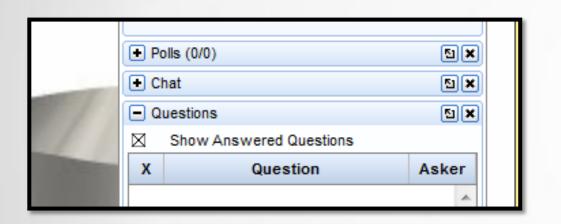


Webinar Q&A

Type questions in GoTo Webinar





We are recording and will post when possible

Student Resources

- http://students.autodesk.com
- http://autodesk.com/first
- http://www.youtube.com/user/AutodeskEd
- http://wikihelp.autodesk.com/enu
- http://engineeringexploration.autodesk.com
- FIRST@autodesk.com
- http://bxd.autodesk.com/



Free software for students - Personal PC and Resources

- Download software from Autodesk Education Community
 - http://students.autodesk.com
- 40+ titles available for FREE
- 3 year license
- 7.2 + million members
- Gallery showcase
- Learning materials
- Additional YouTube Videos
- http://www.youtube.com/user/AutodeskEd

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sed solutions. Learn how you can create, visualize, analyze, simulate, and rate your designs faster-eliminating long wait time in studios or computer labs Improve your course project outcomes by moving computation-intensive tasks to the cloud, enabling rapid visualization and simulation and optimized collaboration with access to intelligent, data-rich models. Learn how you can solve you

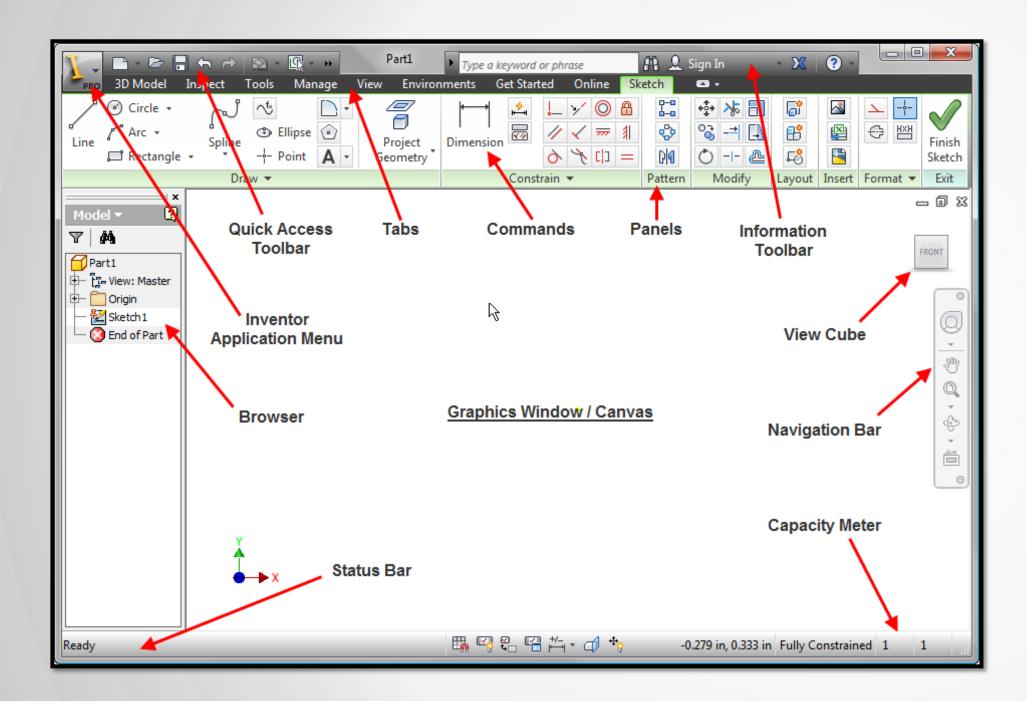


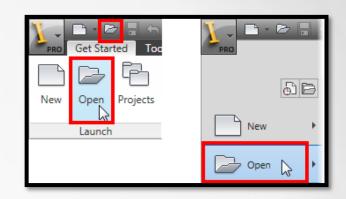


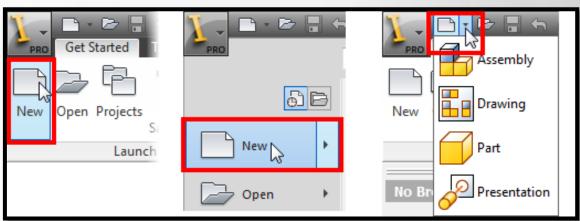




User Interface – Refresher









Drawings

- After this webinar, you will be able to:
 - Open a new drawing
 - Prepare the drawing
 - Create base and projected drawing views from a file
 - Create auxiliary, section, detail and broken views
 - Edit drawing properties
 - Create hole notes
 - Open a model from a drawing
 - Open a drawing from a model



Drawings – cont.

- After this webinar, you will be able to:
 - Add general dimensions, baseline, chain, and ordinate dimensions
 - Edit, move, and hide dimensions
 - Add automatic centerlines
 - Repair sick dimensions
 - Add annotations such as text and leaders
 - Retrieve and arrange model dimensions for use in drawing views
 - Save as PDF



