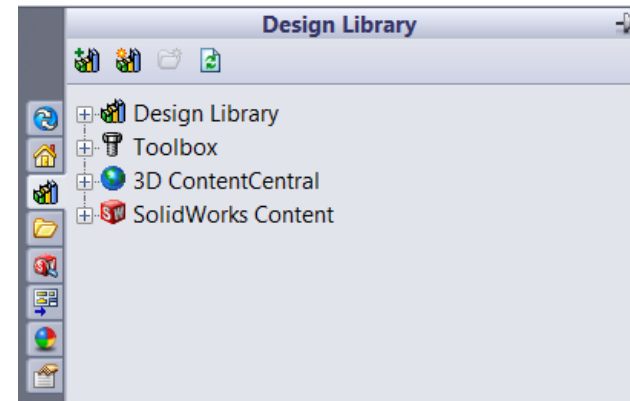


North East SolidWorks User Conference

Design Library



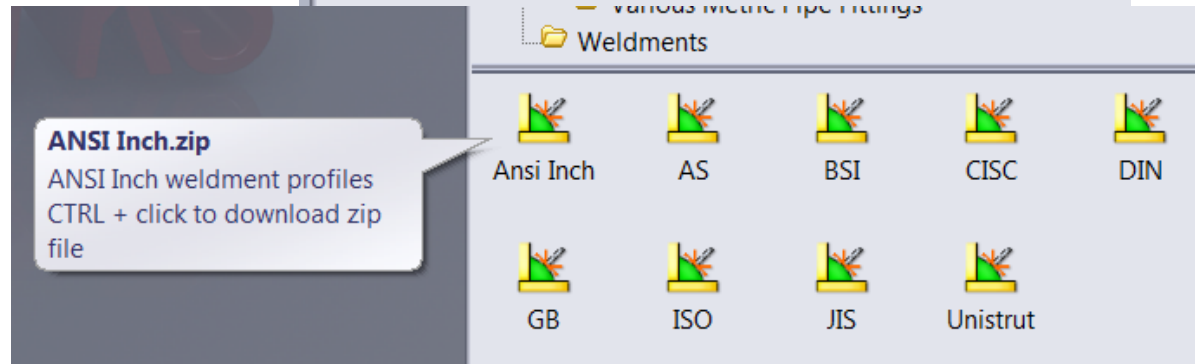
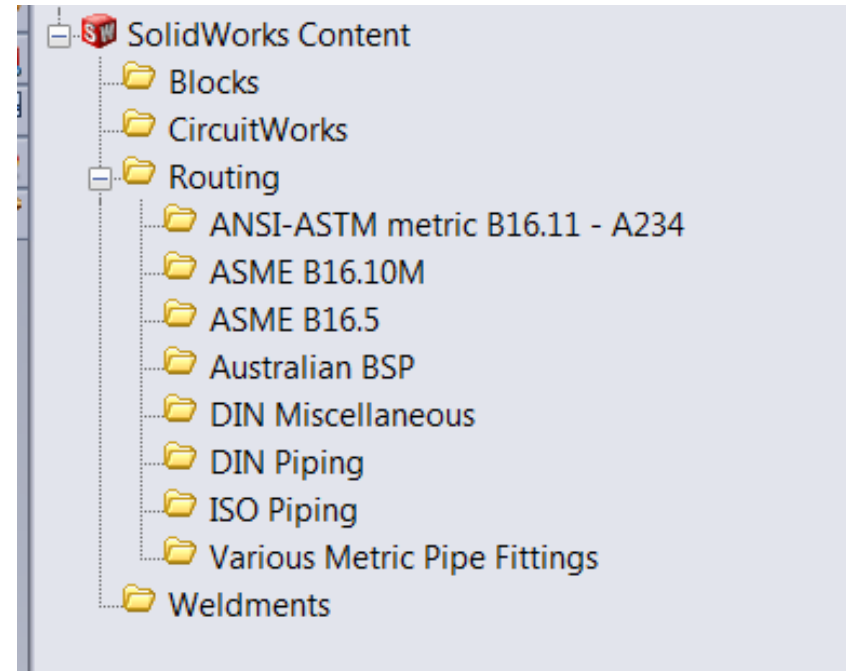
Leon Austin CSWE
Technical Manager
CADD EDGE INC



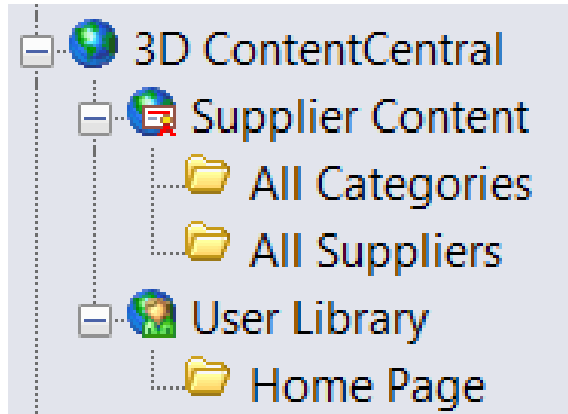
- SolidWorks Content

- Extra variables for:

