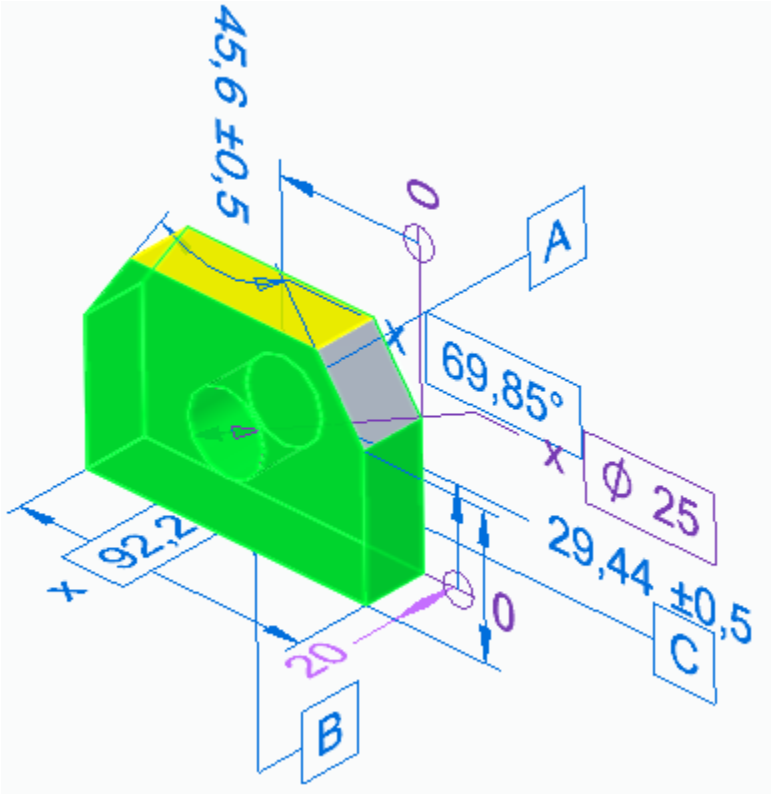
1. Check feature constraint status

A new command, **Dimension Checker**  , lets you check the dimensioning, constraining, and tolerancing status of a feature.

The features and dimensions are then highlighted according to the following constraining statuses:

- **Under-constrained**: These features are highlighted in yellow color in the work area.
- **Over-constrained**: These features are highlighted in red color the work area.
- **Missing tolerances**: These dimensions are displayed in purple color.
- **Fully constrained**: These features are highlighted in green color in the work area.
- **Indeterminate constraints**: These features are highlighted in gray color in the work area.



For more information, see Check feature constraint status.

1. Check feature constraint status

You can check the status of the model dimensioning, constraining, tolerancing in part and sheet metal environments.

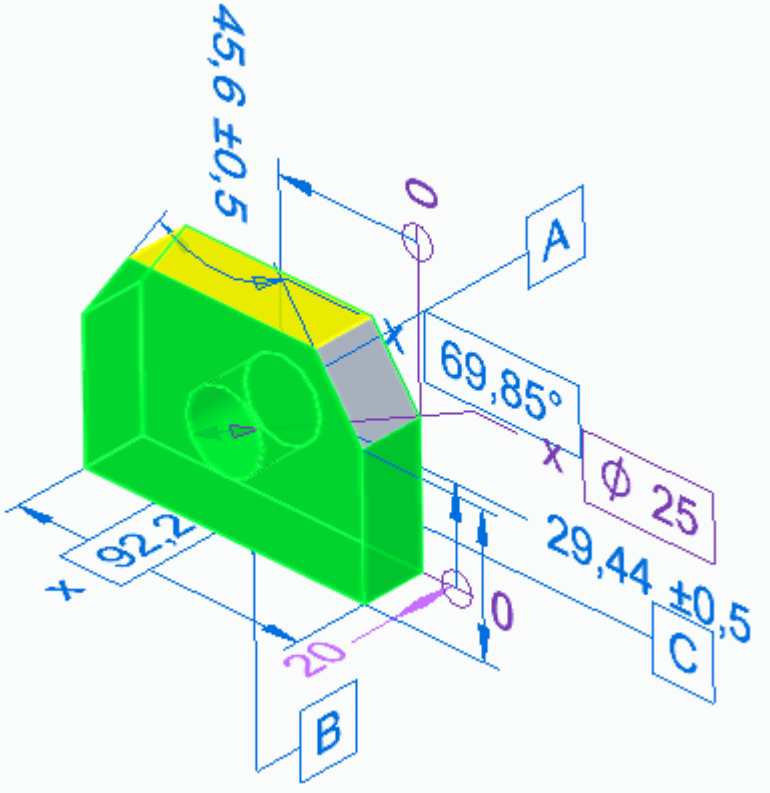
Procedure

1. Choose the **PMI** tab→**Assistants** group→**Dimension Checker** command.

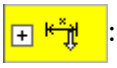
2. Select the primary, secondary, and tertiary datum features and click **Finish**.

   All the dimensions are identified for constraint analysis with respect to the datum faces for location dimensions, and individually for size dimensions.

   Faces and features are highlighted according to their constrain statuses: fully constrained, under-constrained, or over-constrained.



3. In the **Dimension Checker** panel, expand any of the following:

- **Under-constrained**  : To see the under-constrained features. These features are highlighted in yellow color in the work area.
- **Over-constrained**  : To see the over-constrained features. These features are highlighted in red color the work area.
- **Missing tolerances**  : To display the feature dimensions without tolerances. These dimensions are displayed in purple color.
- **Fully constrained**  : To see the fully constrained features. These features are highlighted in green color in the work area.
- **Indeterminate constraints**  : To see the indeterminate features. These features are highlighted in gray color in the work area.

When you click the listed features in the **Dimension Checker** panel, they are highlighted in the work area.

You can add the dimension on the highlighted feature, if required, and click **Refresh** in the **Dimension Checker** panel to check the dimension constraint status.