

What's New

MDTools® *i*2026

Explore Enhancements, Bug Fixes,
and More



VEST Product What's New

Part Mode

- Remember Last Used Font
- Engravings from Schematic
- Angular Connection Enhancement
- Reset MDTools Default Settings
- Icon Improvements & 4k Support



Assembly

- Set Coil Rotation
- Expander Plug Enhancements
- Assemble Slip-In Cartridge Valve
- Construction Port Flange Enhancements



Drawing

- Duplicate Views on Separate Pages
- Support for Assembly Views



Library Manager

- Footprint Layout Preview
- Add and Delete Rows

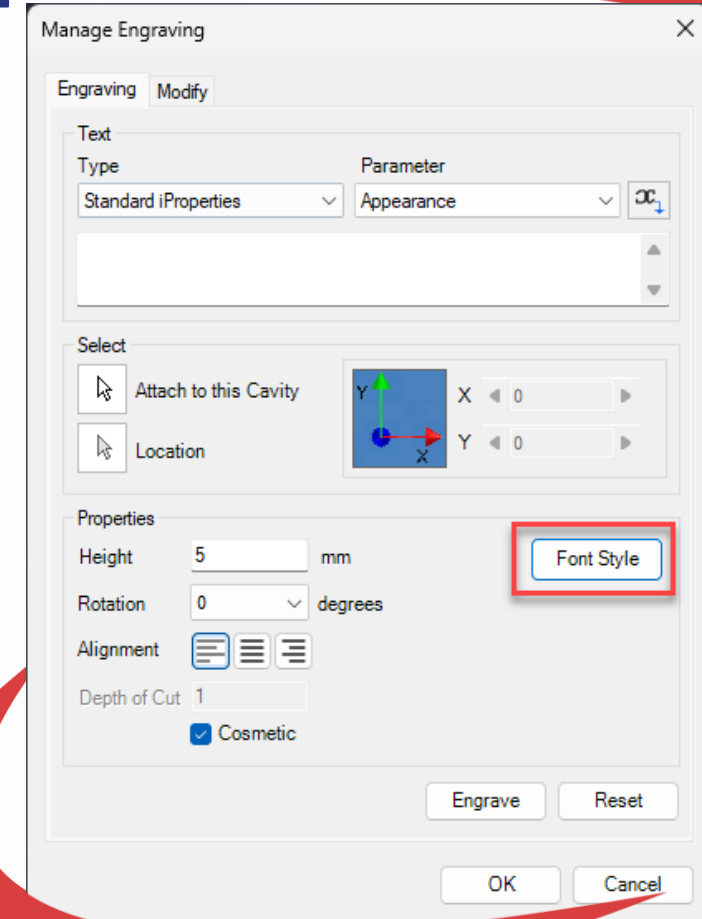


Part Mode



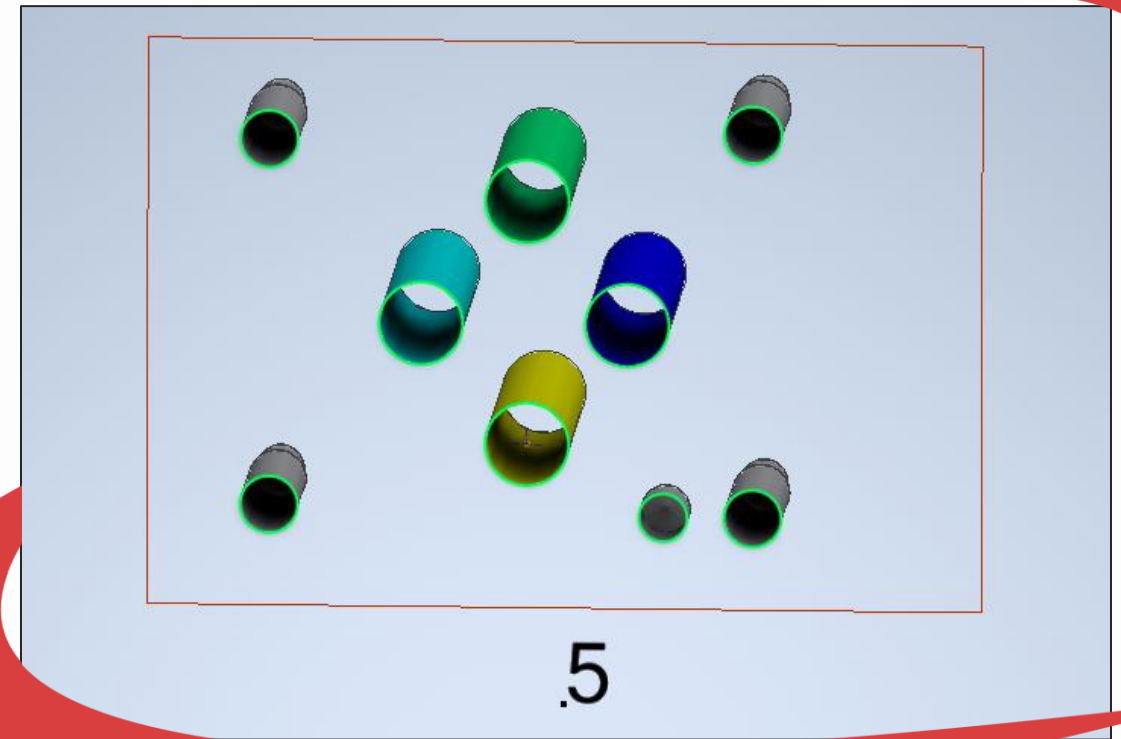
Remember Last Used Font

Last used font is remembered when adjusting engraving fonts. The selected font is now saved in the settings file for use in Export and Migrate Settings