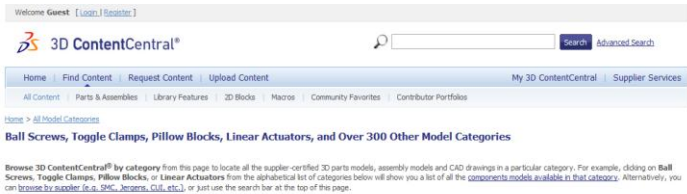
- Blocks
 - Electrical
 - Hydraulic
- CircuitWorks
- Routing
- Weldments



- 3DContent Central
 - Supplier Content
 - Trusted Vendors
 - User Library

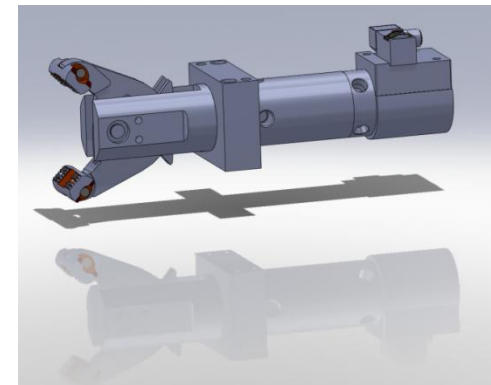
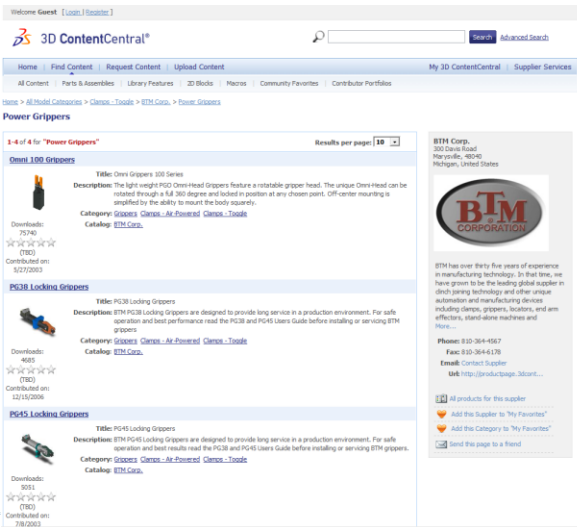


• Who knows who's on the computer at night!



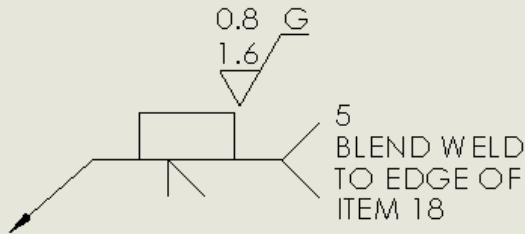
Categories A-Z Jump to: []

3	D	H	T
3D Clip Art	Dampers	Machine Pads	Temperature Controllers
A	Decouplin...-Pallet	Machined Parts	Terminal - Pneumatic
Accessories - Machine Setup	Die sets	Manifolds	Terminal - Static
Accessories - Tool	Dies	Manifolds	Terminal Blocks
Accessories - Valve and Tubing	Diodes	Manifolds	Terminal Crops
Actuator - Electric	Disc Couplings	Mechanisms	Terminals - General
Actuators - General	Disks	Metal Boxes	Thermal Coolers
Actuators - Linear	Dispenser Equipment	Metal Stenans	Thermistors
Actuators - Rodless	Disques	Die Specs	Threaded Inserts
Actuators - Rotary	DMF	Minors	Threaded Key Inserts
Adjustable Locking Hubs	Door Accessories	Miscellaneous	Timers
Adjusting Balls	Down Pins	Motor Boxes	Torque Handles
Adjustment Pads	Drains	Module Tooling	Torque Limiters
Air Filters	Drill Bushings	Mod Components	Toys
Air Pneumatic Cylinders	Drive Belts	Motor Controllers	Transducers
Aircraft	Drives	Motors - Compact Gear	Transformers
Air Fittings and Accessories	Dust Prevention	Motors - General	Transistors
Aluminum Frames	E	Motors - Linear	Tuning Forks
Anchor Brackets	Elector Fans	Motors - Robotix	Tubing
Angle Brackets - Cast	Elector Fans	Motors - Stepper	Tube Components
Angle Brackets - Welded	Elastic Components	Mounting Components	Turbidities
Angle Plates	Electrical Protection	Mounts	U
Angle Plates	Electrical Protection	Mufflers	Universal Fixtures
Anti-Backlash Nuts	Electronic connectors	N	Universal Joints
Assembly Presses	Encoders	Nipples	Valves
Audio Jacks	Extruders	Noise Control	Vacuum Accessories
Automotive	F	Nipples	Vacuum Cups
	Fans	Nut Brackets	Vacuum Fixtures
	Feed Fixers	Nuts	

