

Handle Sub-Assembly


A. Insert Plate and Rod.


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

Step 2. Select your **PLATE** file and click Open from the Open dialog box.

Step 3. In the Begin Assembly Property Manager set:

click **Keep Visible** , **Fig. 1**.

Click OK . This will place Plate origin at the assembly origin and fix the position so Plate cannot move. This fixed component should have a **(f)** before its name in the Feature Manager

▶  (f) PLATE<1> .

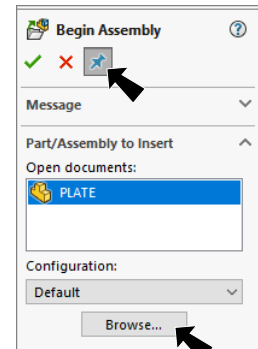


Fig. 1

Step 4. Click **Browse** in the Property Manager.

Step 5. Select your **ROD** file and click Open.

Step 4. Place Rod as positioned in **Fig. 2**.

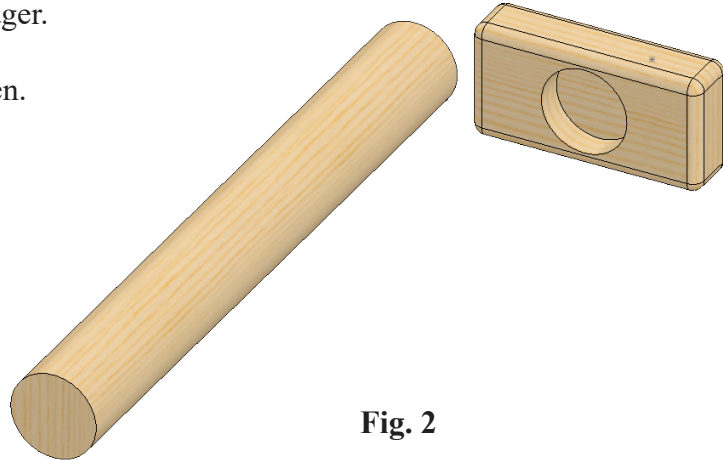


Fig. 2

B. Save as "HANDLE".

Step 1. Click File Menu > Save As.

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

C. Mate: Rod.

Step 1. Click **Mate**  on the Assembly toolbar.

Step 2. Click **bottom cylindrical edge of hole in Plate** and click **rear cylindrical edge of Rod**, **Fig. 3**.

Step 3. Click Add/Finish Mate  in Mate pop-up toolbar to add a **Coincident** mate.

Step 4. Click OK  in the Property Manager.

Step 5. Save. Use **Ctrl-S**.

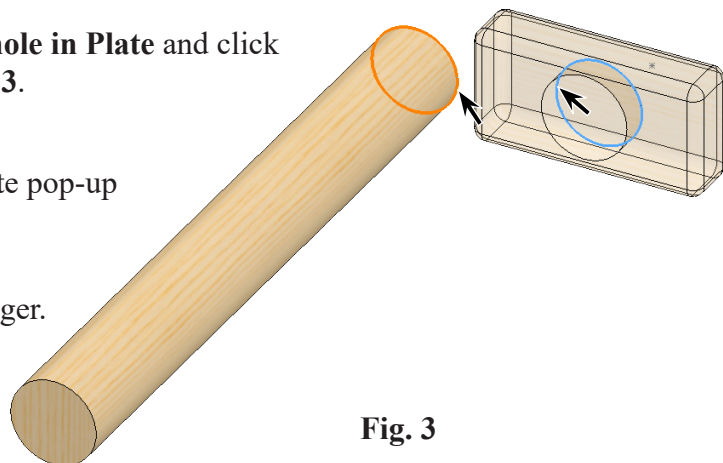


Fig. 3

D. Insert Knob.

Step 1. Click **Insert Components**  on the Assembly toolbar.

Step 2. Select **Knob** file and click Open.

Step 3. Place Knob, **Fig. 4**.