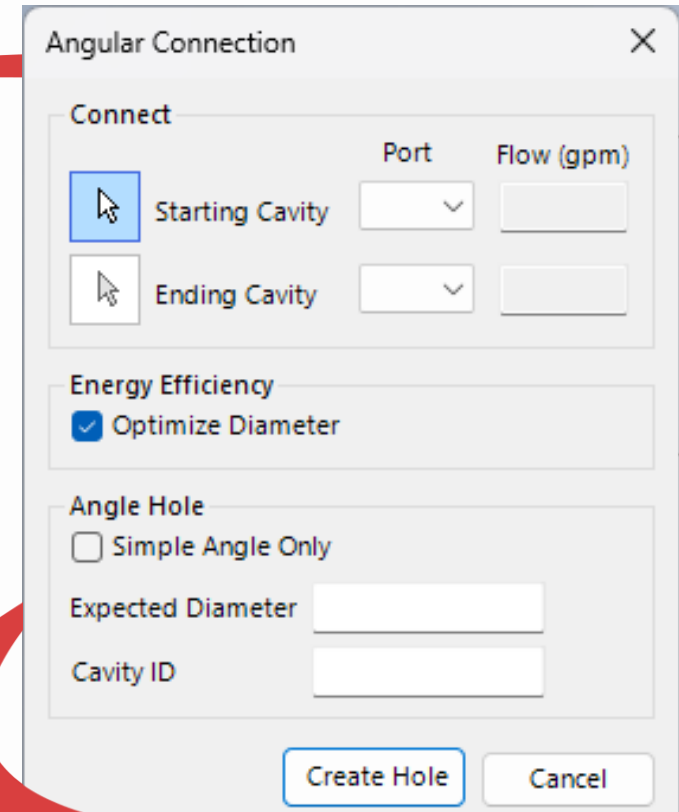
Engravings from Schematic

Engravings on cavities inserted from Schematic XML are now placed outside of the footprint outline by default.



Angular Connection Enhancement

Angular connections are now always drilled from the same manifold face as the selected "Starting Cavity"



The 'Angular Connection' dialog box contains the following sections:

- Connect**

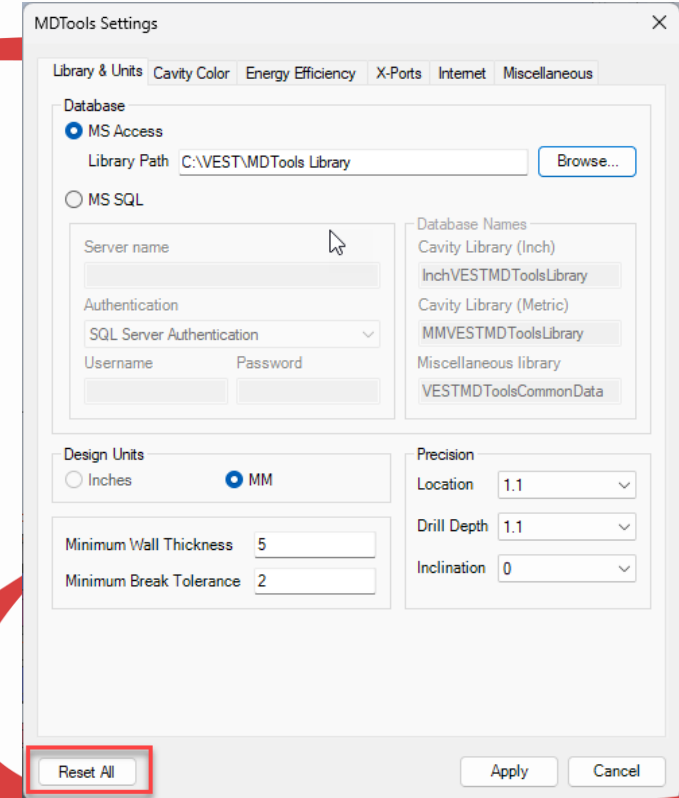
	Port	Flow (gpm)
<input type="button" value="Select"/> Starting Cavity	<input type="text" value="v"/>	<input type="text"/>
<input type="button" value="Select"/> Ending Cavity	<input type="text" value="v"/>	<input type="text"/>
- Energy Efficiency**
 - ☒ Optimize Diameter
- Angle Hole**
 - ☐ Simple Angle Only
- Expected Diameter
- Cavity ID

Buttons:



