Flexible Tube & Pipe - How to be a "Hoser"

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Class summary

- 1.) Tube and Pipe Template Management
- 2.) System and BOM Settings Particular to T & P
- 3.) T & P Styles -Copy and Modify Existing
- 4.) Define and Refine T & P Runs
- 5.) Fitting Placement with Respects to BOM



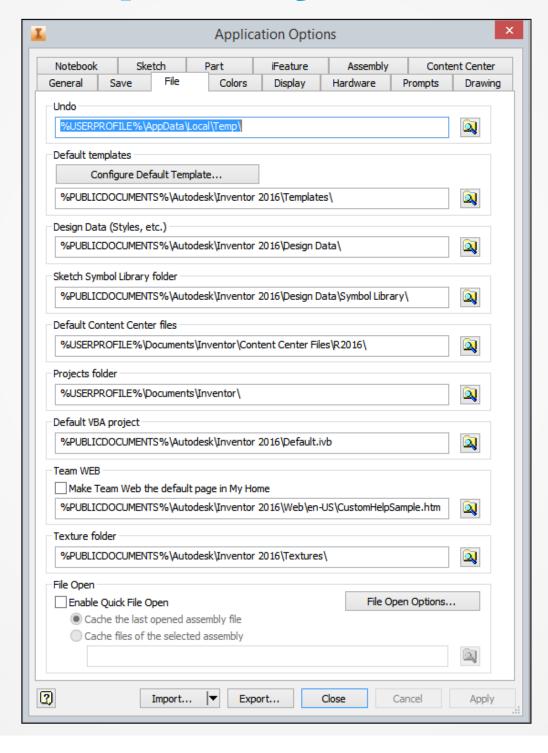
Key learning objectives

At the end of this class, you will be able to:

- Understand Inventor Settings to Maximize Performance
- Add Copy/Edit Tube & Pipe Styles
- Create and Modify Tube & Pipe Runs
- Tube and Pipe Runs with Respect to BOM

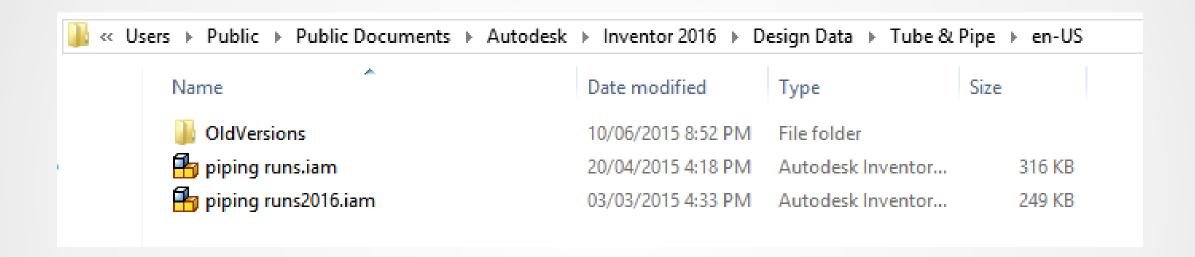


Tube & Pipe Styles Template



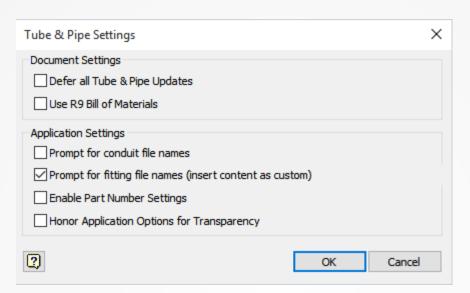


Tube & Pipe Template





System Settings



Use R9 BOM

In the current BOM, the raw material description for conduit parts is stored in the new stock number property. All BOM items with the same part number are automatically merged in parts lists. If the part number is blank, parts do not merge

In the R9 BOM, the raw material description for conduit parts was stored in the part number property. You had control over the merging of rows in the parts list. If two pipes had the same part number, you could choose not to merge them



Application Settings

Prompt for conduit file names

Determines whether conduit part files prompt to rename in progress of populating routes, saving files, and reusing tube and pipe components.