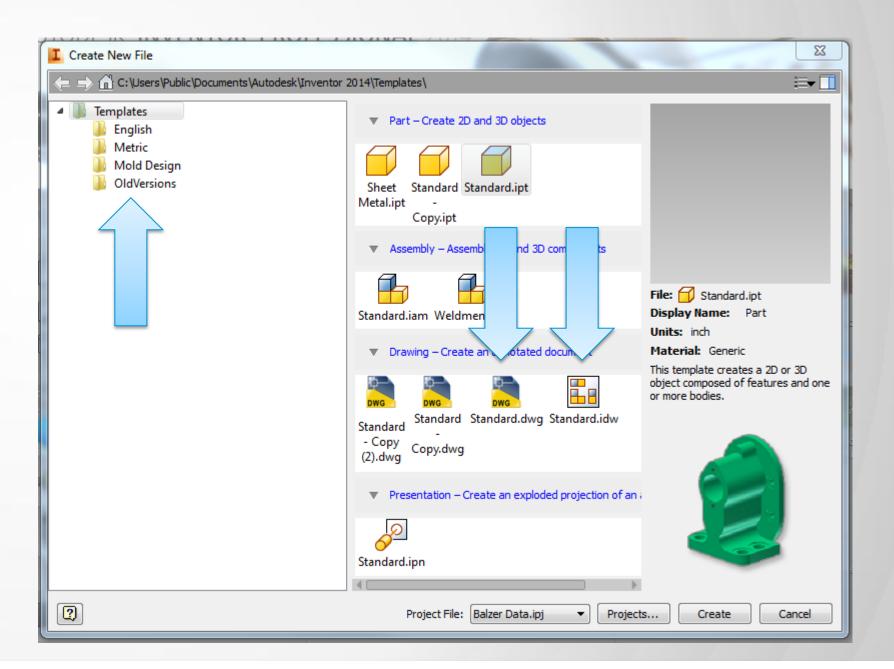
Open and Create New Files – Refresher

Open

Open an existing Autodesk
Inventor file

New

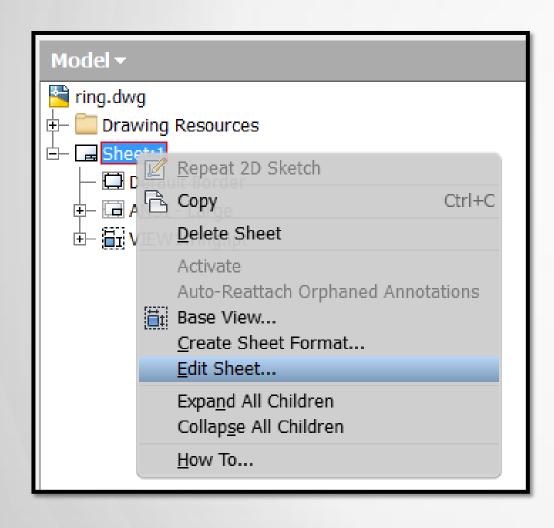
 Template for a new part, sheet metal part, assembly, presentation, or drawing

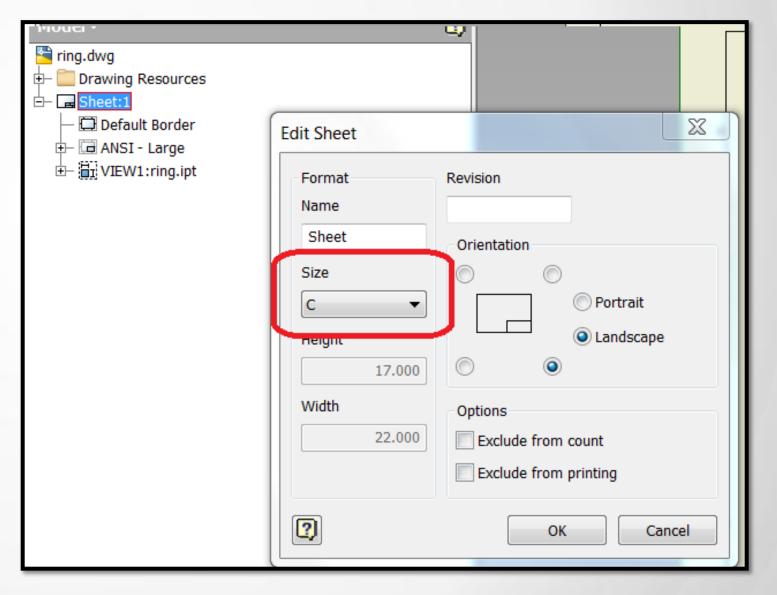




Modifying the Drawing

Modify drawing sheet size

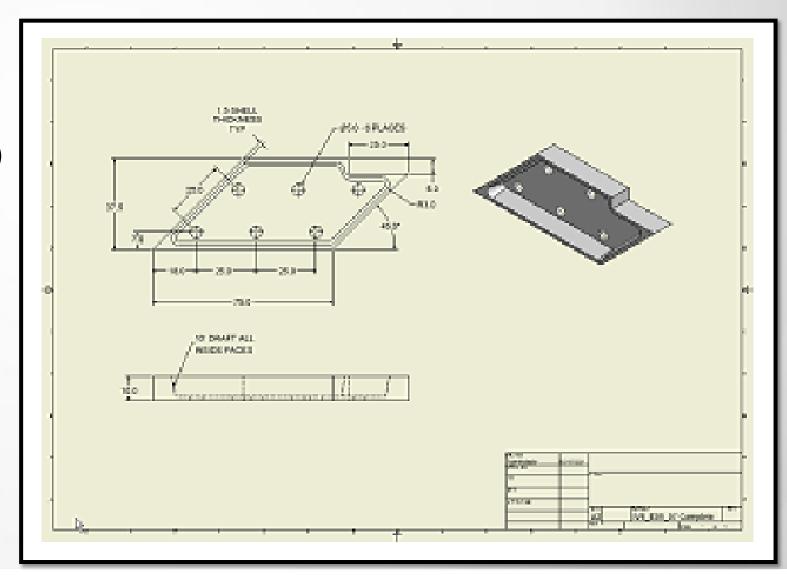




Creating Drawing Views
Created from an existing part, assembly, or presentation file

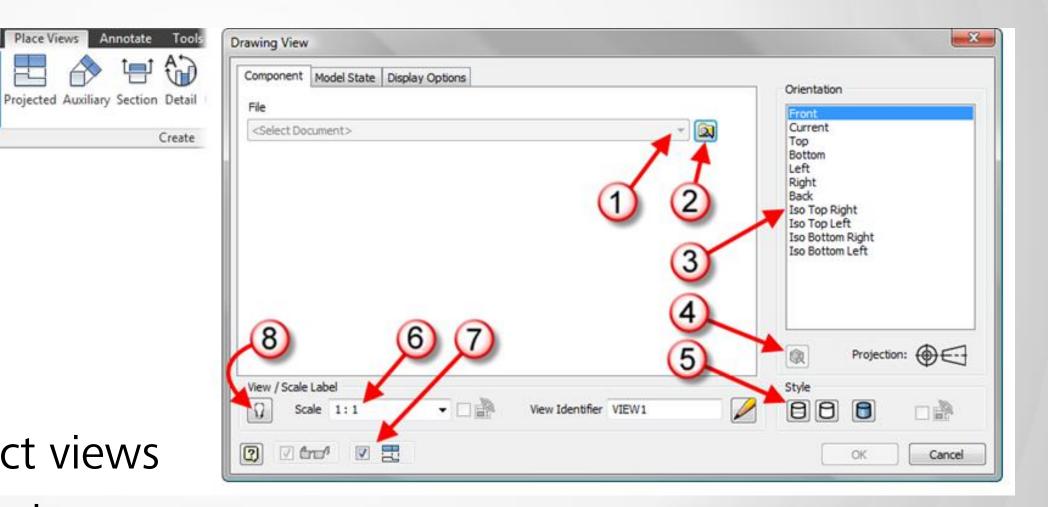
Types...