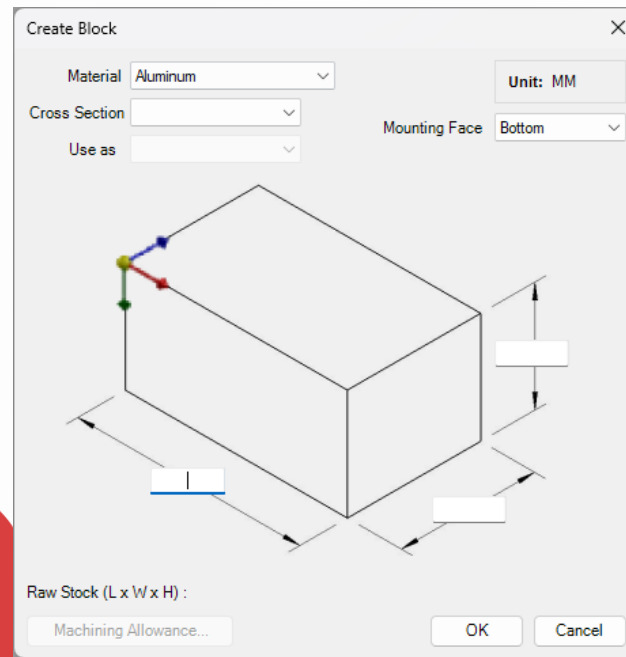
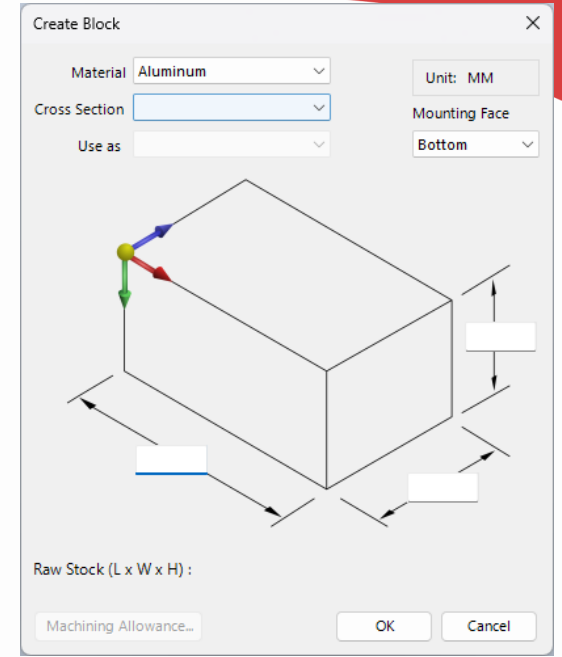
Reset MDTools Default Settings

Resets all settings
(except license) to the
installation default



Icon Improvements & 4k Support

Numerous alterations to the UI to better accommodate various display scales and optimize for increased resolution.