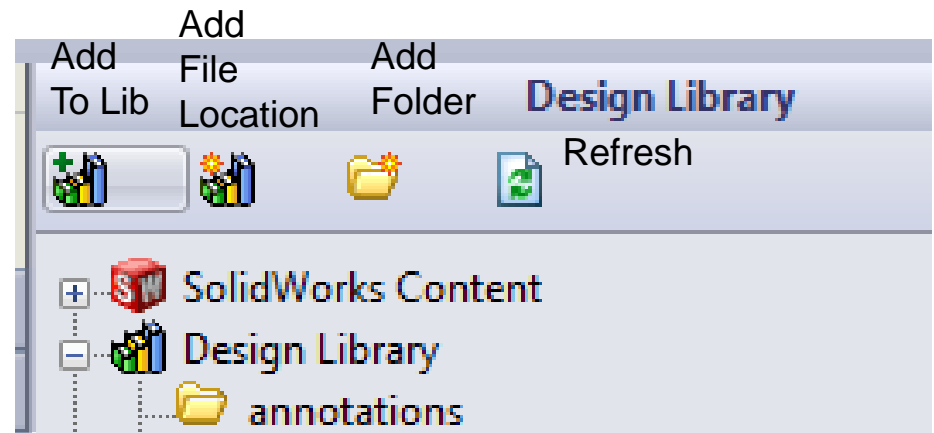
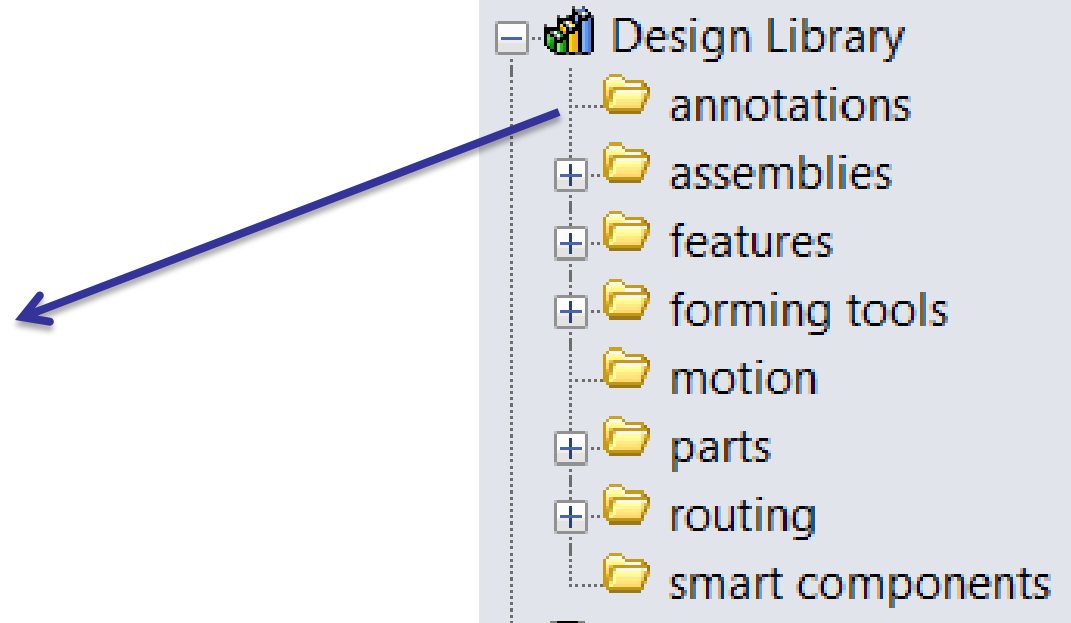
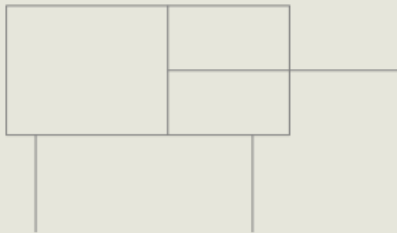


- annotations

Presented by Leon Austin of CADD EDGE



⊕	∅ .100 (M)	A B	N(M)	P
	∅ .014 (M)	A B		



- Tip
 - Add notes as line items and they will auto number when added to a note.

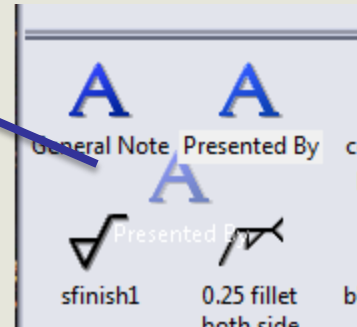
Notes:

1. Do not scale the drawing. The person creating it did not know what they were doing and it's all screwed up.
2. Don't drink the coffee, I think they spit in it.