Prompt for fitting file names (insert content as custom)

Prompts the option to customize the name of your fittings within the Conduit File Names dialog box.

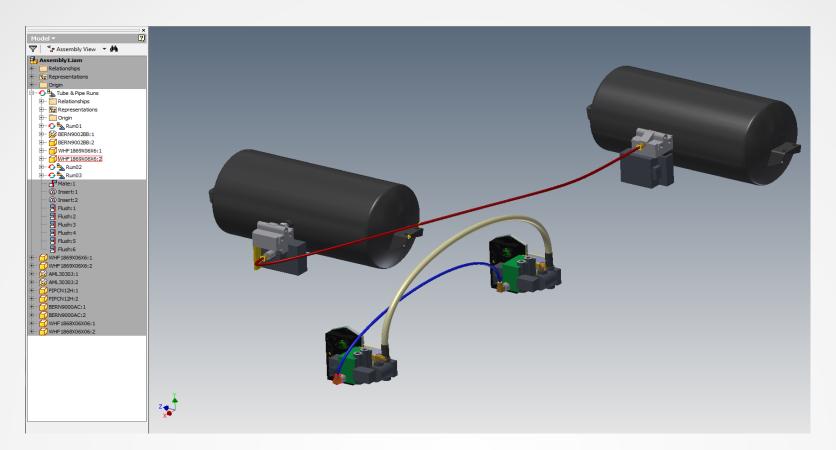
Enable Part Number Settings

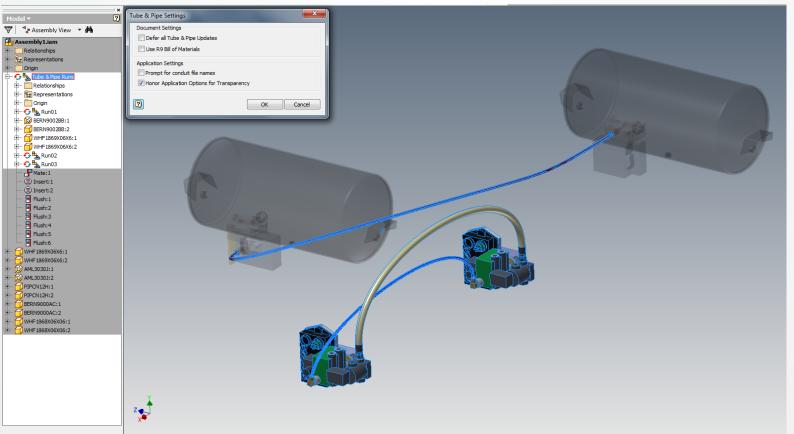
Allows you to populate a part number into the parts list within the drawing environment. The part number is updated within the part file and then populates to the parts list. This option also makes available the Part Number Settings options in the Conduit File Names dialog box. Upon accessing the Conduit File Names dialog box, you then have the option to inherit part numbers from Content Center, use a custom file name, or leave empty.

Honor Application Options for transparency

When selected, the option settings for transparency are honored as set in the Application Options dialog box. Turned off by default. When not selected, the entire assembly displays as opaque, and avoids the visual confusion that can occur when transparency is active.

