1. Create a PMI model view

PMI model views form the basis of model-based definition (MBD), which provides a single, digital definition of design geometry and non-geometric information, such as annotations, tolerances, surface finishes, and other manufacturing data.

You can create PMI views with the required orientation and PMI information that is displayed in the work area. You can also choose to display the required PMI information such as dimensions, annotations, and sections.

For more information, see Solid Edge Model Based Definition (MBD).

1. Choose the **PMI** tab→**Model Views** group→**Model View** command .

    Alternatively, you can use the **Model View Palette** pane to choose the **Model View** command. For more information, see **Show model views in a palette**.

2. On the **Model View** command bar, enter the name of the view and click **Set Orientation** to save the current orientation of the model in the view.

    Before starting the command, if the model is in the standard orientation (front, top, and so on), the name of the corresponding standard view is displayed as a name of the model view.

    To modify the orientation in the view, change the orientation of the model and then click **Set Orientation**.

    The view orientation is stored in the model view definition and it will not be affected by subsequent view manipulation before you click **Finish**. If you do not use the **Set View Orientation** option, the last orientation (when clicking **Finish**) will be stored in the model view definition.

3. To change the render mode, select a mode from the **Options**→**Render mode** list.

    By default, the **Shaded with Visible Edges** mode is selected.

4. To publish the model view while creating a 3D PDF, select the **Include in Publish 3D PDF** check box. By default, this check box is selected.

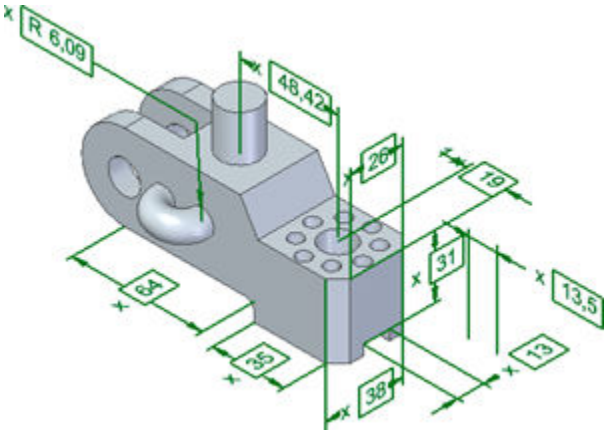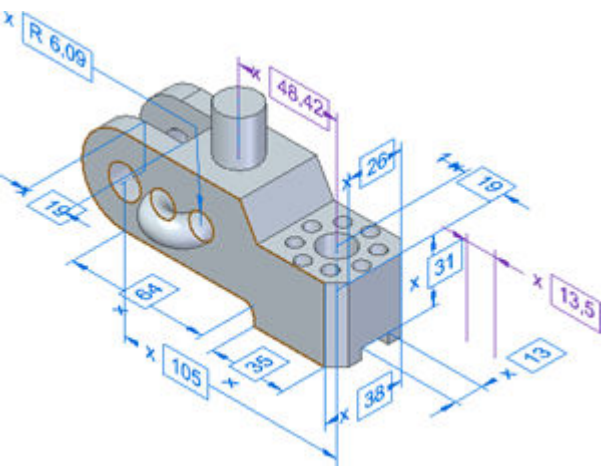   The model views is exported to the 3D PDF as per the selected render mode.
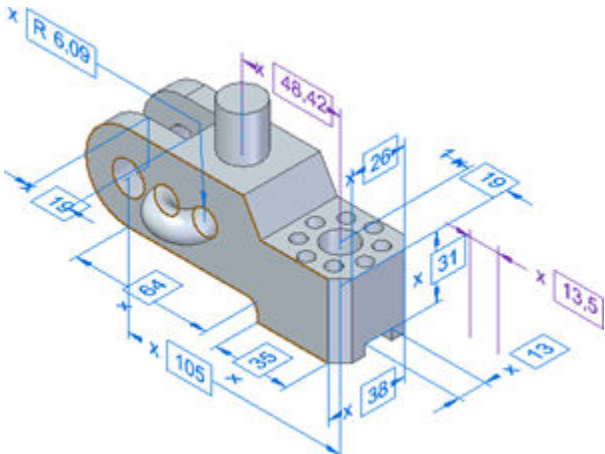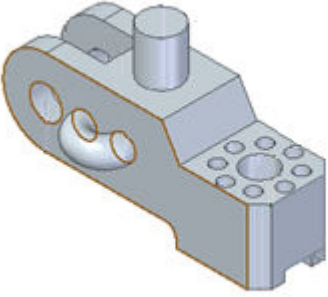
    > Note:
    >
    > Model views created with visible and hidden edges are exported as model views with visible edges.