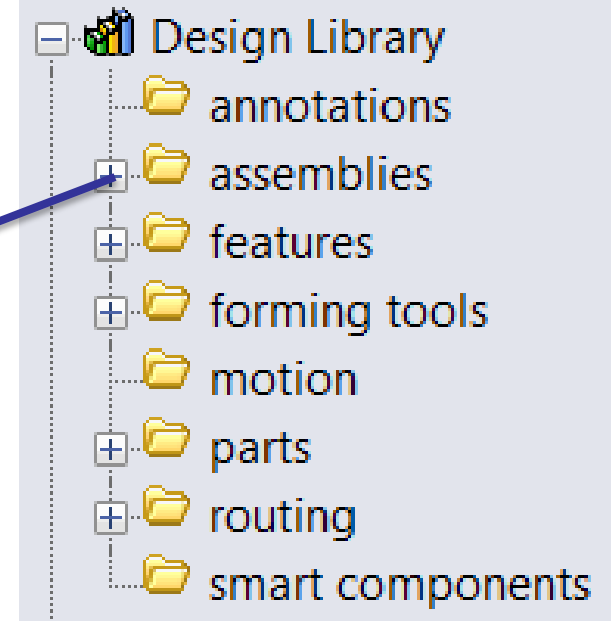
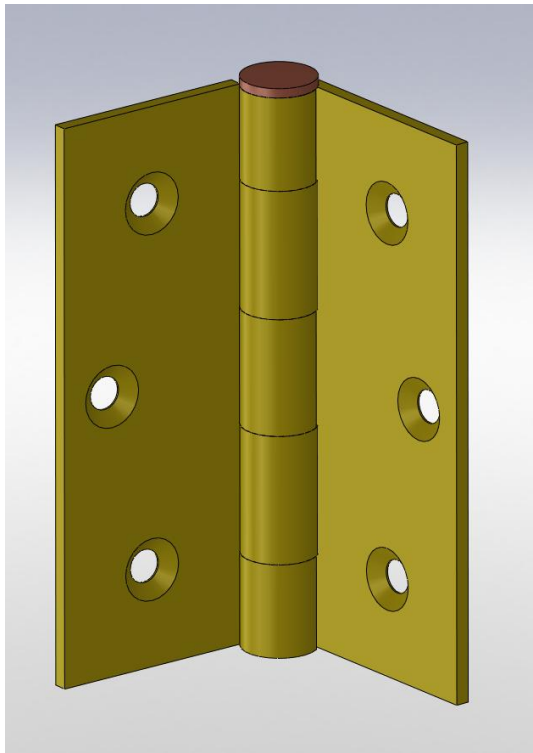
Presented by Leon Austin of CADD EDGE

Notes:

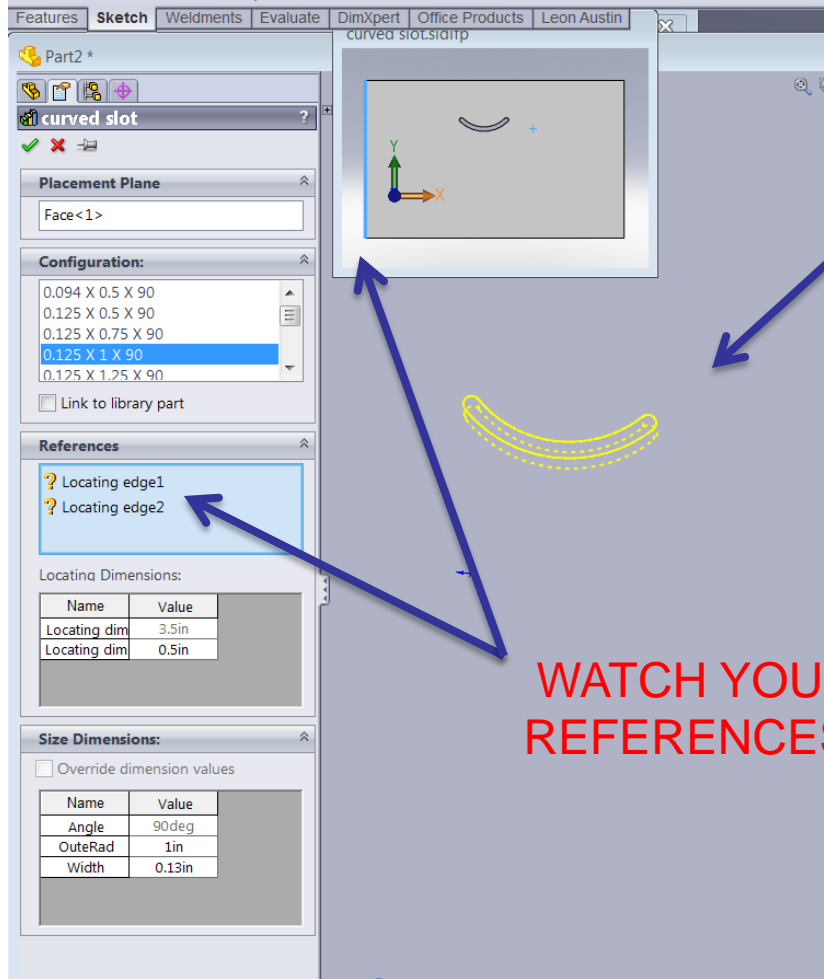
1. Do not scale the drawing. The person creating it did
2. Don't drink the coffee, I think they spit in it.
3. Presented by Leon Austin of CADD EDGE