- Base View
- Projected View
- Orthographic (Ortho View)
- ISO View
- Auxiliary View
- Section View
- Detail View
- Break View



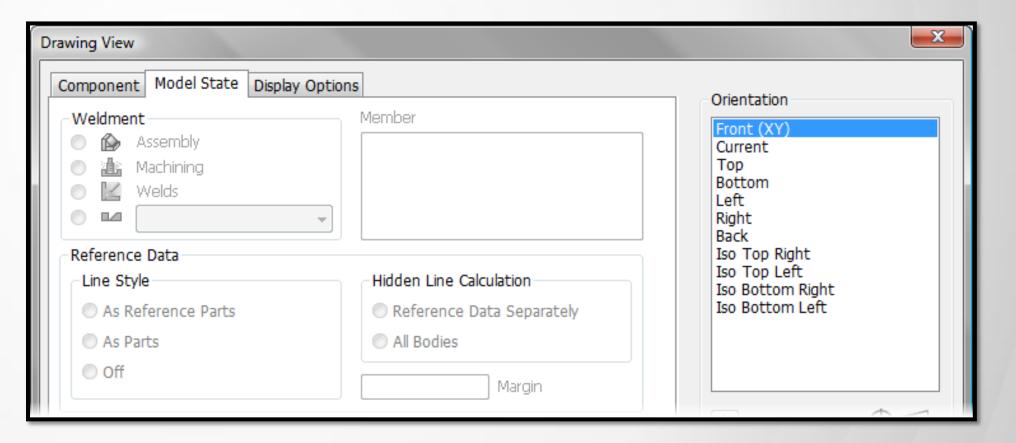


- Base View Component tab
 - 1. Model selection
 - 2. Browse
 - 3. Orientation
 - 4. Custom Orientation
 - 5. Visual Style
 - 6. View Scale
 - 7. Automatically project views
 - 8. Display Scale under view



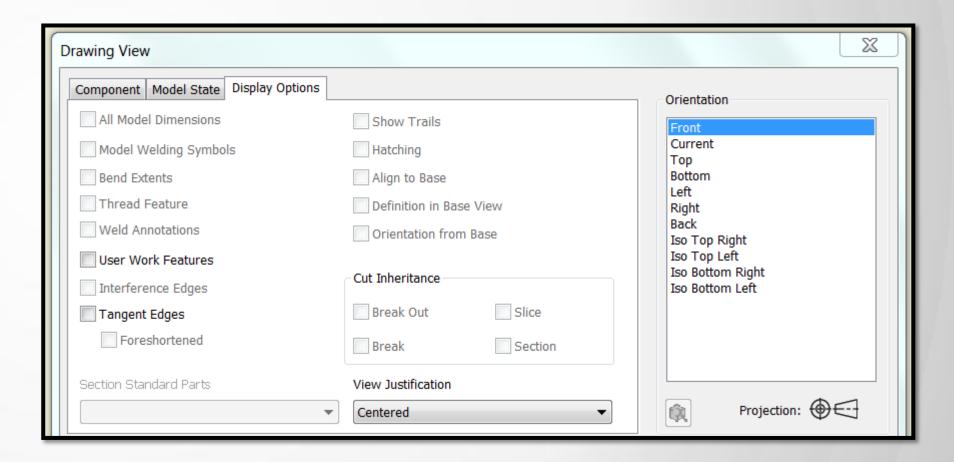


- Base View Model State tab
- Options change depending on file selected
 - Reference Data
 - Hidden line





- Base View Display Options tab
 - Interference Edges
 - Tangent Edges





Demo – Placing Views

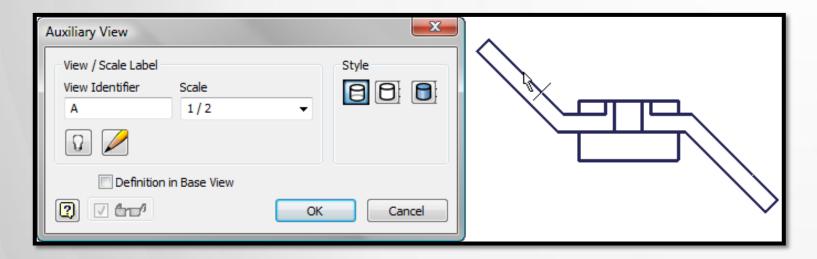


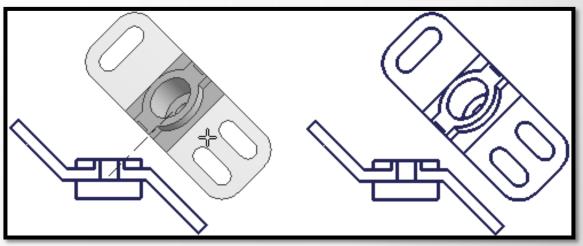
- Additional Drawing Views
 - Auxiliary
 - Section
 - Detail
- Additional Drawing View modifiers
 - Break
 - Break Alignment



 Auxiliary Views are projected views using an existing edge as the 90 degree projection

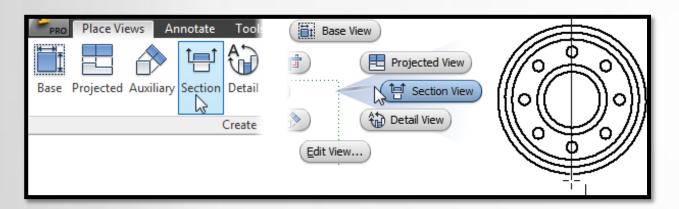


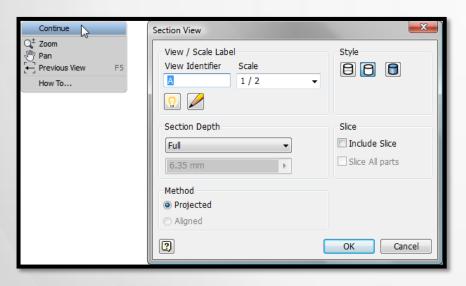


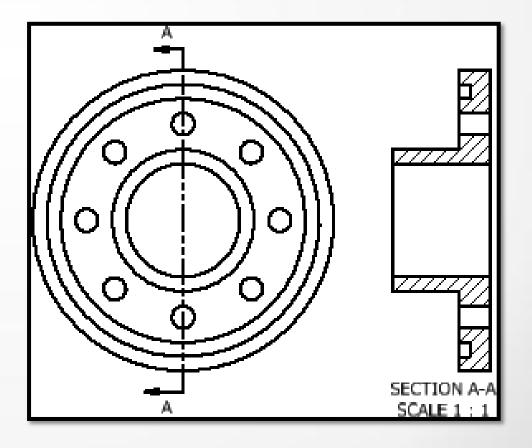




- Section Views display the inside of a model
 - Hatched lines indicate sectioned view

