click **Edit Material, Fig. 7**.

Step 2. **Expand Rubber** in the material tree and select **EPDM 60 Durometer**. Click **Apply** and **Close**.

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

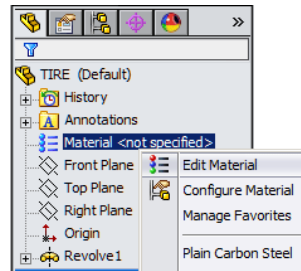


Fig. 7



Fig. 8