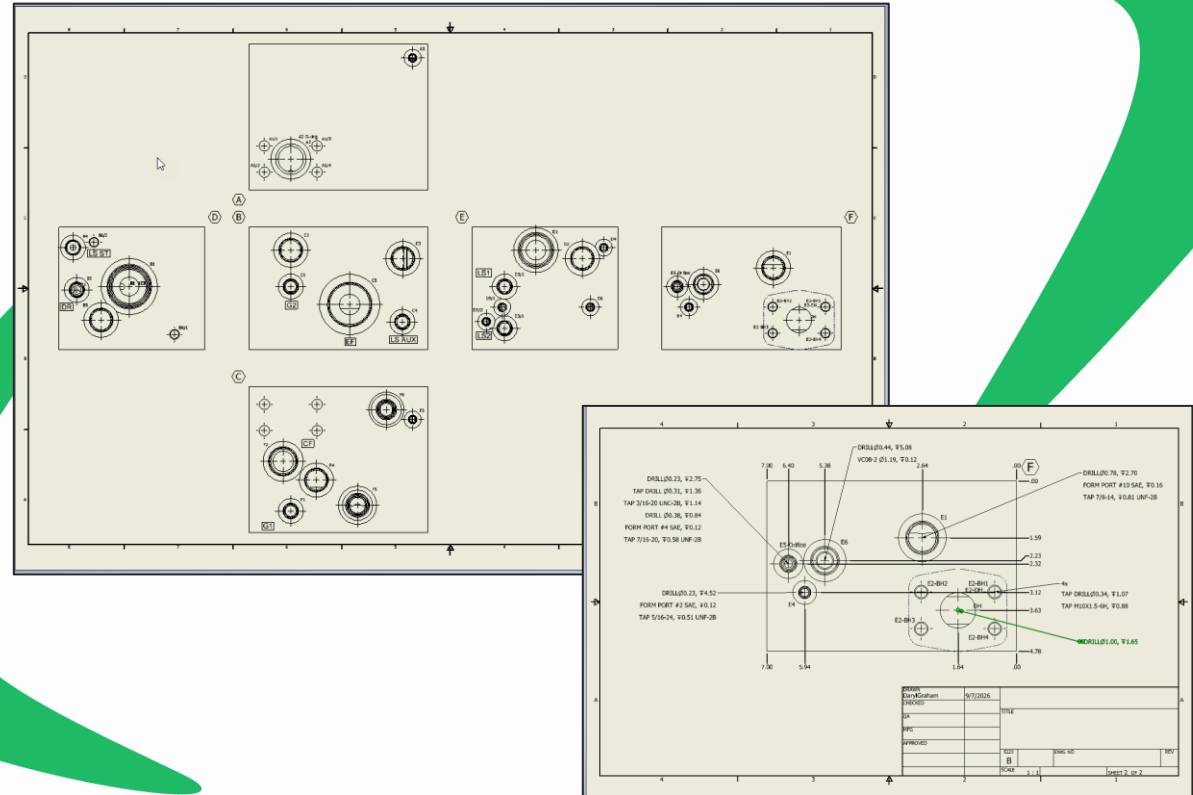


Drawing Mode



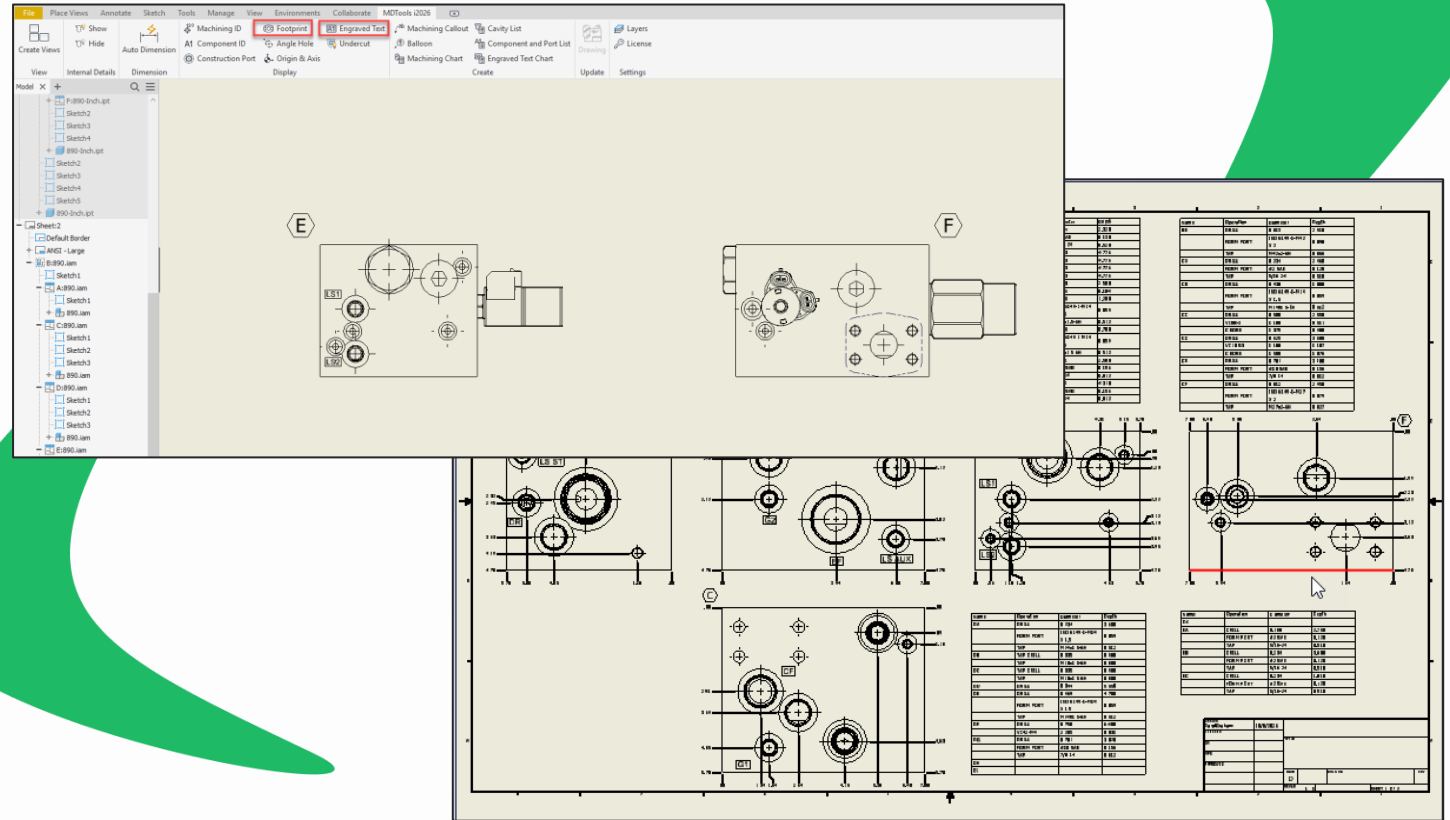
Duplicate Views on Separate Pages

Create duplicate views on separate sheets without renaming the views



Support for Assembly Views

Support for assembly Views so that drawing mode commands such as Engraved Text and Footprint work while Views are present in other sheets