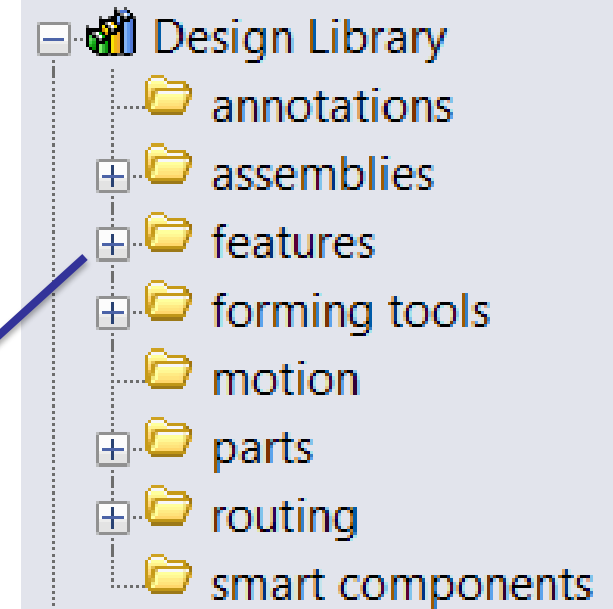
- Save time setting up commons sub assemblies

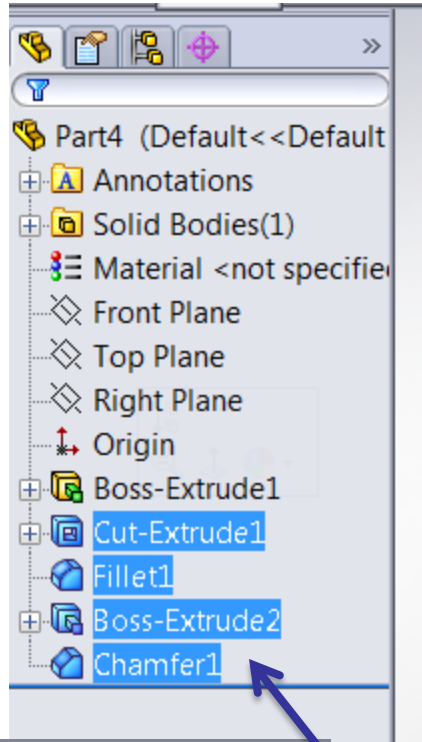


- Like Copy/Paste
 - Can do several features at once