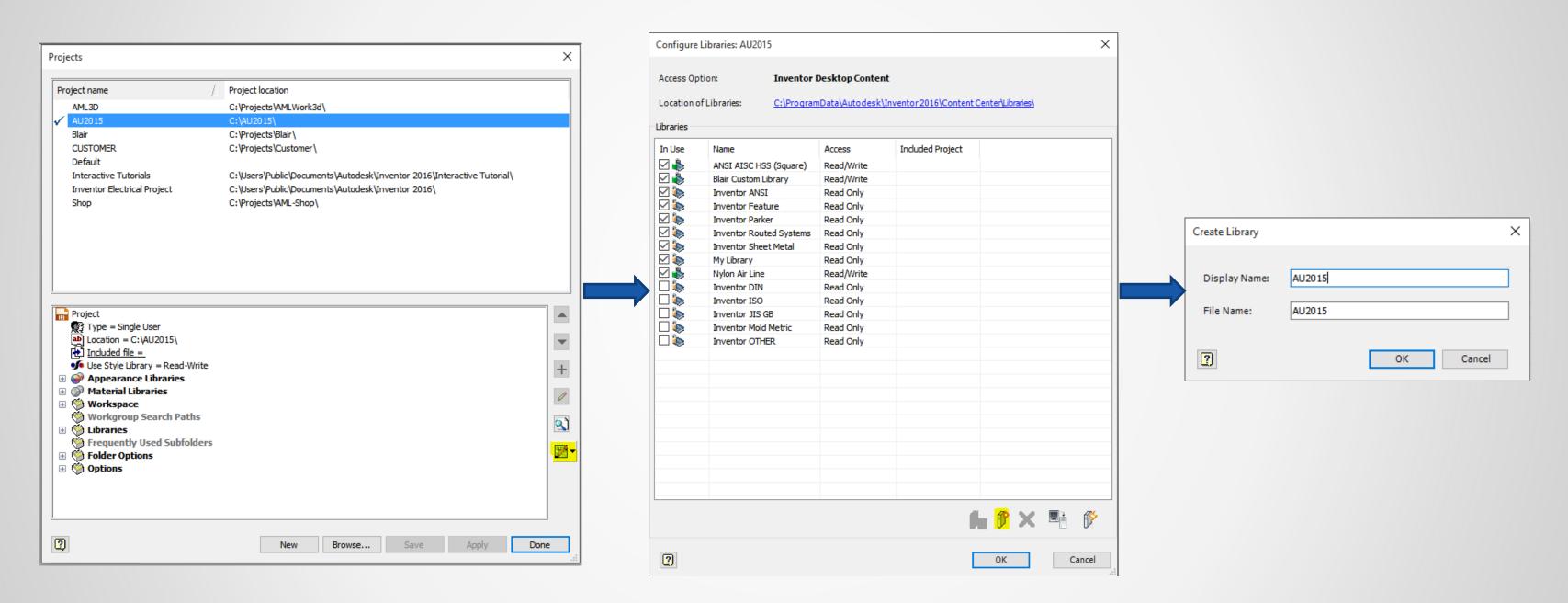






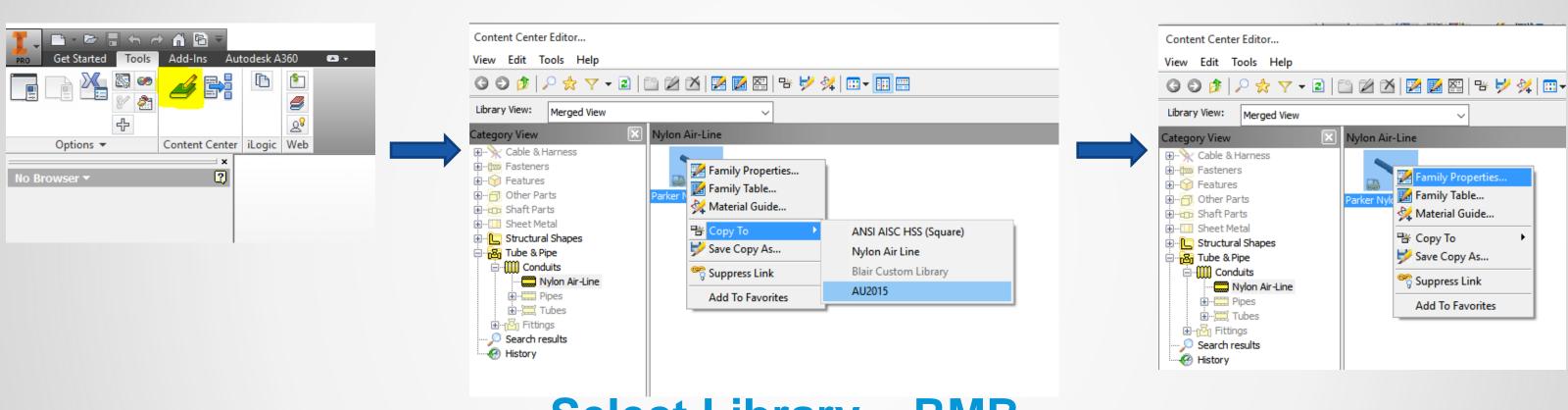


Configure Library(s)