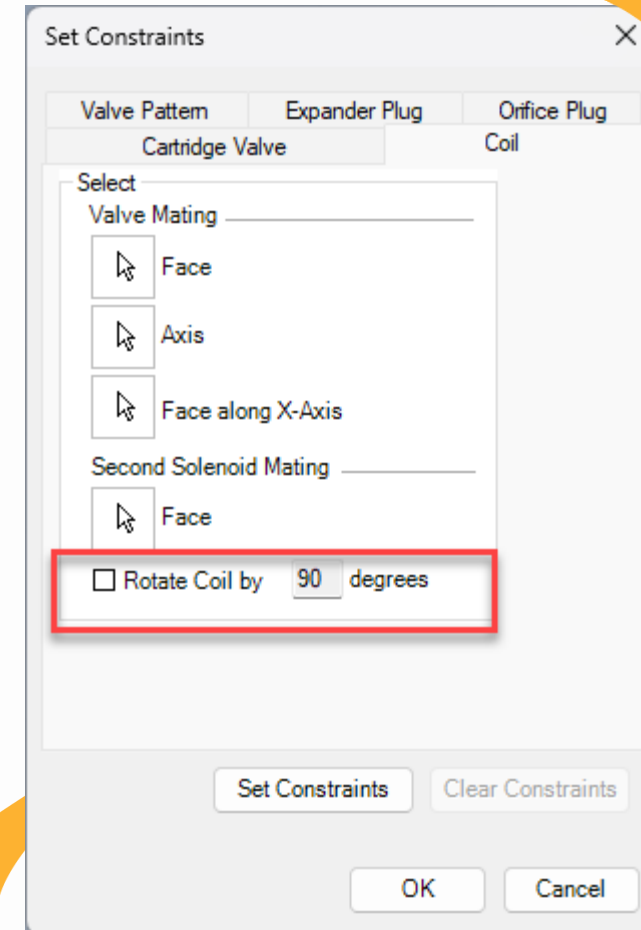


Assembly Mode



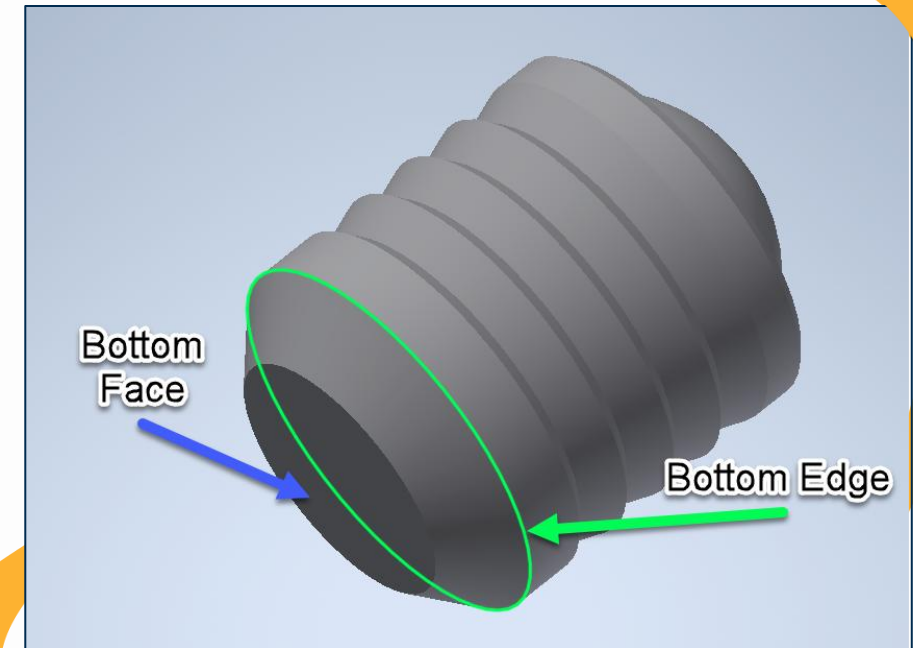
Set Coil Rotation

Set Assembly Constraints
now supports default
rotations for coils



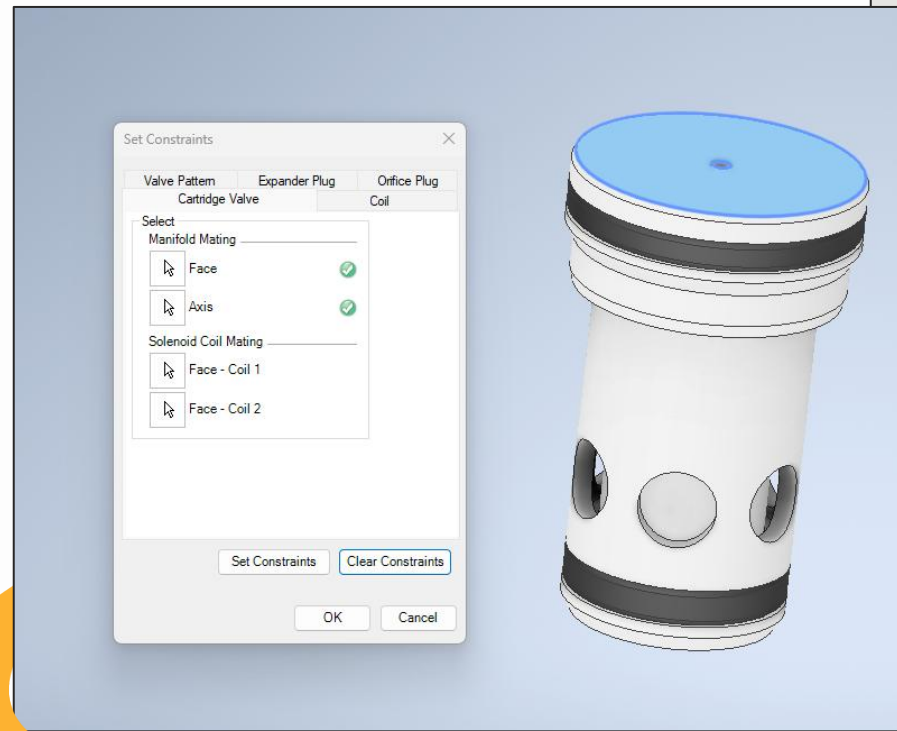
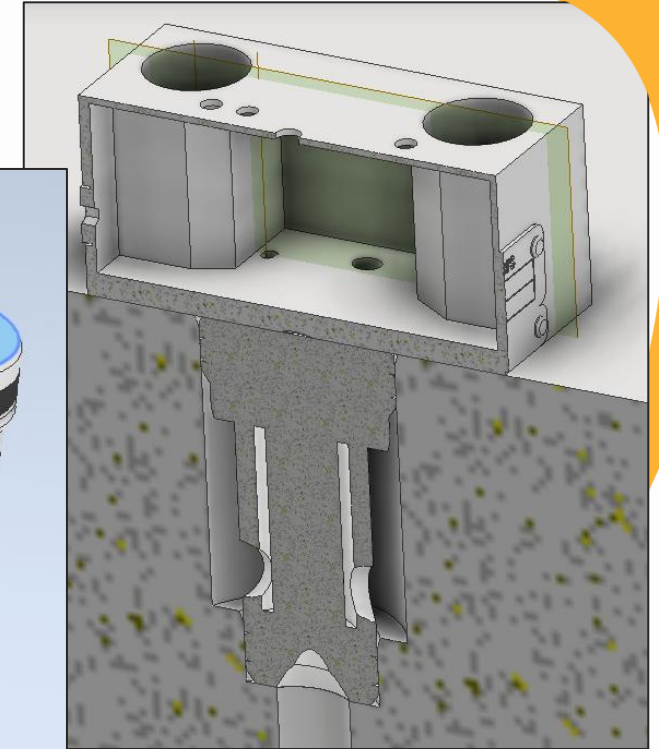
Expander Plug Enhancements

New Expander Plug Assembly constraints and new assembly logic ensure placement at proper depth and orientation



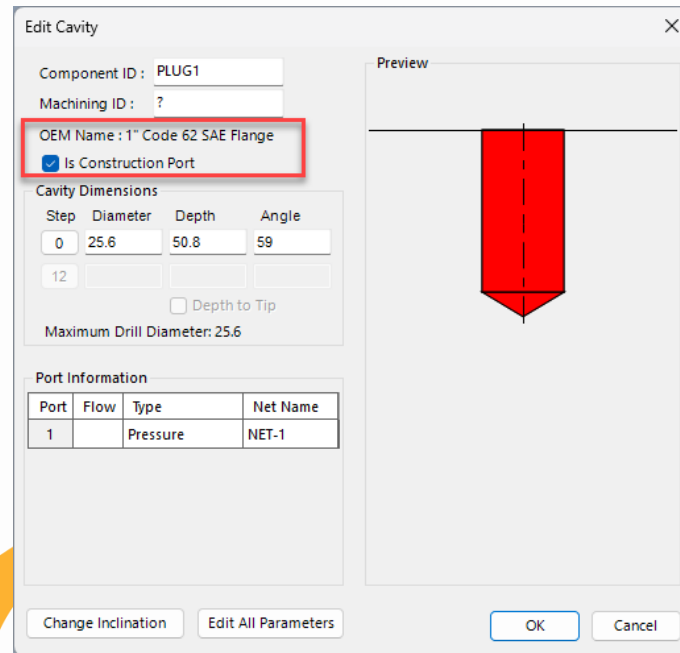
Assemble Slip-In Cartridge