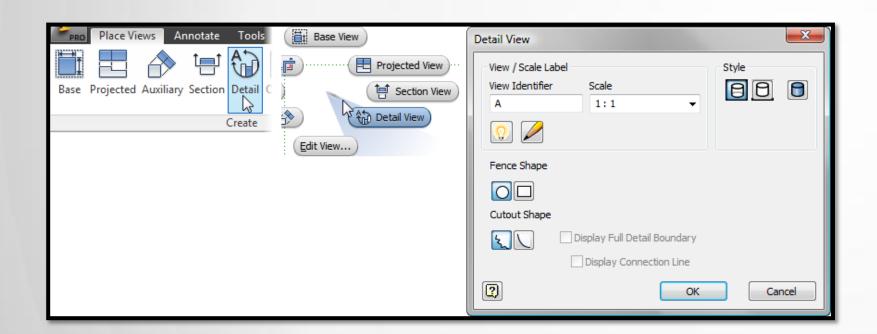


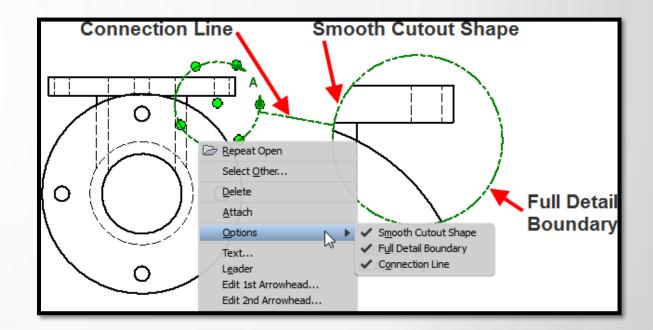






- Detail Views bring attention to small details
 - These views are usually enlarged from base view (magnifying glass)

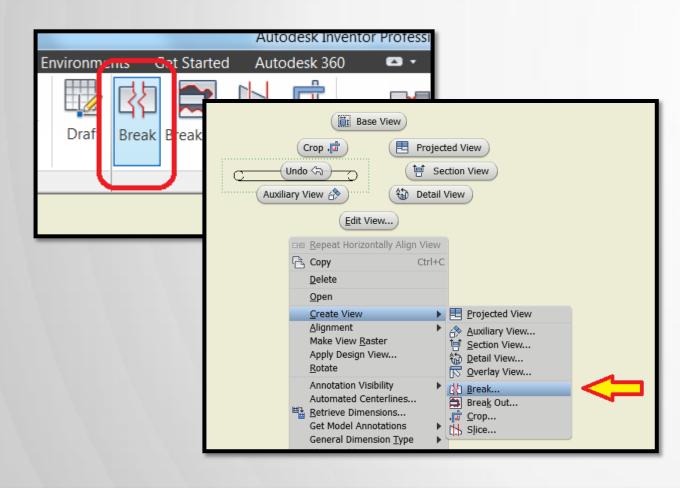


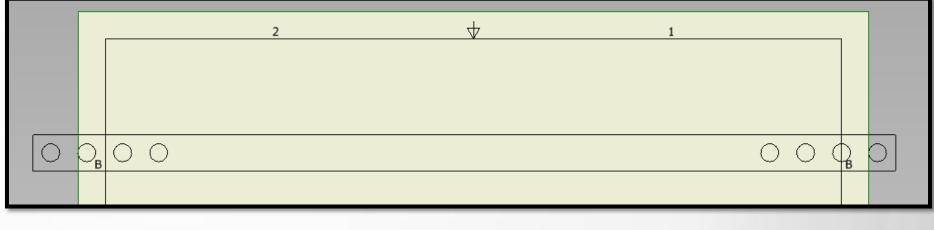


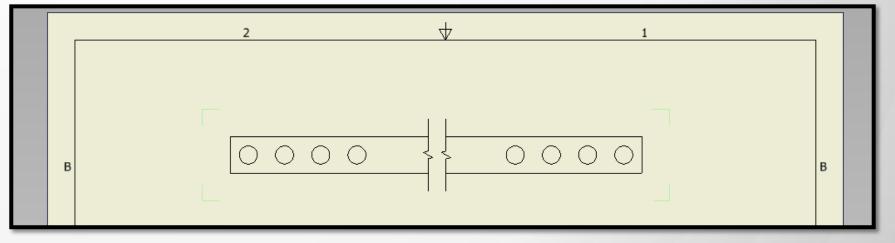
Break views will help with detailing long/narrow models

Alternative to Detail Views when more of the model needs to be

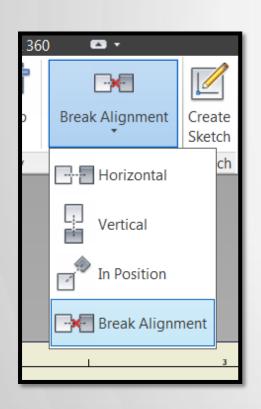
visible

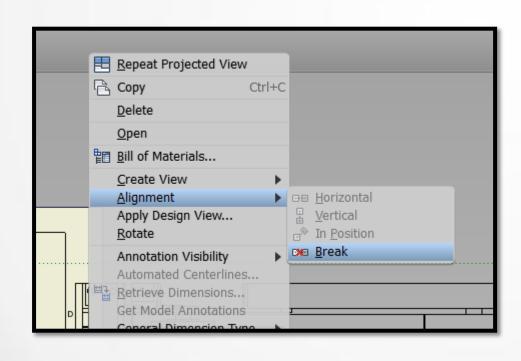


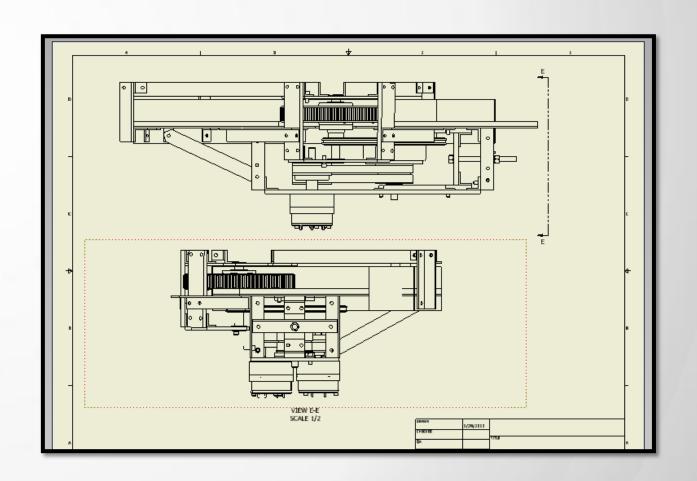




 Breaking view alignment will help with detailing long/narrow models where Break is not suitable