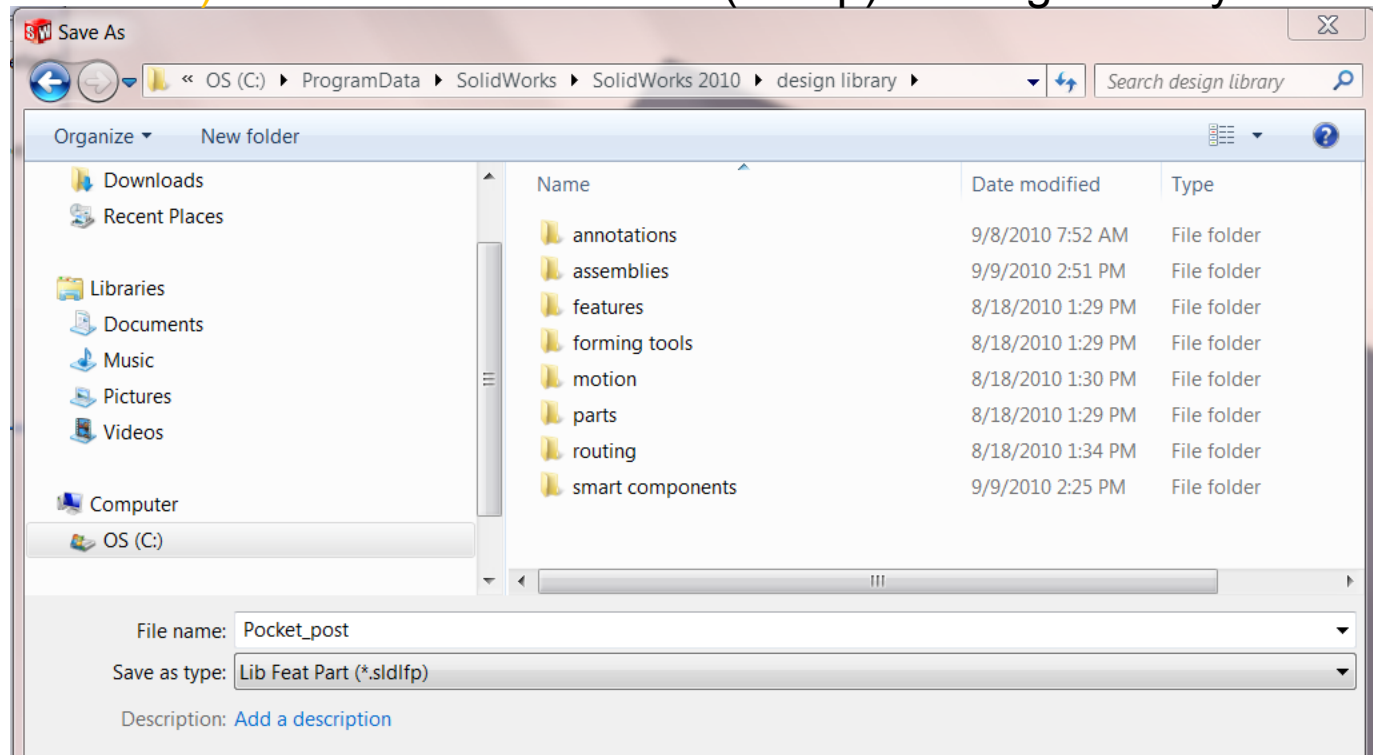


WATCH YOUR REFERENCES





3) Save As "Lib Feat Part (.sldlfp) or Drag to library



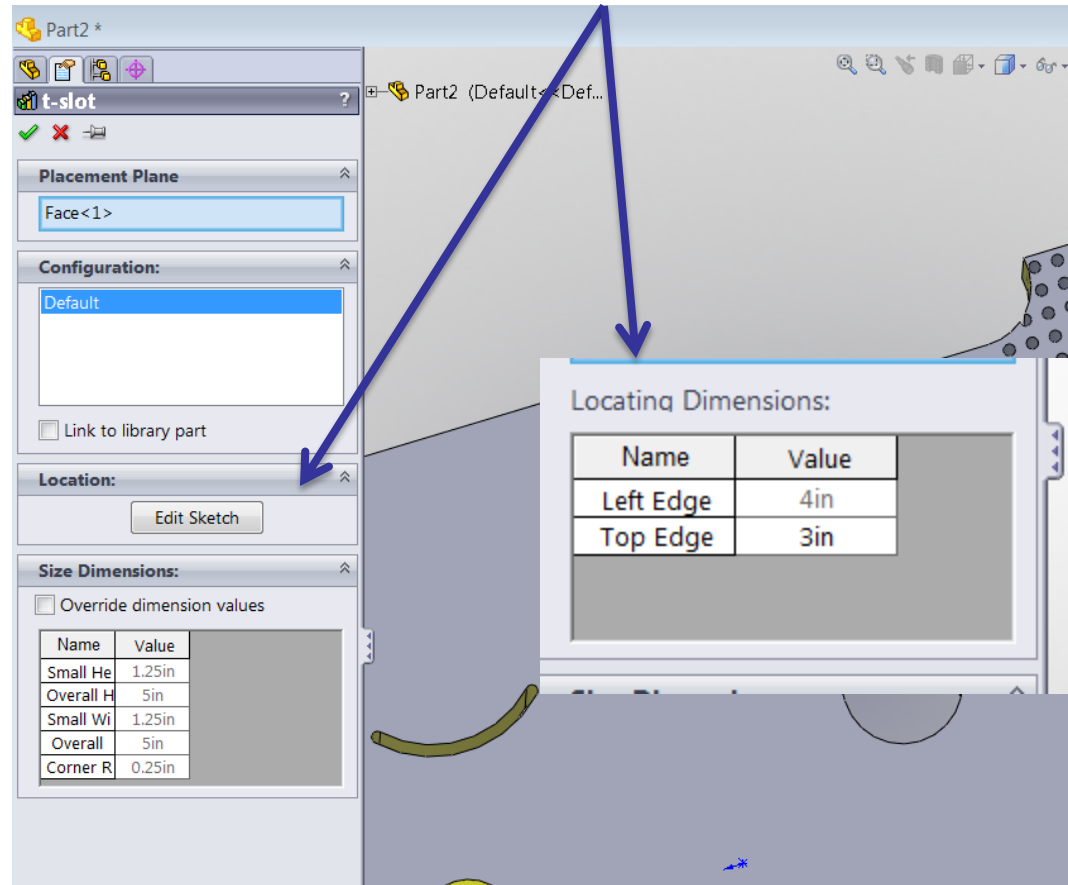
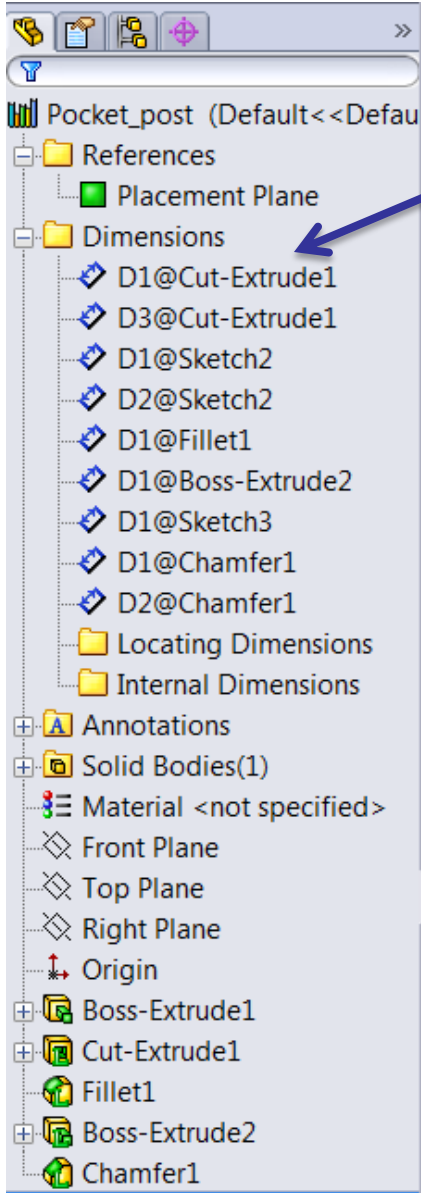
IMPORTANT!

