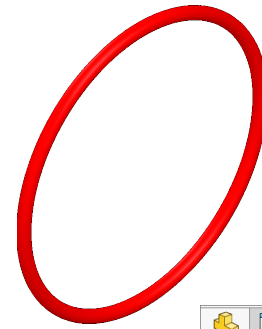




Solar Train Band



A. Revolve.

Step 1. Click **New**  on the Standard toolbar, click **Part**  and OK.

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

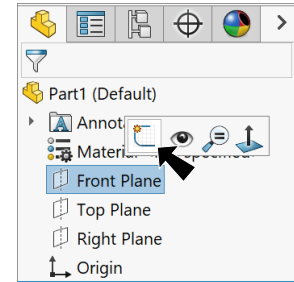


Fig. 1

Step 3. Click **Circle**  (S) on the Sketch toolbar.

Step 4. Sketch **circle above Origin** , **Fig. 2**.

Step 5. **Unselect Circle tool**. To unselect, right click graphics area and click **Select**  from menu.

Step 6. **Ctrl click centerpoint of circle and Origin**  to select both. Release Ctrl key and click **Make Vertical**  on the context toolbar, **Fig. 3**.

Origin
Fig. 2

**Ctrl click
centerpoint
and Origin**
Fig. 3

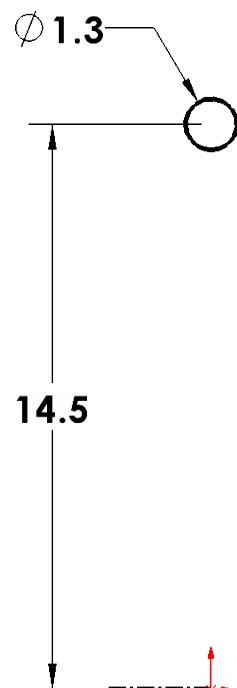
Fig. 4

Step 7. Click **Centerline**  in the **Line flyout**  on the Sketch toolbar.

Step 8. Sketch **horizontal centerline from Origin** , **Fig. 4**.

Step 9. Click **Smart Dimension**  (S) on the Sketch toolbar.

Step 10. Add dimensions, **Fig. 5**.



Step 11. Click **Features**  on the Command Manager toolbar.

Step 12. Click **Revolved Boss/Base**  on the Features toolbar.

Step 13. In the Revolve Property Manger set:

under Axis of Revolution 
centerline is selected, **Fig. 6**
click OK .

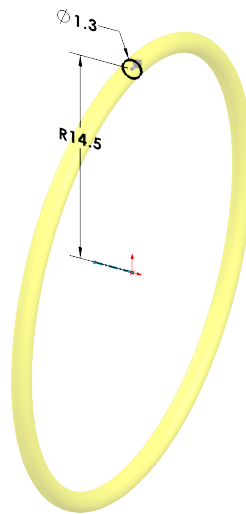


Fig. 7

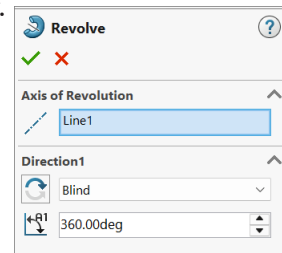


Fig. 6

B. Save as "BAND".

Step 1. Click File Menu > Save As.

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

C. Appearance: Red Rubber.

Step 1. Click part, click **Appearance Call-**



out on the context toolbar and click **BAND** , **Fig. 8**.

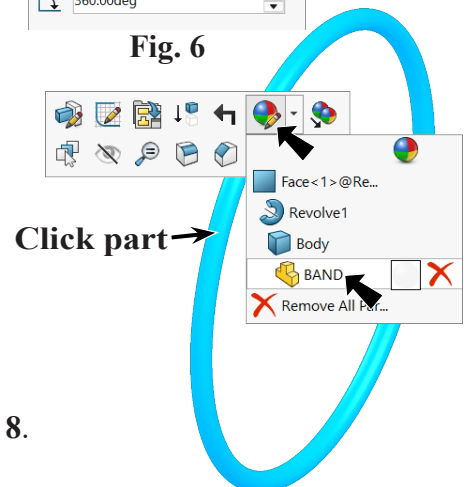


Fig. 8

Step 2. In the Appearances Task pane, expand **Rubber** and click **Matte**, **Fig. 9**.

Step 3. Over in Appearances Property Manager, under Color, **Fig. 10** click **red swatch** and OK .

Step 4. Save  (Ctrl-S).

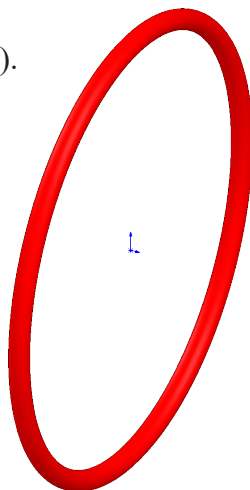


Fig. 8

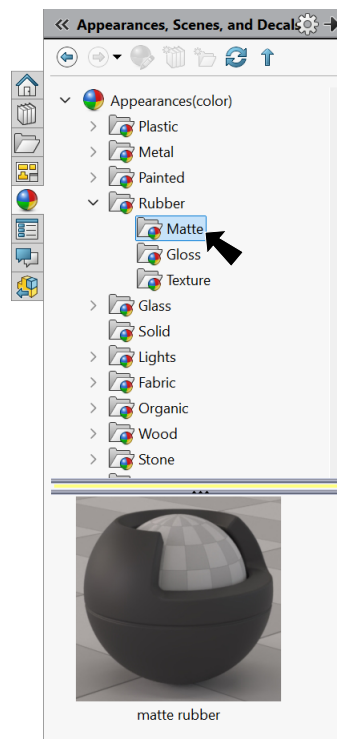


Fig. 9

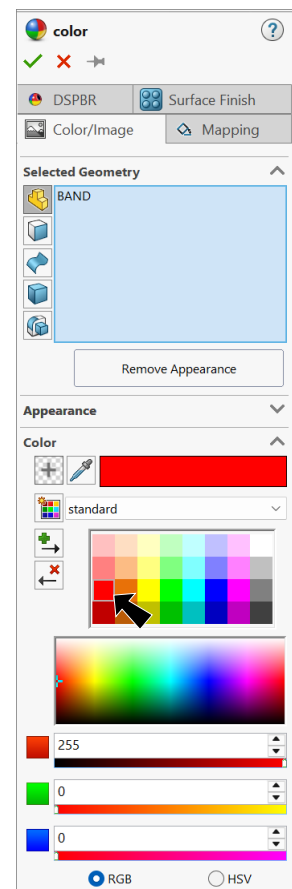


Fig. 10