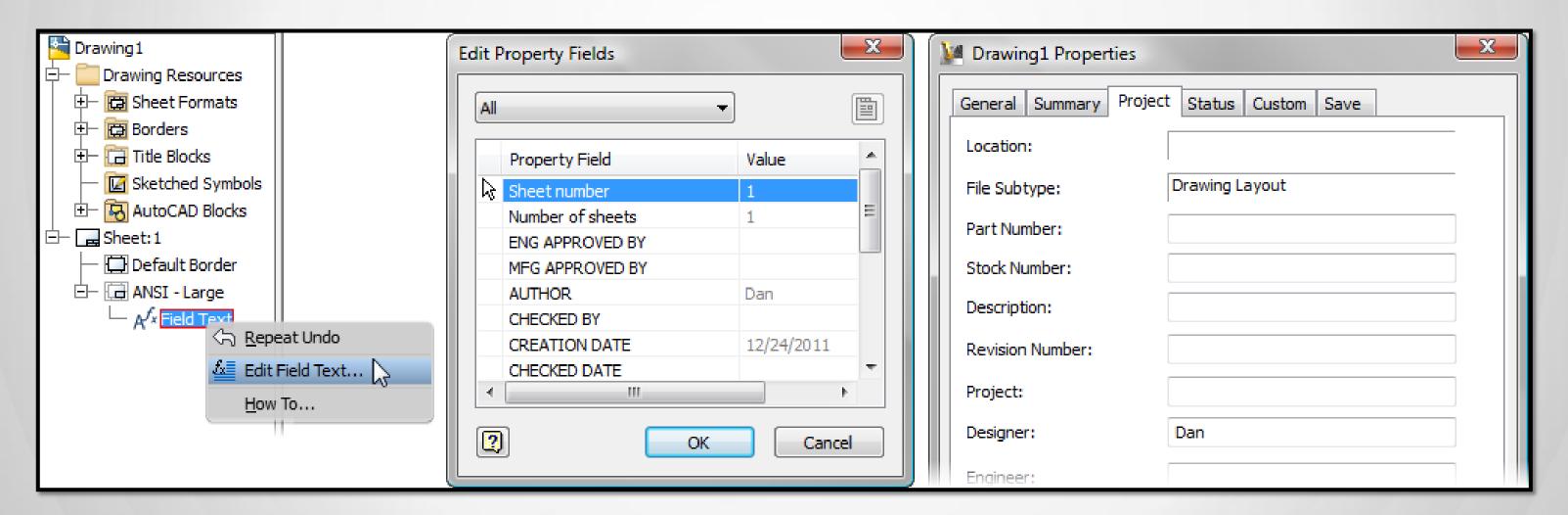




Demo – Additional Views & Editing

Property Fields

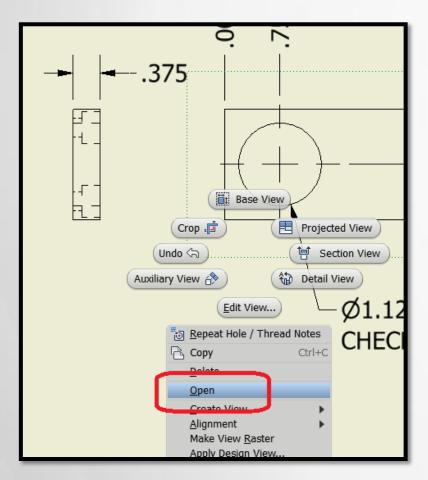
- Editing
- iProperties (RMB on Drawing node in Browser)



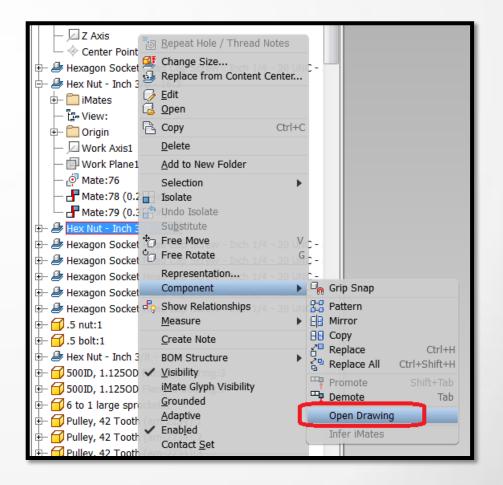
Open Model or Drawing

You can open files from anywhere!

