**Pro/ENGINEER Drawing Mode**  
**Working with Drawing Details**

**Displaying Dimensions:**

To display the section dimensions (dimensional constraints from your sketches)

**View > Show and Erase**
- Pick the **dimension button** and **Show** in the dialogue
- Select either **View** or **Feature** under **Show By**
- Choose desired view or feature
- Dimensions will display in Blue
  - User can choose which dimensions to keep or not keep at this point using **Select to Keep**, **Select to Remove**. You can also choose to **Keep All**.

Selections turn Red
- Select **Close** to end the command and **Repaint** the display, the dimensions should now be Yellow in color.

**Editing Dimensions:**

To move a dimension:
- Pick the dimension (on value) to highlight.
- Pick the dimension again and release
- Move the dimension to the desired location and Pick to place

To access other editing options*
- Pick the dimension to highlight
  - (note: to pick multiple dimensions, hold the **SHIFT** key while picking)
- Press the **RMB** (you may have to hold it for a second)
- The **Option** window will open

  This **Option** window includes the commands:
  - Switch View
  - Nominal Value
  - Properties
  - Flip Arrows
  - Arrow Style
  - Erase Witness Line
  - Show Witness Line
  - Erase
Switch View
Use this option to move a dimension from one view to another. Select the option, then select the destination view.

Nominal Value
Use this option to change the nominal value of a dimension.

Properties
This option opens a dialogue box that allows the user to make changes to several different aspects of the selected dimension(s).

The Properties section lets you:

1) Change the nominal values, specify the type of tolerance displayed (or to display just nominal) and to set the value(s) for the tolerance.
2) Change the format of the dimension between fractional and decimal, and in the case of decimal, to set the precision.
3) Set the witness line display settings
4) Set the dimension to display as a Basic dimension
5) You can also Flip The Arrows, Move the dimension, Move the dimension text, Change the attachment point of the dimension
The **Dimension Properties** section lets you:

1) Edit the dimension text in the large window
2) Add a prefix or postfix to the dimension text

![Dimension Properties](image1)

The **Text Styles** section lets you:

1) Set the text font
2) Set the text height and text width factor
3) Set the justification and line spacing for a text note
4) Set the text color

![Text Styles](image2)
Flip Arrows

Used to reverse the direction of the dimension line arrowheads

![Change from this](image1)  ![to this](image2)

Also can be used to change the format of diameter dimensions

![from this](image3)  ![to this](image4)

Arrow Style

Use to set the type of arrowhead used for a dimension or a note. Examples of types are; Arrowhead, Slash, Filled dot, etc.

Erase Witness Line

Use to turn off the display of a witness line (also known as an extension line). This is used in cases where another entity such as an object line or a centerline is to be used as the extension line.

Show Witness Line

Used to restore the display of a witness line that has been “erased”.

Erase

Use to turn off the display of a draft entity, such as dimensions, hatching, centerlines, etc.
Displaying Centerlines in a Drawing

**View > Show and Erase**

Pick the axes button and Show in the dialogue.
Select either View or Feature under Show By (Usually it is easier to do this By View).
Choose desired view or feature
Axes will display in Blue
Follow the same procedure as in displaying dimensions to select which axes to retain.

To hide the axes labels (A_1, A-2, etc.). Go to the Datum Display icons at the top of the screen and turn off the display for Datum Axes.

To change the length of a centerline, “pick” the endpoint and then drag.