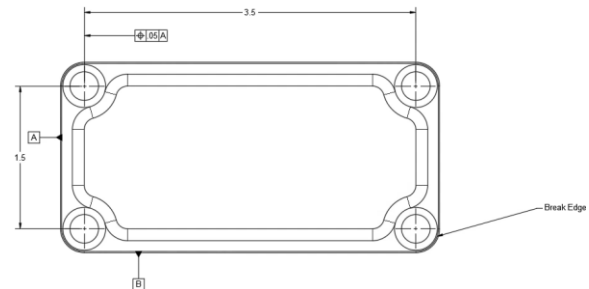


## Lesson: How to Add Symbols and Notes

In this lesson, you'll continue detailing a drawing by adding notes and GD&T symbols.

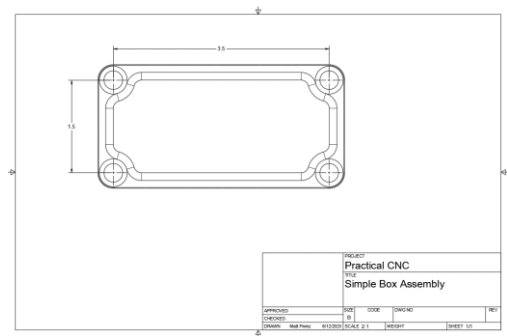
### Learning Objectives

- Demonstrate how to add annotations.
- Use Control Frame to add a GD&T note.

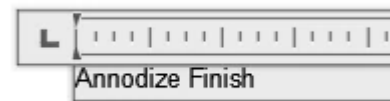


The completed exercise

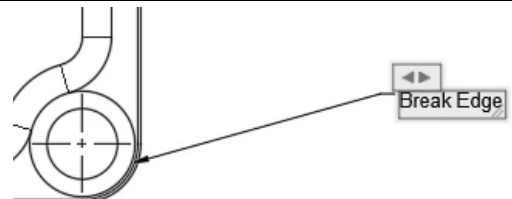
1. Continue with the *Simple Box Assembly Drawing* file from the previous module.



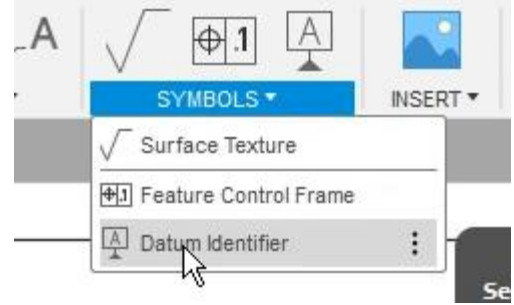
2. Notes can be added to drawings: click Text> Text. Click and drag a box on the sheet into which you can place text. Type a general note for the drawing, then click the dialog's Close.



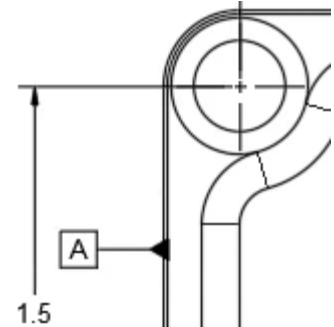
3. Notes added to the drawing can also have leaders to attach the note to specific geometry. Click Text> Leader. Click once to select geometry on the model you want the leader attached to. Click a second time to place the note's position, then type the note you want to add. Click the dialog's Close to place the note.



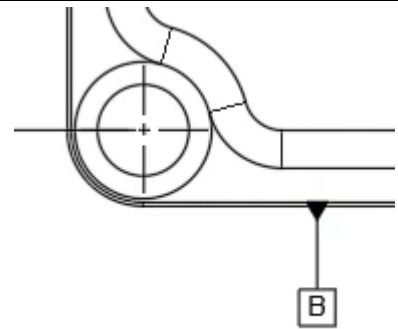
4. GD&T symbols can also be added to a detailed drawing. Click Symbols> Datum Identifier.



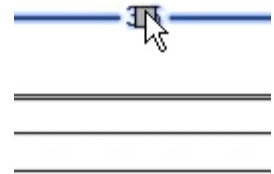
5. Select an edge on the model by clicking it. Click a second time to place the identifier's position. Make sure there is an A in the dialog's Identifier field, then click OK. Datum identifier A is added to the edge you selected.



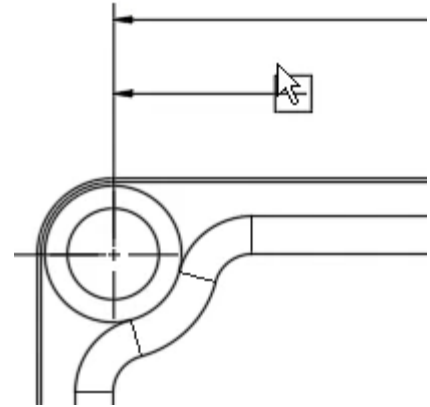
6. Click Symbols> Datum Identifier again to place a second identifier. Select a second edge you want to attach identifier B to. Type B into the dialog's Identifier field, then click OK.



7. Dimensions can be repositioned in a drawing view. To do this, select a dimension, click on the gray box in the middle of the dimension, then drag it to the new position.



8. To add a feature control frame to the drawing, click Symbols> Feature Control Frame. Select the geometry you want to attach the control frame's leader to, then click to choose the control frame's location.



9. In the dialog, choose the Position icon inside the Geometric Symbol section, then enter **0.05** into the First Tolerance field. Enter **A** into the First Datum field, then click OK.

▼ First Frame

Geometric Symbol

First Tolerance .05

Second Tolerance

First Datum A

Second Datum

The screenshot shows the 'First Frame' dialog box. In the 'Geometric Symbol' section, the 'Position' icon (a circle with a crosshair) is selected. The 'First Tolerance' field contains the value '.05'. The 'First Datum' field contains the letter 'A'. The 'Second Tolerance' and 'Second Datum' fields are empty.

10. The control frame is added to the location you selected in Step 8. Save the file and continue to the next module.