Open the model from the drawing



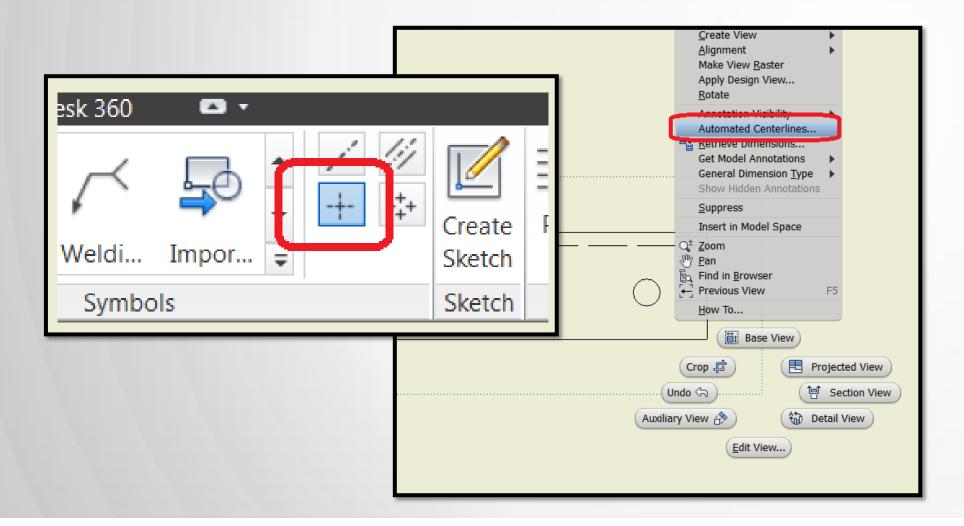
Open the drawing from the model

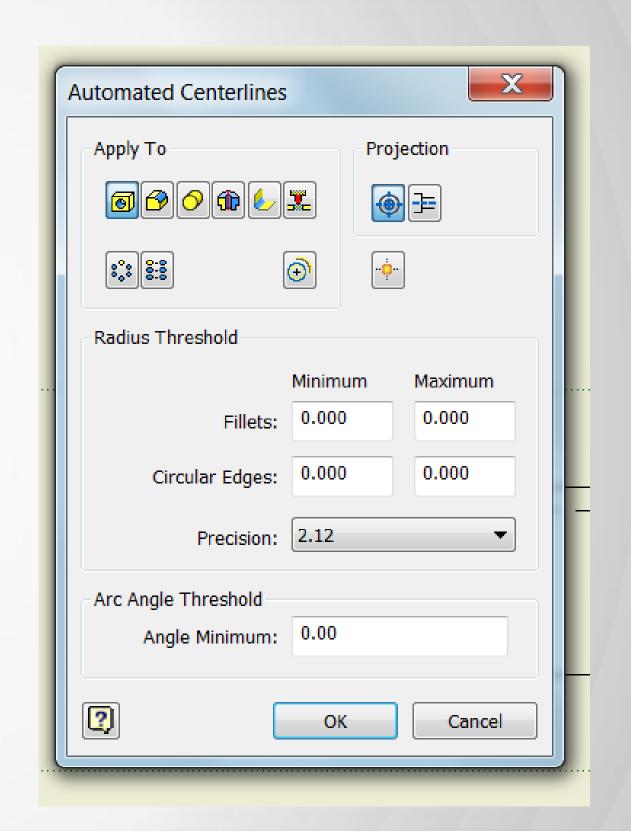




Automatic Centerlines

 Automatic Centerlines will speed up the detailing process



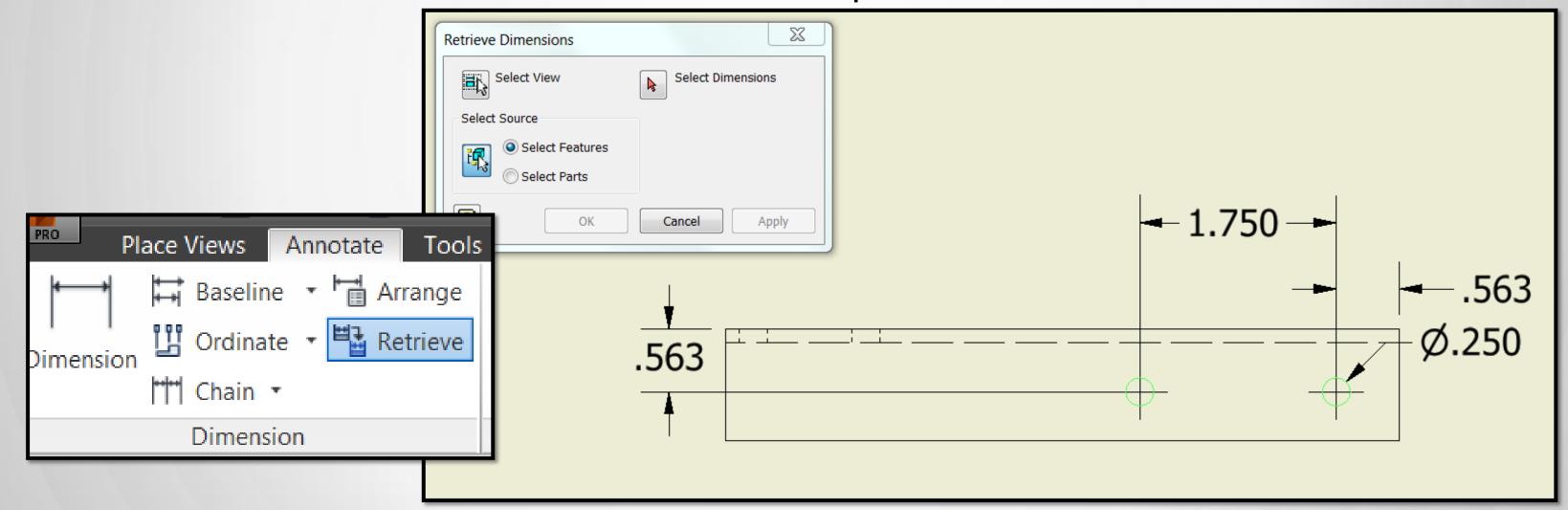




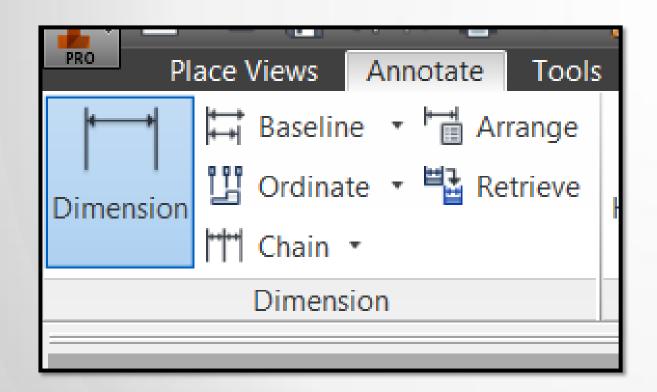
- Dimension types to know
 - Retrieve
 - Dimension
 - Baseline Set
 - Chain
- IMPORTANT!!!
 - Do not override drawing dimensions!!!

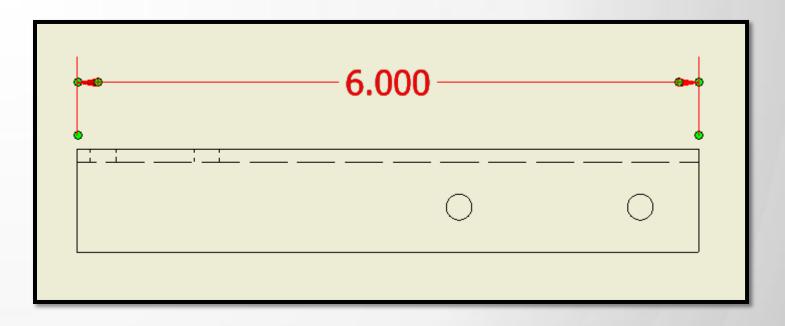


- Retrieve Dimensions
 - Grabs dimensions from features or parts

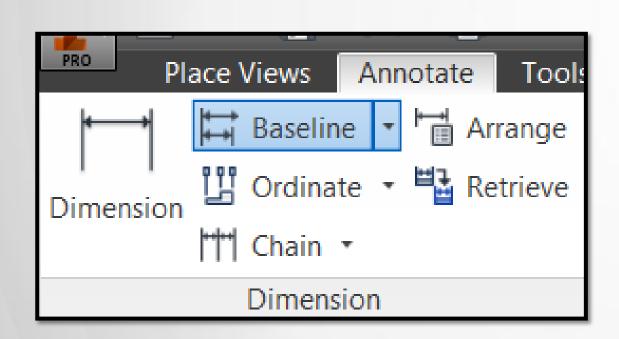


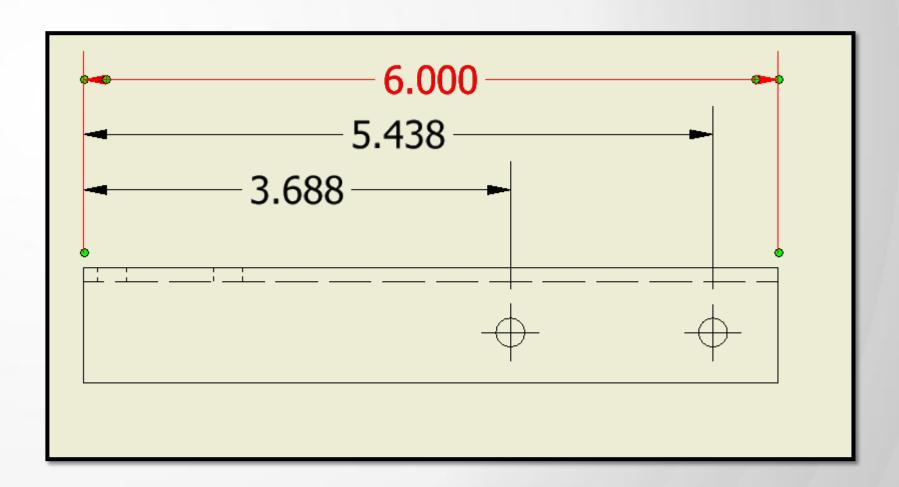
- Dimension
 - Select Edges, end points and mid-points
 - Quick key to activate dimension is "d"