With Slip-In Cartridge Valves, the cartridge valve is only assembled to the parent cavity of a footprint. For a chamfered cavity, the top of the valve is used as the Manifold Mating face



Construction Port Flange Enhancements

Flanges can now be used as construction ports to be marked within the drawing, and automatically assemble flange covers



Component ID: PLUG1
Machining ID: ?
OEM Name: 1" Code 62 SAE Flange
☒ Is Construction Port

Cavity Dimensions

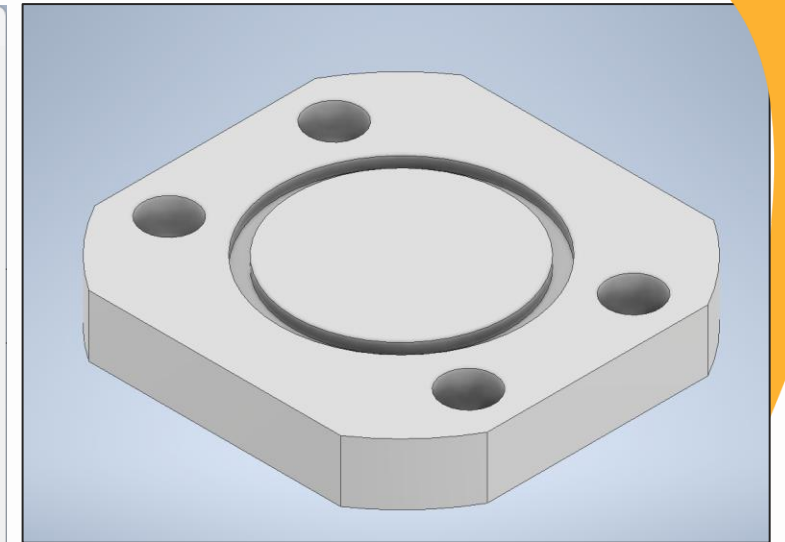
Step	Diameter	Depth	Angle
0	25.6	50.8	59
12			