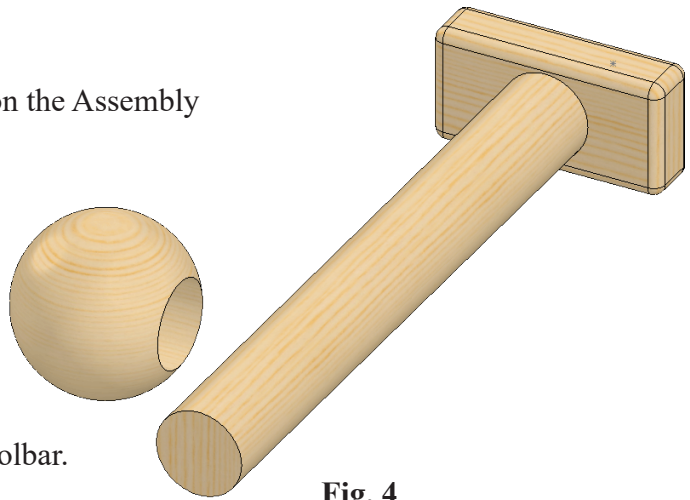



Fig. 4

E. Mate: Knob.

Step 1. Click **Mate**  on the Assembly toolbar.

Step 2. **Hide the spherical face of Knob**, click **bottom cylindrical edge of hole in Knob** and click **front cylindrical edge Rod**. To hide face, hover cursor over face of Knob and press **Alt key**, **Fig. 5**.

Step 3. Click Add/Finish Mate  in Mate pop-up toolbar to add a **Coincident** mate.

Step 4. Click OK  in the Property Manager.

Step 5. Save. Use **Ctrl-S**.

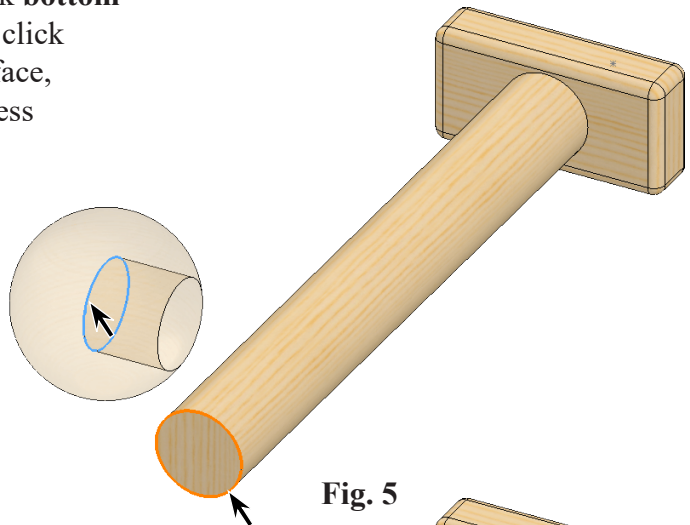


Fig. 5

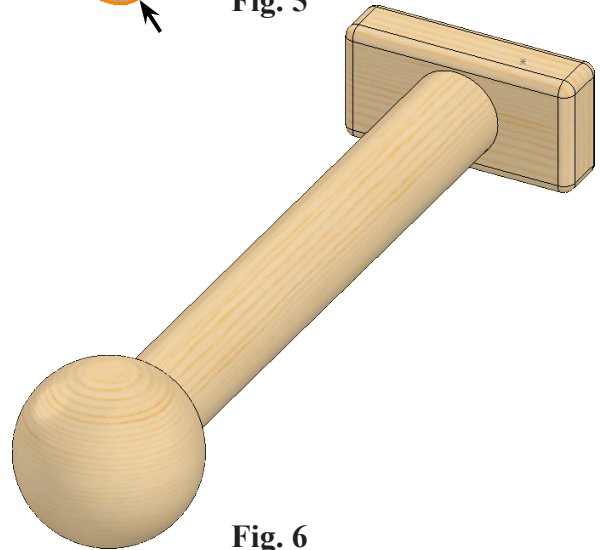


Fig. 6