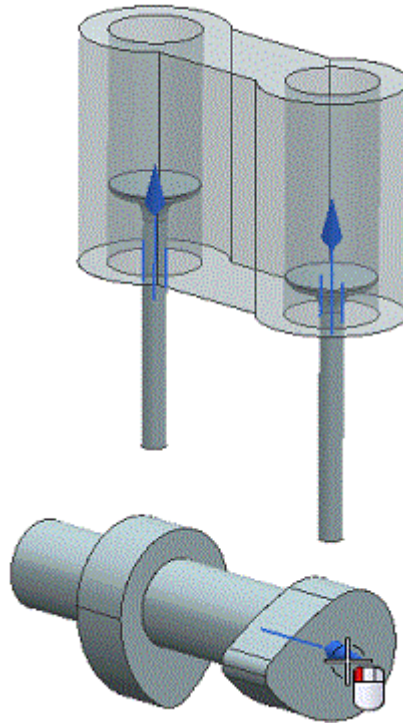


Apply a cam profile to a mechanical cam

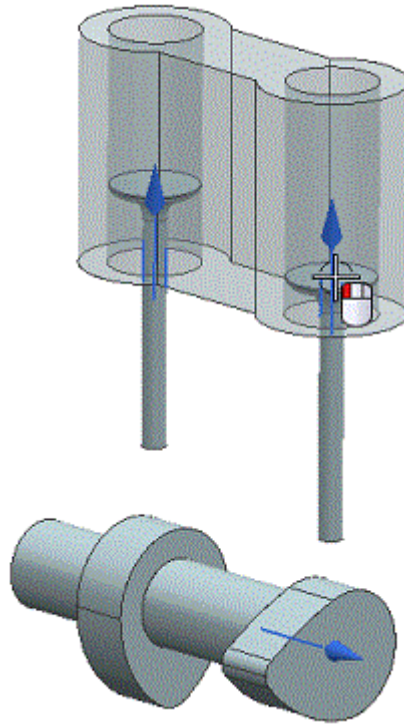
You will apply a cam profile to a mechanical cam to control the motion of the right valve relative to the camshaft.

1. Choose **Home** tab→**Mechanical** group→**Mechanical Cam** .

2. To set the master axis, in the graphics window, select **cam joint**.



3. To set the slave axis, select **valve joint2**.



4. To assign the cam profile, in the **Mechanical Cam** dialog box, do the following:

1. In the **Motion Profile** group:

■ **Profile = valve2 motion**

2. In the **Name** group:

■ **Name = engine valve2**

3. Click **OK**.

5. Play the simulation to see the results, and then stop the simulation.

Note The valve motion is not fully developed. You can use SCOUT integration to develop a more specific profile.

6. Close the part without saving it.

You completed the activity.