☐ Depth to Tip
Maximum Drill Diameter: 25.6

Port Information

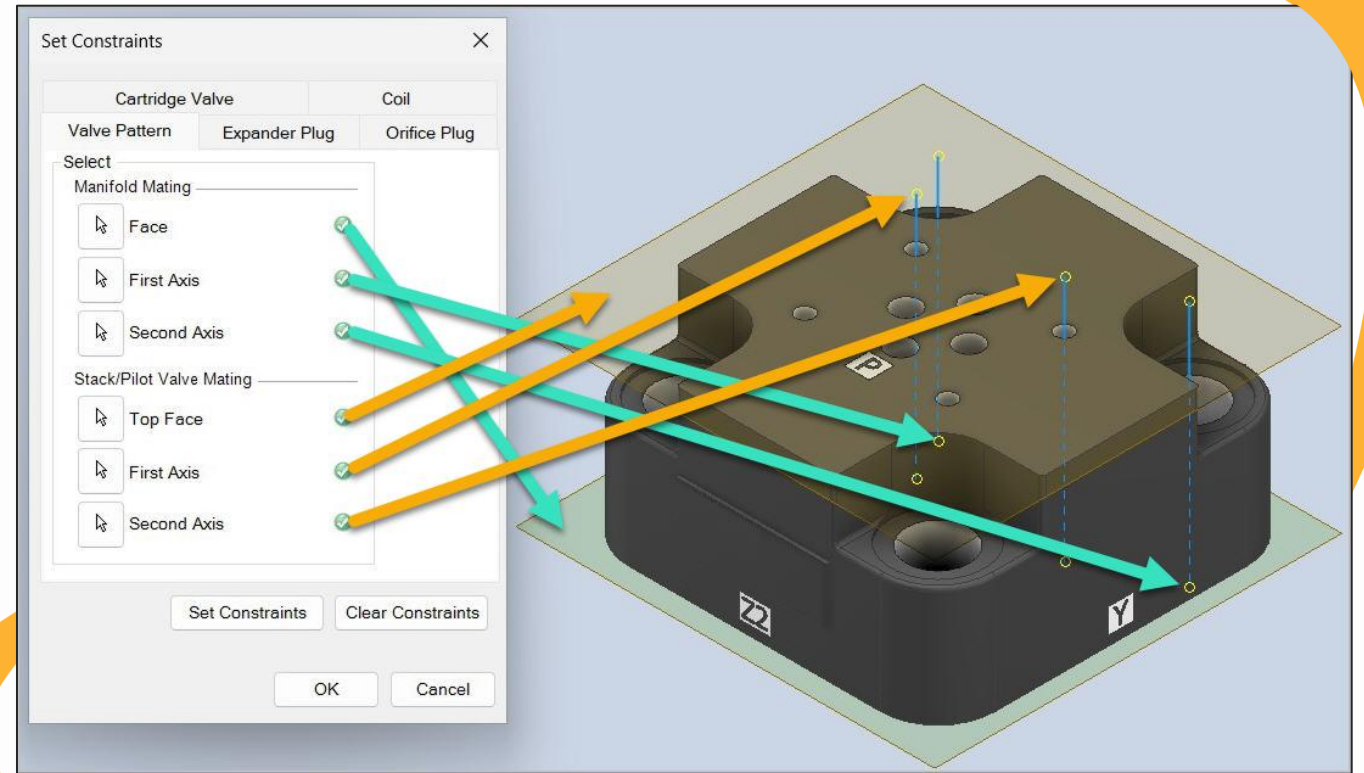
Port	Flow	Type	Net Name
1		Pressure	NET-1

