




# Propeller Shaft

## A. Cylinder.

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**.

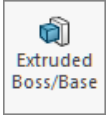
Step 3. Click **Circle**  (S) on the Sketch toolbar.

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

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

Step 6. Dimension diameter **.13**, **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**

**Depth**  **1.5**

click OK .

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

## B. Save as "PROP SHAFT".

Step 1. Click File Menu > Save As.

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

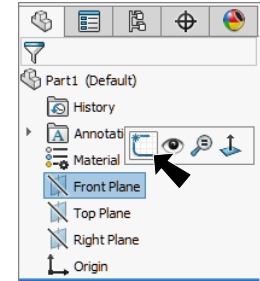
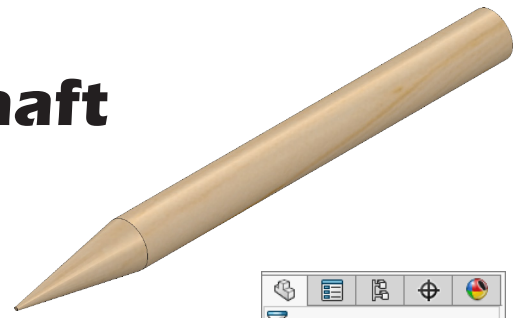


Fig. 1

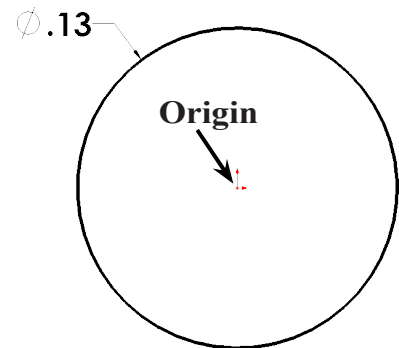


Fig. 2

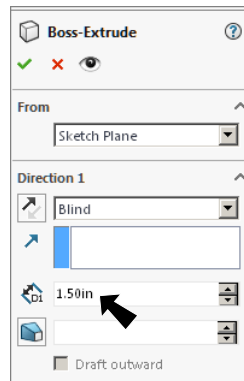


Fig. 3

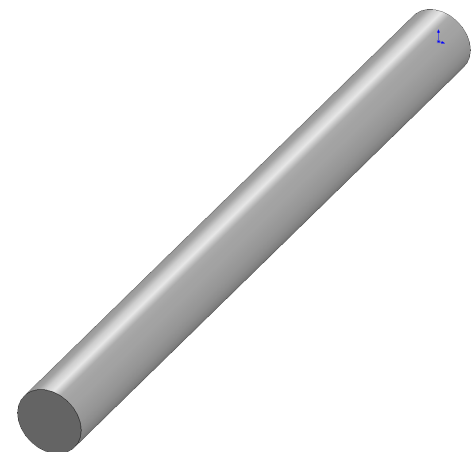


Fig. 4

### C. Chamfer to Point.

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

Step 2. In the Chamfer Property Manager:

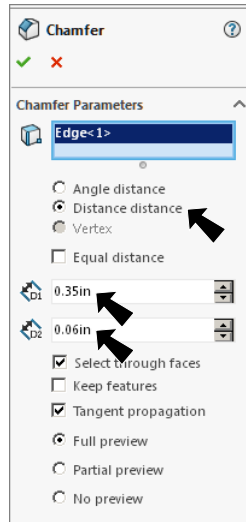
under Chamfer Parameters,  
**Fig. 5**  
 select **Distance distance**

Depth 1  **.35**

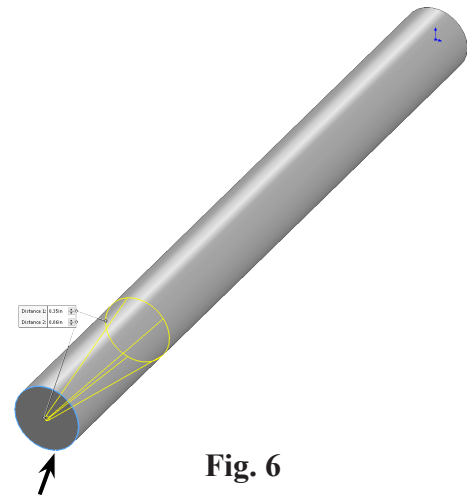
Depth 2  **.06**

click **front edge**, **Fig. 6**

click **OK** .




**Fig. 5**



**Fig. 6**

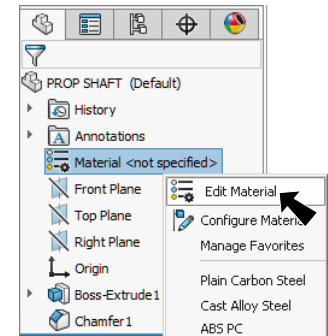
Step 3. Save. Use **Ctrl-S**.