1) Create the features

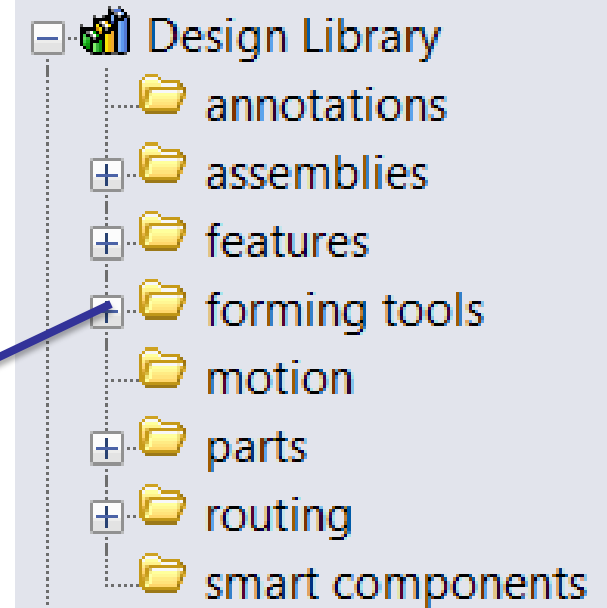
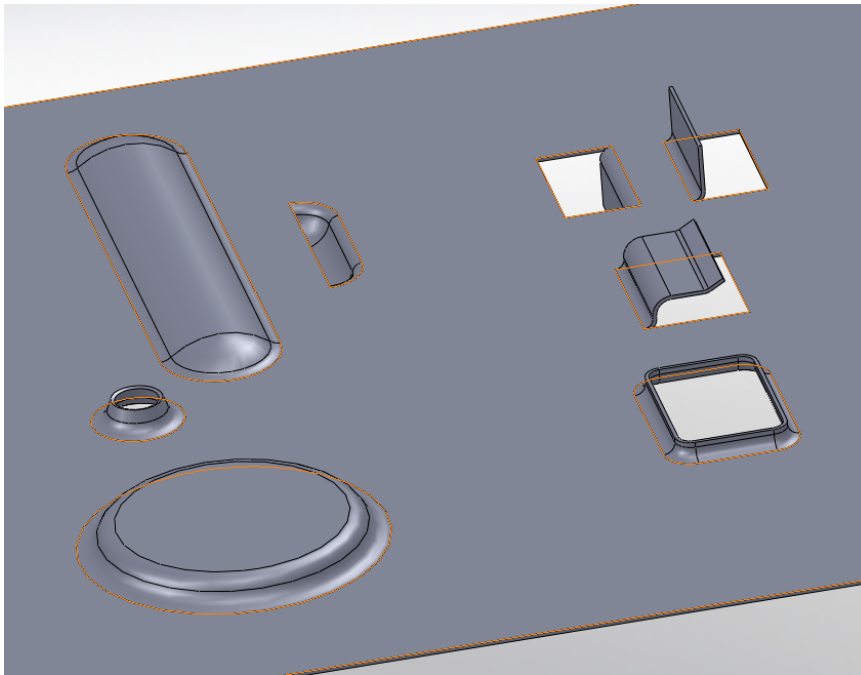
2) CTRL Select all the features you want!