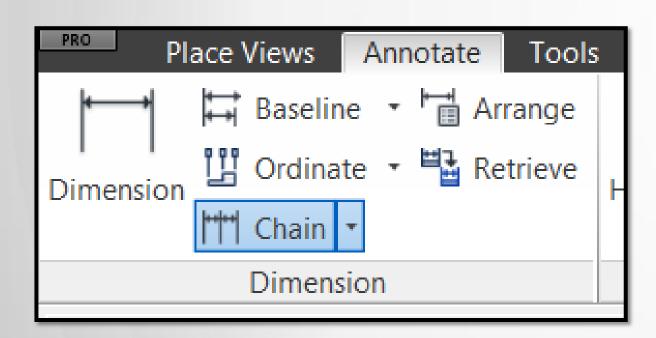


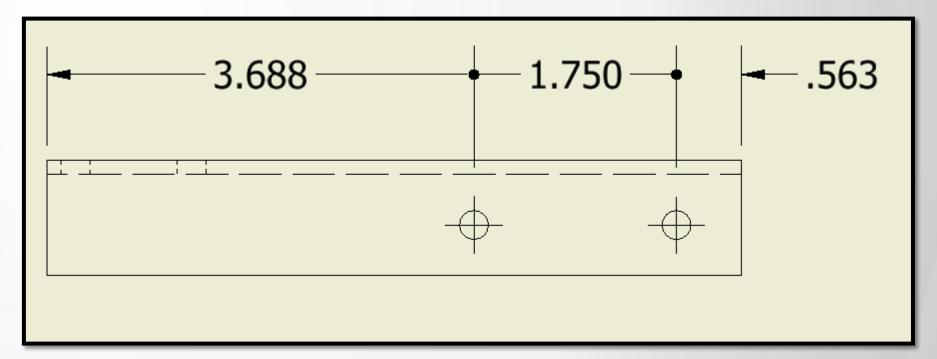
- Baseline
 - Select Edges, end points and mid-points
 - Select everything then place





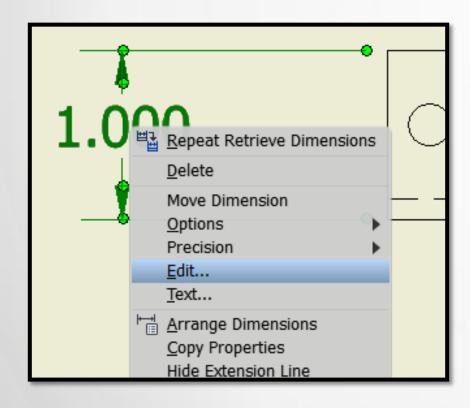
- Chain
 - Select Edges, end points and mid-points
 - Select everything then place

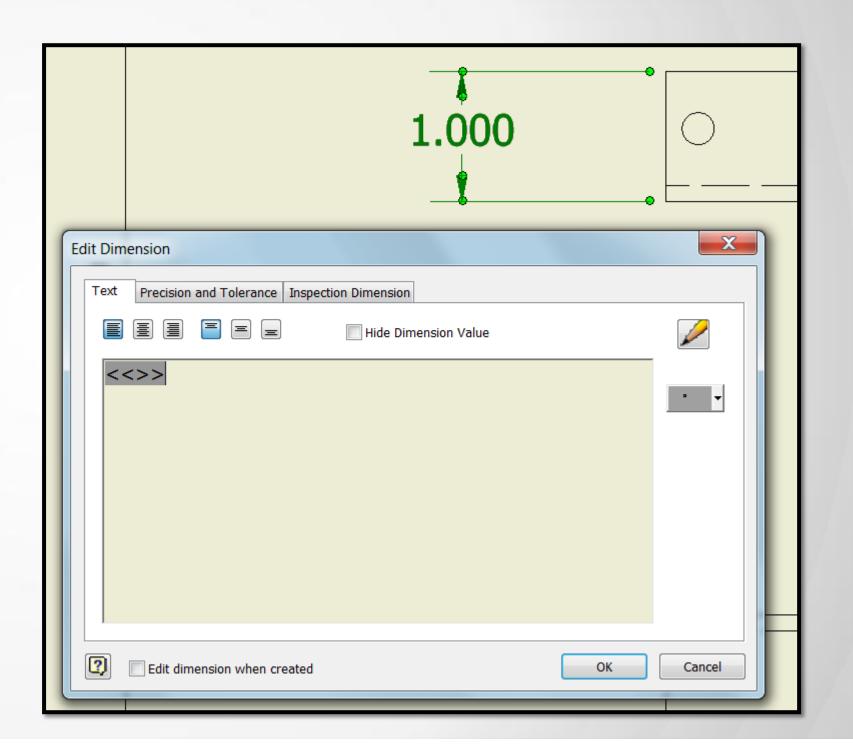




Editing Dimensions

- Editing dimensions
 - Double click the dimension
 - RMB select "edit"