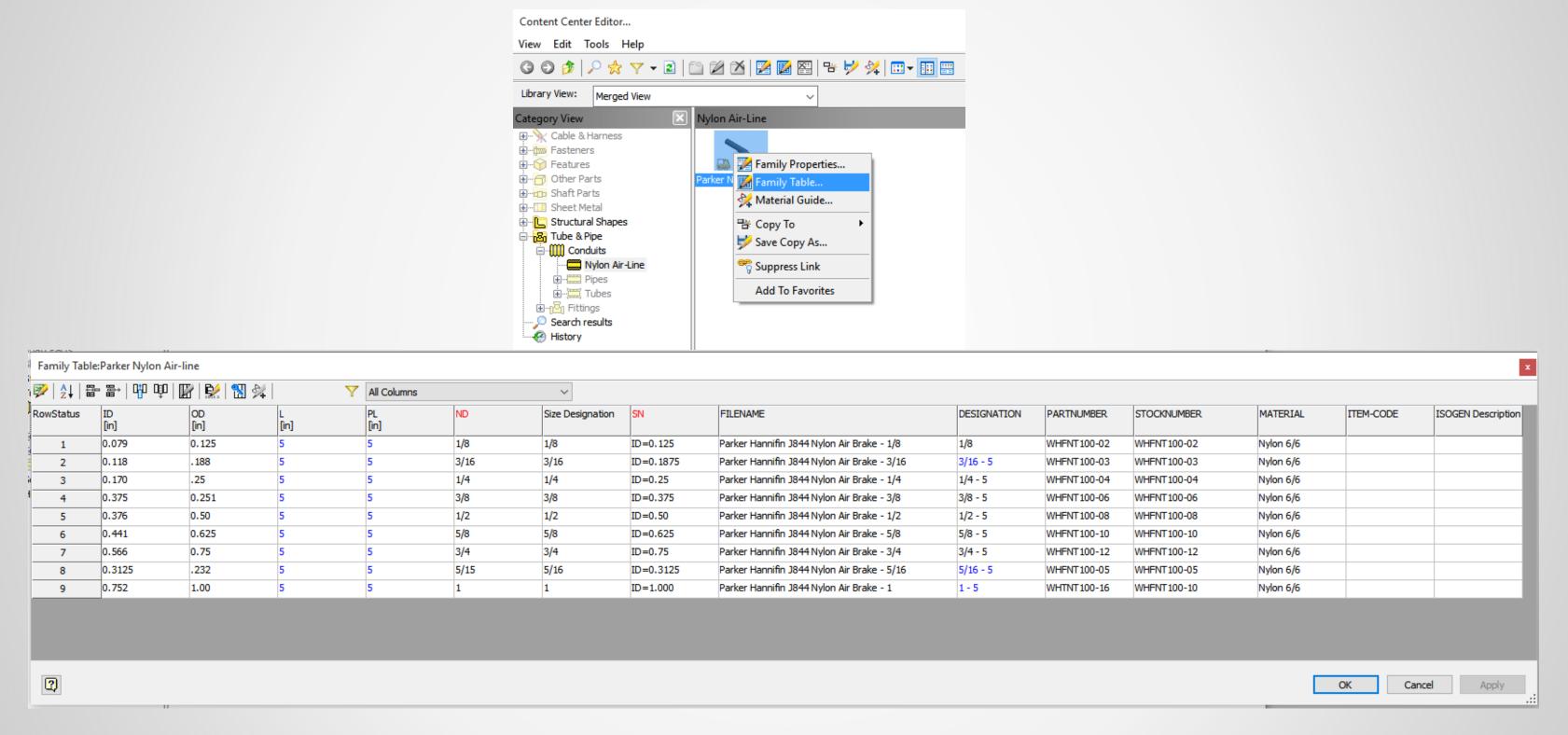
Content Center Editor



Select Library – RMB
Copy to Library
RMB – Family Properties



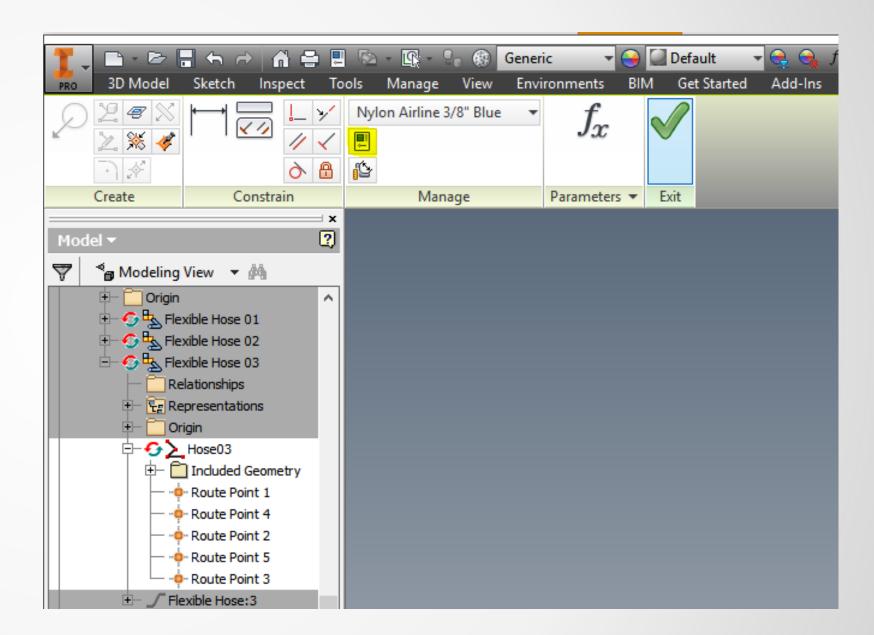
Let's Get Editing





Styles

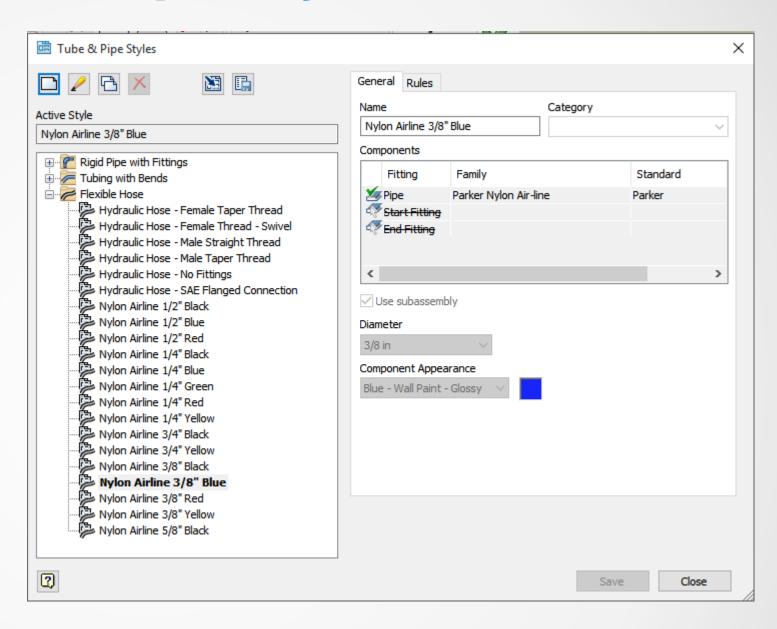
Open Tube & Pipe Run





Tube & Pipe Styles

- New
- Edit
- Copy
- Delete
- Import to XML
- Export to XML
- General
- Rules
- Diameter
- Component Appearance





Work Points/Nodes

- Include Geometry
- **4**
