

A. Revolve.

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

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

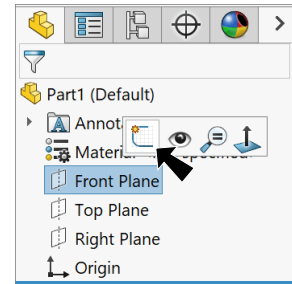


Fig. 1

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

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

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

Step 6. Dimension **diameter 7.9**, **Fig. 2**.

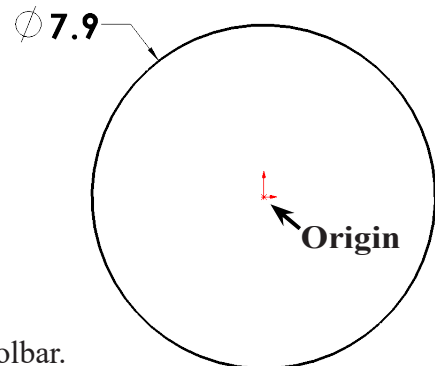
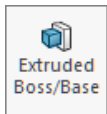


Fig. 2

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 **Blind**
Depth  **.94**
click OK .

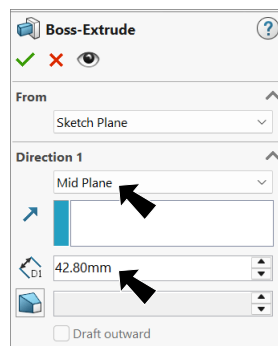


Fig. 3

B. Save as "MAGNET".

Step 1. Click File Menu > Save As.

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

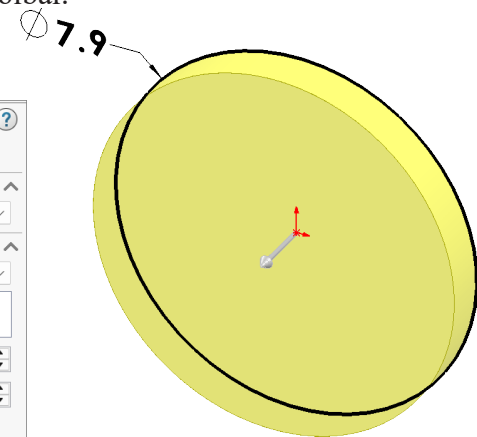


Fig. 4

C. Fillet.

Step 1. Click **Fillet**  on the Features toolbar.

Step 2. In the Fillet Property Manager set:
select **FilletXpert**, Fig. 5

- ① **Radius**  .35
click **both circular edges (2)**,
Fig. 6
click OK .

Step 3. Save  (Ctrl-S).

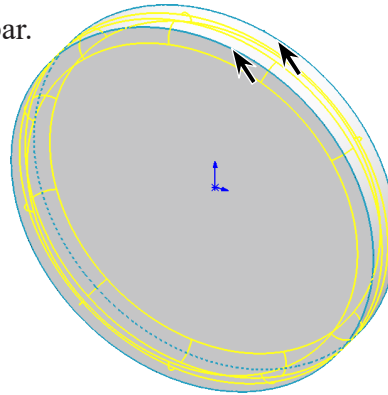


Fig. 6

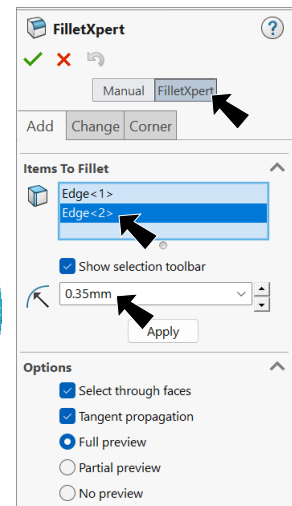


Fig. 5

D. Appearance: Chrome.

Step 1. Click part to select, click **Appearance Callout**

 on the Context toolbar and click **MAGNET** , Fig. 7.

Step 2. In the Appearances Task pane, expand **Metal**,
click **Chrome** and in the lower pane select **chromium plate**, Fig. 8.

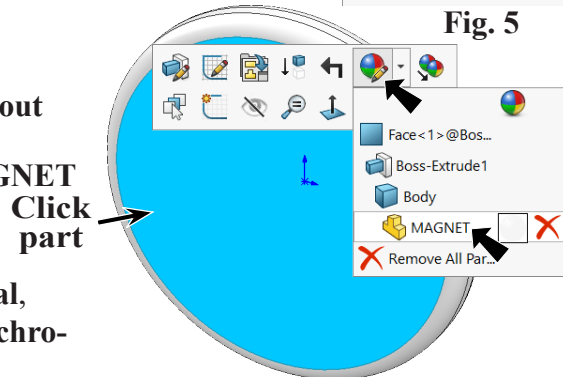


Fig. 7

Step 3. Click OK  in the Property Manager.

Step 4. Save  (Ctrl-S).

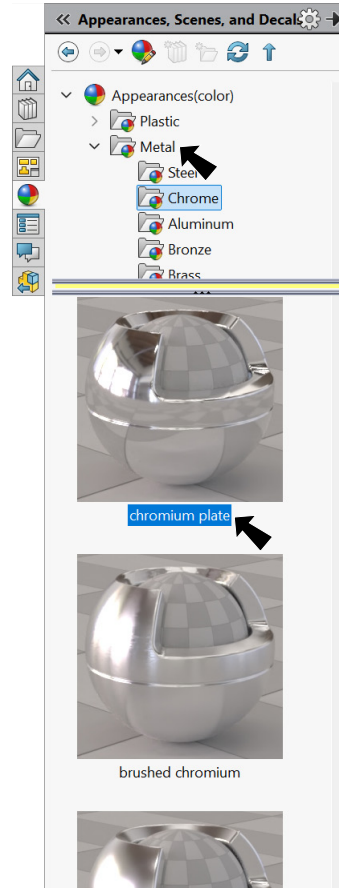


Fig. 8

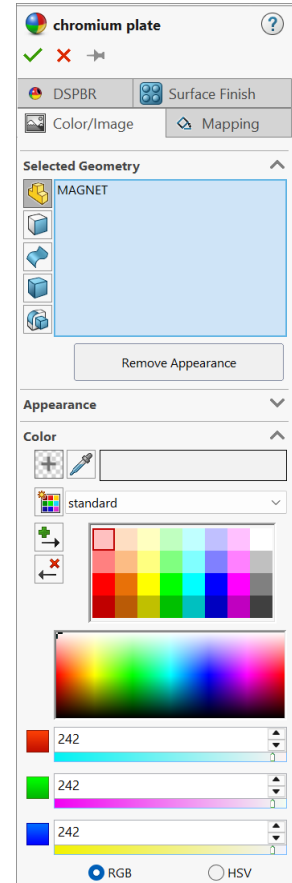


Fig. 9

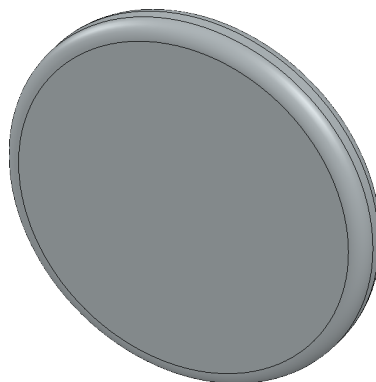


Fig. 10