5. To display the PMI information based on the selection of the plane or customized PMIs, select one of the following modes in the **PMI→Selection mode** list:

    • **PMI**: Lets you display and select the PMIs. By default, **PMI** is selected while creating or editing a model view.

      When you select **PMI**, you can select the following options to customize the display of PMIs.

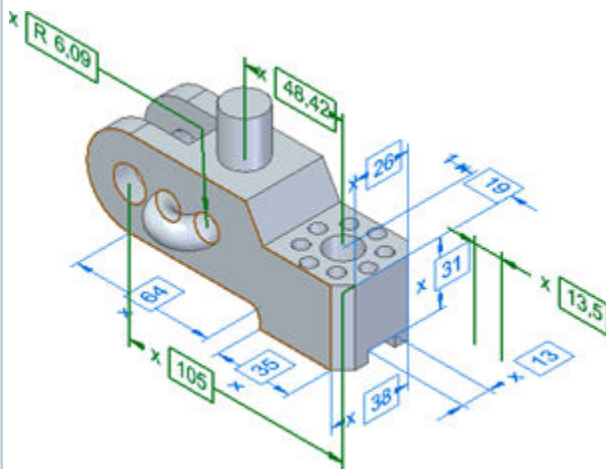| **Select→Select All Displayed** 🗹 : Selects and adds displayed PMIs to the model view	**Select→Deselct All** ▨ : Deselects all PMIs
Show→Show All ▦ : Displays all PMIs	**Show→Hide All** ▦ : Hides all PMIs.

Show→Show Parallel to Plane 🖼: Displays all PMIs parallel to the view orientation or the selected PMI plane	**Show→Show Coplanar to Plane** 🖼: Displays all PMIs coplanar to the view orientation or the selected PMI plane
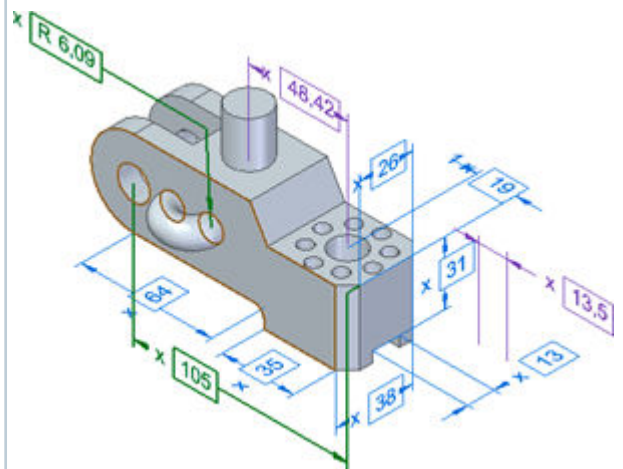
When you choose any of the select options, the selected PMIs are displayed in green ▮. You can also manage the selection of the PMIs from the work area or the **PathFinder**.

- **PMI Plane**: Lets you select the plane or planar face. The model is oriented parallel to the plane or planar face you select.

  To change the orientation while keeping the plane selection, orient the model to the required position and then click **Set Orientation**.

  Note:

  After you select the PMI plane, change the selection mode to **PMI** to manage the display and selection of PMIs.

  Note:

  - Clicking a new face or reference plane replaces the current selection.

  - To clear the selection, press Shift and select the face or reference plane. You can also press F3 to clear the selection of a plane.

6.   To display the sections in the model view, select the check boxes for the required sections under **Sections**.

      As you hover over the sections in the list, the section planes are highlighted in the work area.

      In the **Sections**→**Cut display** list, you can choose how to display the cut section. To display the cutting plane, you can select the **Show cutting plane** check box.

7.   To create the model view with the displayed PMI information, click **Finish**.

      • You can create an empty model view (without any PMIs) and activate it later to create and add PMIs. To add the PMI information in an empty model view, right-click its node, select **Activate**, and then create the PMIs. The PMIs are automatically added under the activated model view.

      • You can create a drawing view with the PMIs displayed in the model view. For more information, see **Create a PMI drawing view**.

8.   (Optional) To modify the PMI model view, right-click the node of the required view in **PathFinder** and then select **Edit Model View**.

      The model is reoriented according to the model view.