



Evolution thro' Knowledge

### **SOLIDWORKS SHEET METAL & STRUCTURE SYSTEM TOP ENHANCEMENTS IN 2024**

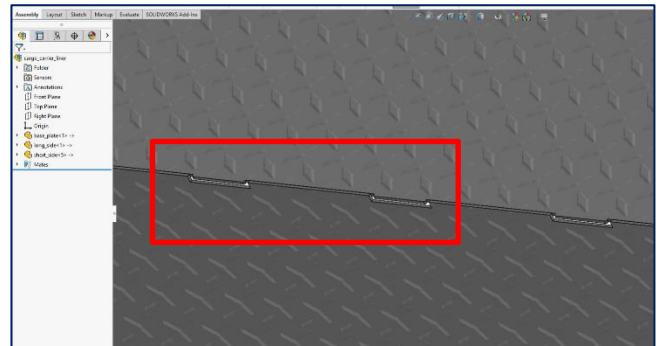
SOLIDWORKS 2024 offers a wide range of enhancements and new additions of convenient tools to improve the user experience. Various set of features are included in this release while this blog focus on some of the enhancements and upgrades in Sheet Metal and Structure System.

#### **SHEET METAL**

##### **Propagate Slots**

Using Tab and Slot, users can propagate slots to multiple parts in assemblies

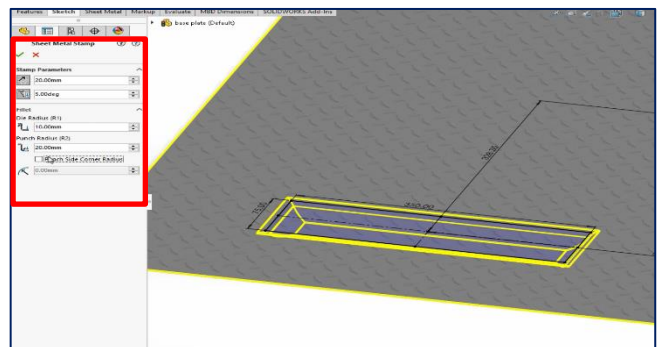
- Assembly created with the Tab and Slot tool, you can propagate slots for that tab to other instances of the component in the assembly.
- Slots propagate only when the tab component intersects with the slot component.



##### **Stamp Tool**

Stamp sheet metal parts using simple sketches

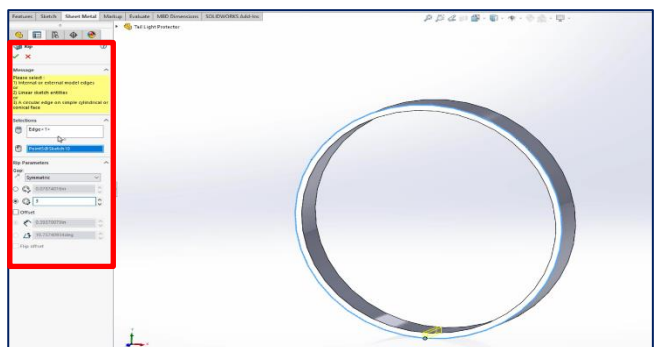
- Stamp tool used to create sketch-based parametric forming tools to apply to sheet metal parts.
- Using sketches to create forming tools is a faster way to apply forming tools to sheet metal parts.
- The Stamp tool allows more flexibility to experiment with different designs and parameters.



##### **Rip Command Enhancements**

Insert rips into thin-walled cylindrical and conic parts

- Rip tool creates rips in hollow or thin-walled cylindrical and conical bodies. By selecting an edge on a cylindrical or conical face, you can flatten the part as sheet metal.



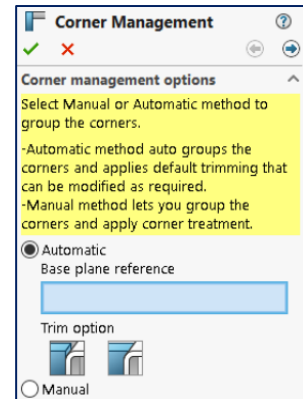
### STRUCTURE SYSTEM AND WELDMENTS

#### Corner Management

In Save time by grouping similar corners automatically

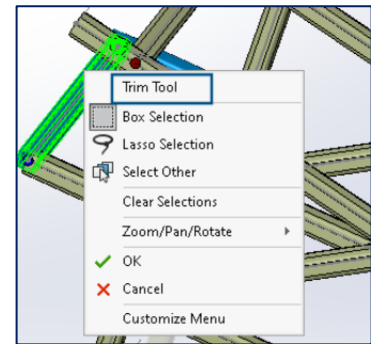
In the PropertyManager, specify an option:

- **Automatic** - Groups similar corners and applies the corner treatment.
- **Manual** - Lets you group similar corners and apply the corner treatment.



The Trim Tool shortcut menu is available in the graphics area. It lets you swap the member to trim.

- In the PropertyManager, for Trim Tool, you can select Automatic or User Defined.
- The User Defined option lets you select a face or a plane to trim. Previously, you could use it only for Body Trim.



#### Displaying Units in File Properties

Communicate more clearly now that you can specify units in both Custom Properties and Cut lists.