### D. Material Maple.

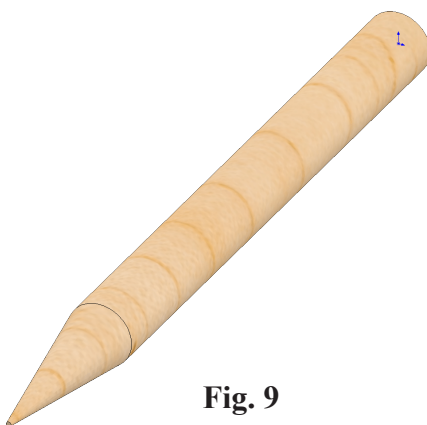
Step 1. **Right click** **Material**  in the Feature Manager and click **Edit Material**, **Fig. 7**.

Step 2. **Expand Woods** (click the +) in the material tree and select **Maple**, **Fig. 8**. Click **Apply** and **Close**.

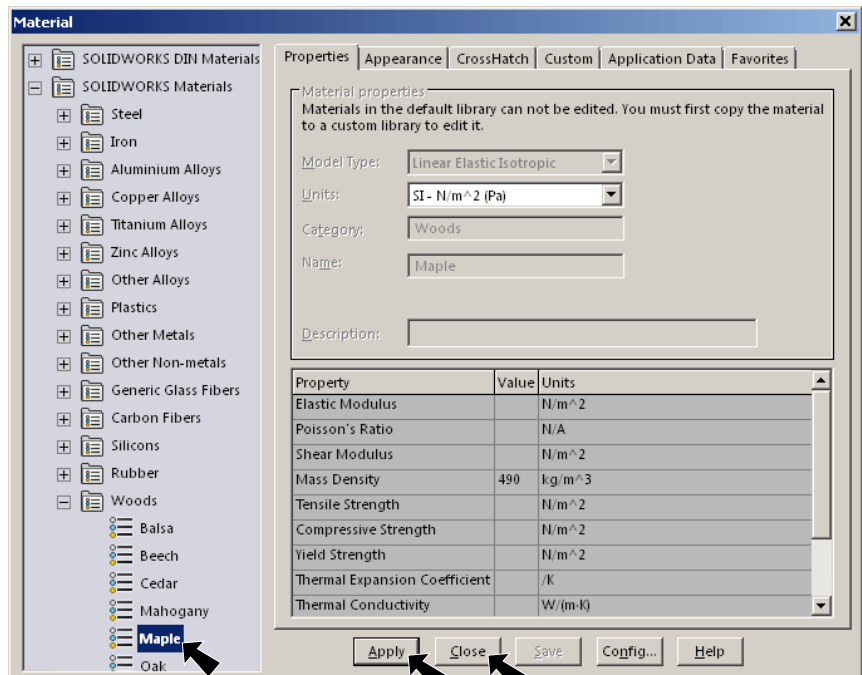
Step 3. Save. Use **Ctrl-S**.



**Fig. 7**



**Fig. 9**



**Fig. 8**

## E. Rotate Mapping.

Step 1. Click PhotoView 360 Menu > Appearance.

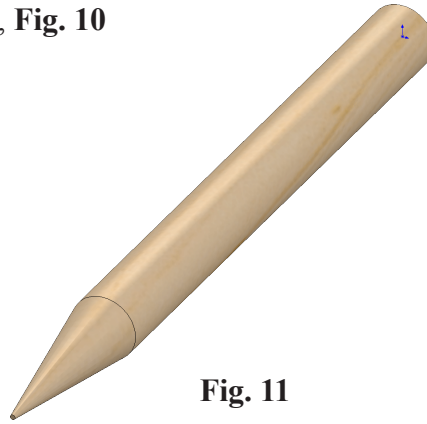
Step 2. In the Property Manager:

click **Mapping tab**  **Mapping**, **Fig. 10**

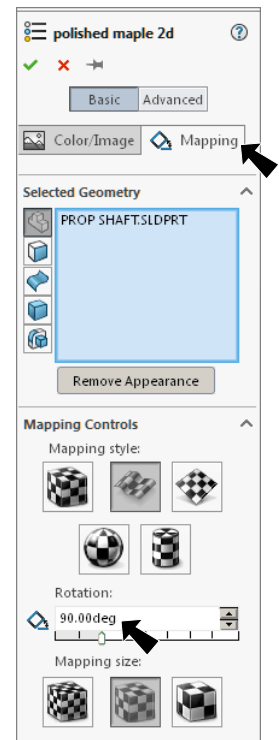
**Rotation 90**

click OK .

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



**Fig. 11**



**Fig. 10**