- Edge, Vertex, Work Geometry, 2D Sketch Geometry, Planar Face
- Insert Node
- **
- Grounded Work Point
 - Converts (adds) Existing Construction Point to Work Point/Node



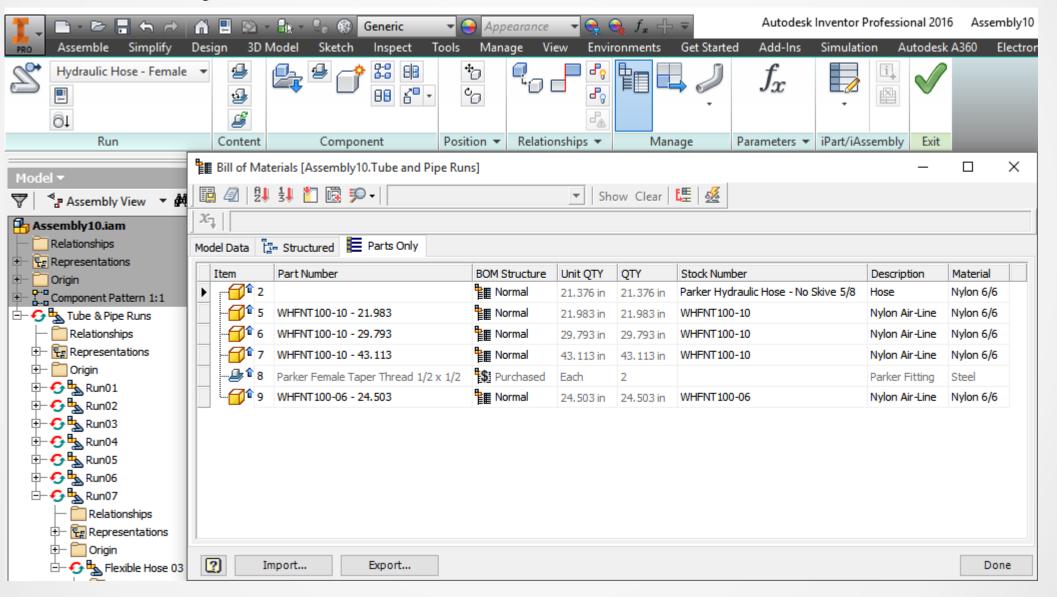
Fitting Placement – BOM Concerns

- Fitting as Part of Hose Assembly
 - Place Fitting within T & P
 - Hydraulic Hose Assemblies with Pressed on End Fittings
- Fitting not Part of Hose Assembly
 - Place Fitting with IAM prior to entering T & P
 - Air Control with Push-to-Connect or reusable Hydraulic Fittings
- Promote & Demote Command to Relocate Fittings



BOM's

Use "Parts Only" for Run Data





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- Seek answers to all of your technical product questions by visiting the Answer Bar.
- Open daily 8am-10am and Noon-6pm and located just outside of Hall C on Level 2.
- Staffed by Autodesk developers, QA, & support engineers ready to help you through your most challenging technical questions.