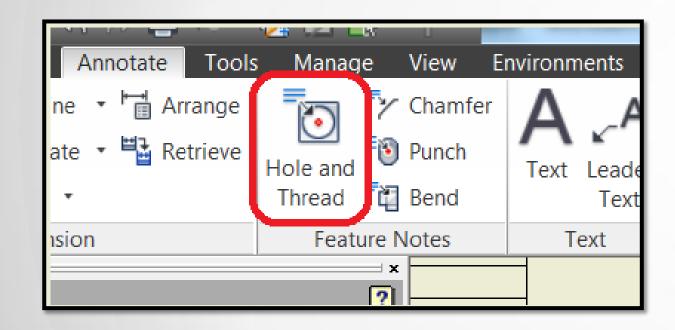


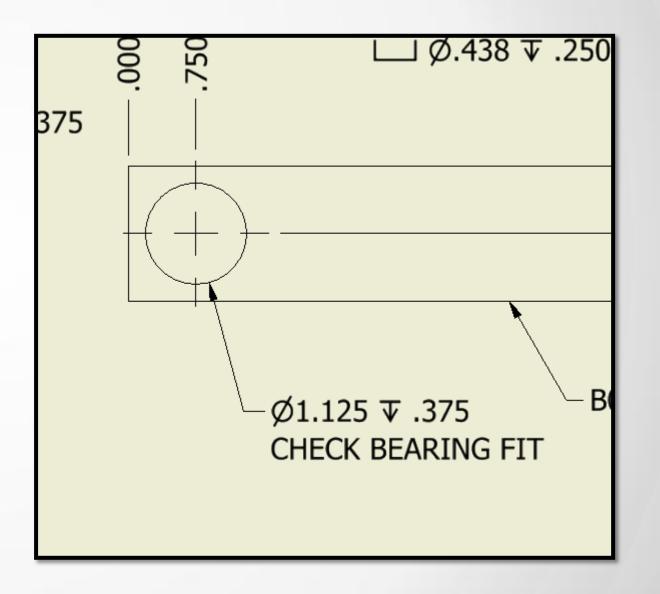




Hole Notes

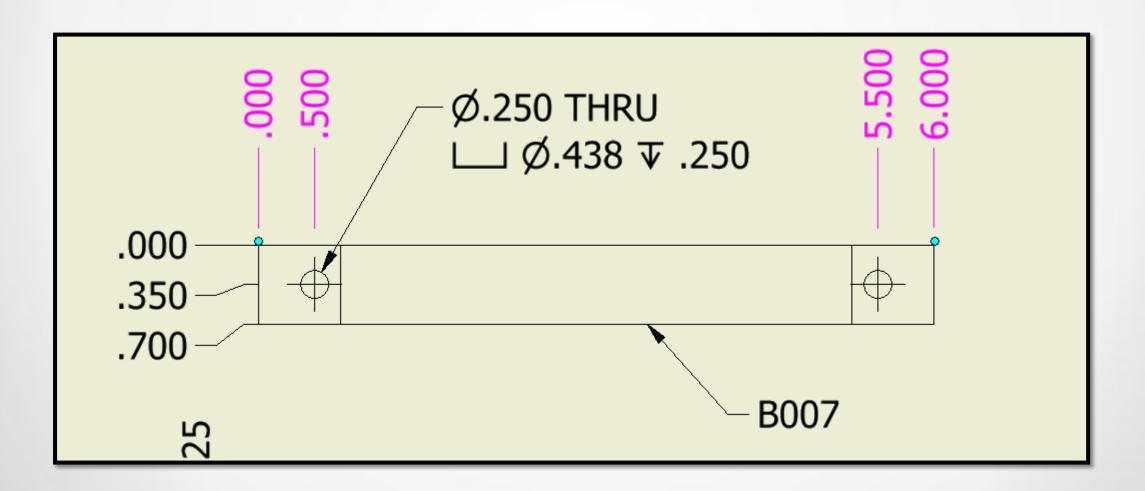
Creating Hole Notes





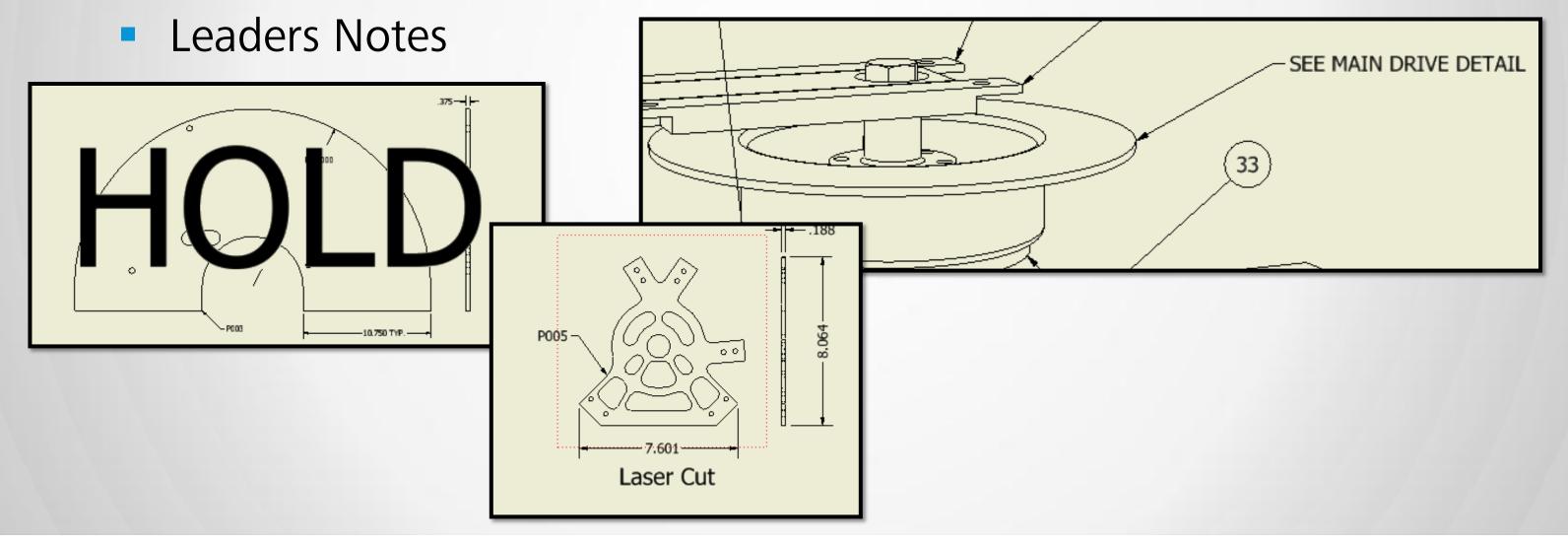
Repairing Sick Dimensions

 Sick dimensions will show up in magenta with a teal dot showing where the dimension needs to be resolved



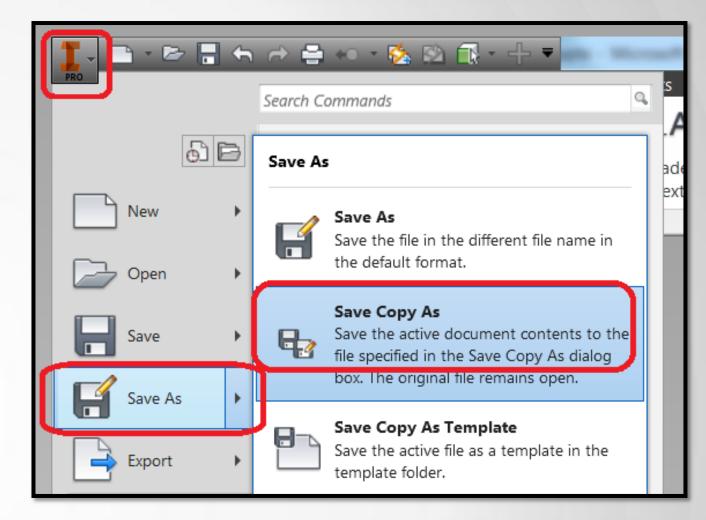
Annotaations

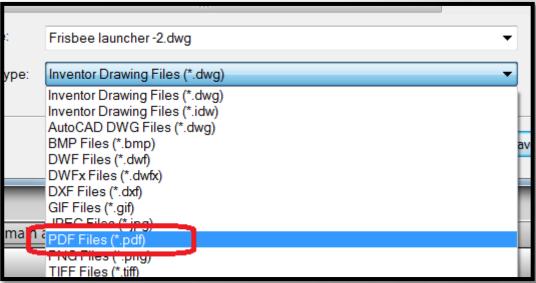
- Annotations help get information to the manufacturer
 - Text Notes



Save as PDF

- Saving as PDF benefits
 - Everyone can open it (people manufacturing your parts)
 - Use them to keep track of revision history







Dimensions and Annotations

 Demo – Dimensions & Annotations



Thank You!

• Questions?





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