Change Inclination Edit All Parameters OK Cancel



Stack Valve Assembly Enhancements

Enhancements now support stacking valves with different top and bottom patterns

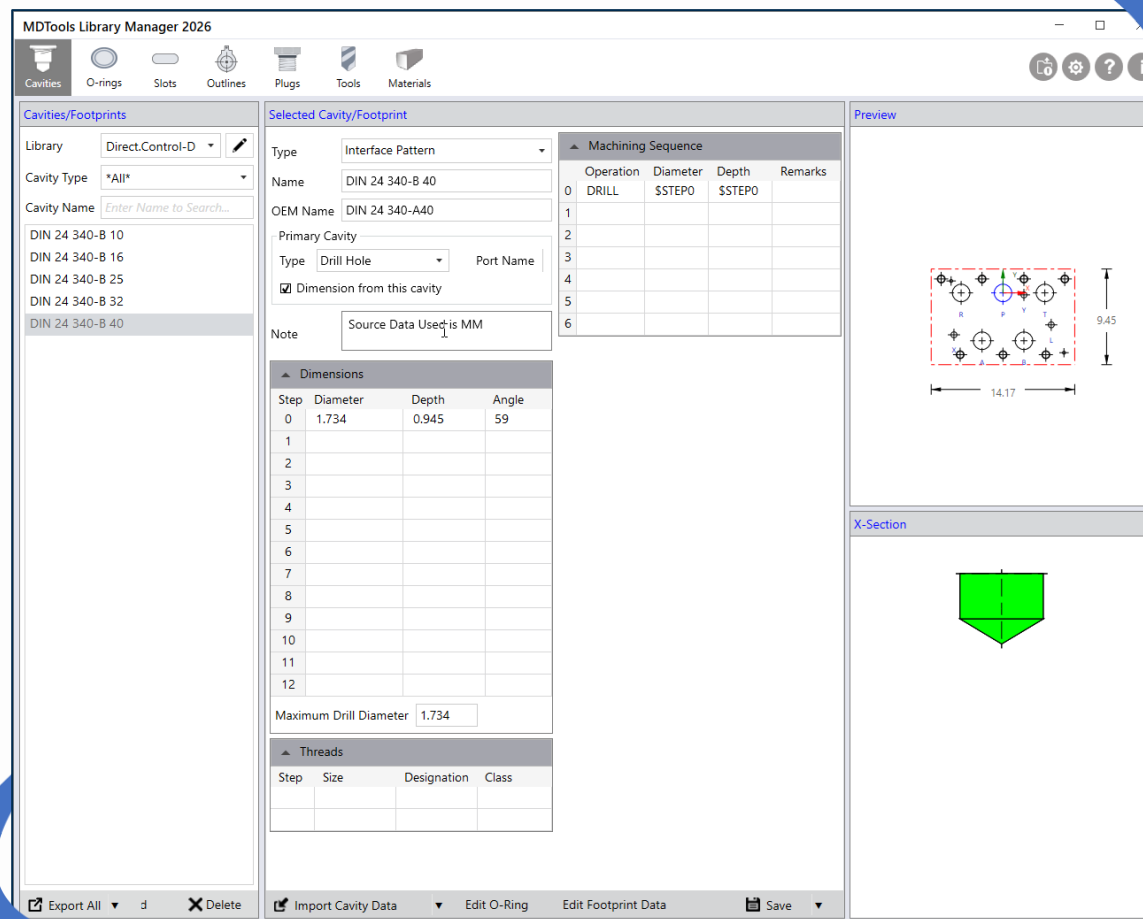


Library Manager



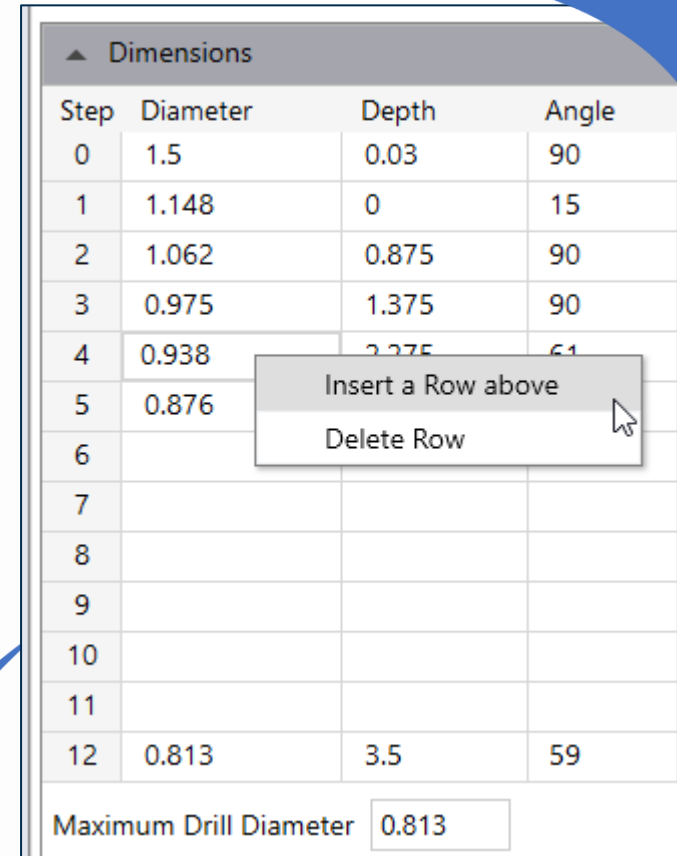
Footprint Layout Preview

Navigate footprint libraries faster with full pattern previews upon selection



Add and Delete Rows

Use Insert and Delete Rows to manage cavity edits with ease



▲ Dimensions			
Step	Diameter	Depth	Angle
0	1.5	0.03	90
1	1.148	0	15
2	1.062	0.875	90
3	0.975	1.375	90
4	0.938	2.275	61
5	0.876		
6			
7			
8			
9			
10			
11			
12	0.813	3.5	59
Maximum Drill Diameter		0.813	

Thank You



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