- Make Adjustments

Why Edit Sketch vs. Locating Dimensions



- Sheet Metal

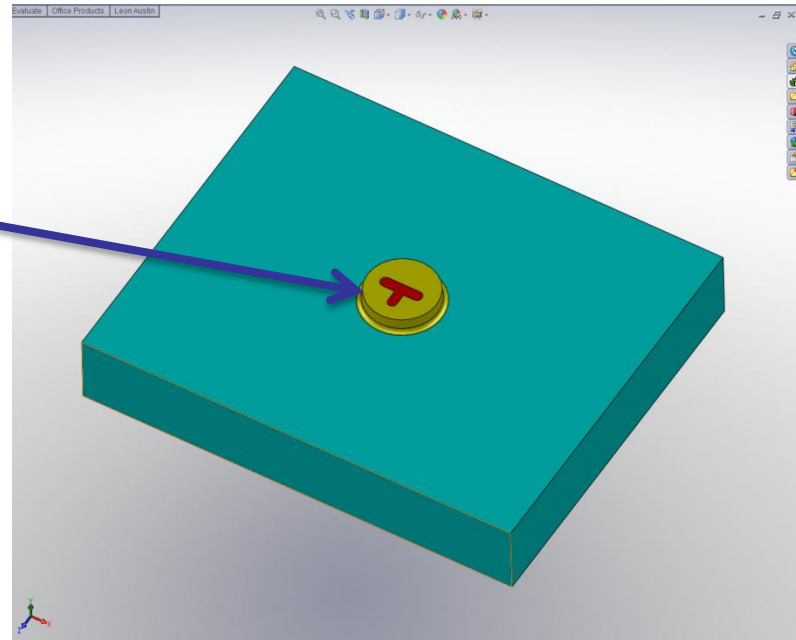


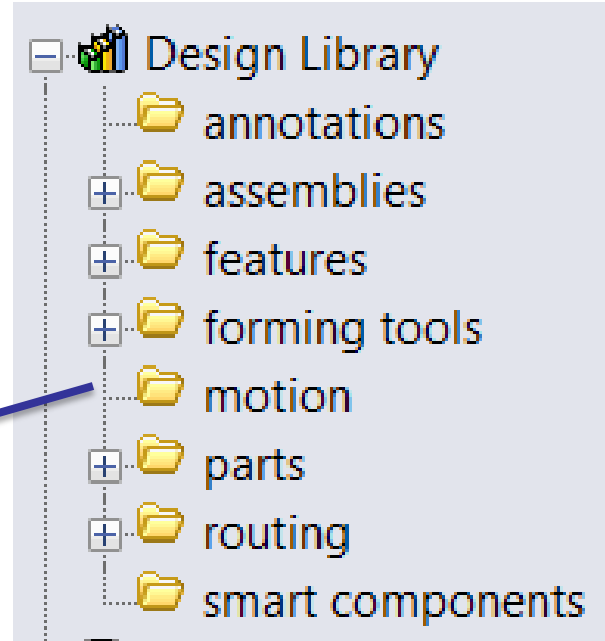
- **Form Tool**

- 2 types

- Old .sldprt files and must be in a folder set as “Form Tool”
- Newer way .sldftp and the folder doesn’t matter

Red Faces are removed
 Use Curve/Splitline to remove part
 of a face





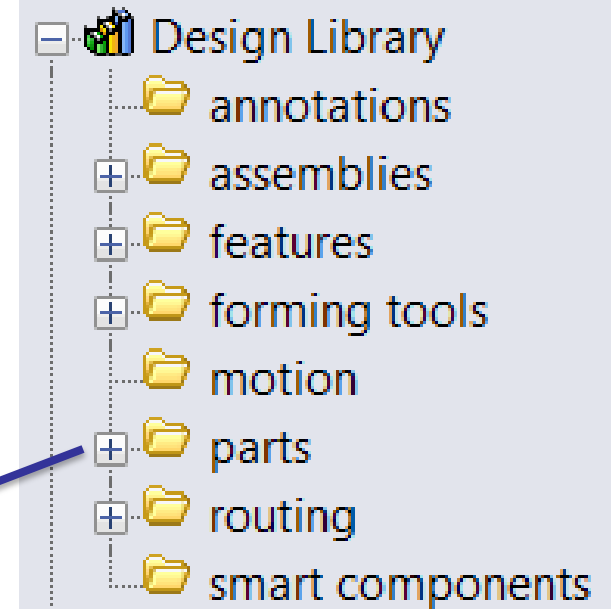
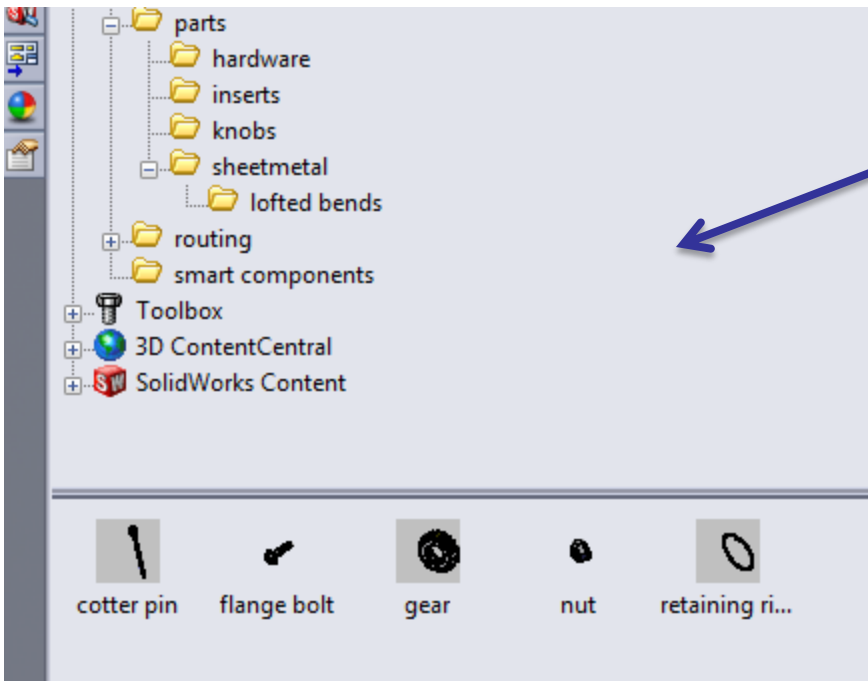
Analysis Library Features

An analysis library feature is a frequently used analysis feature (such as load/restraint, mesh control, contact condition, etc) that you create once and save in a library for future use.

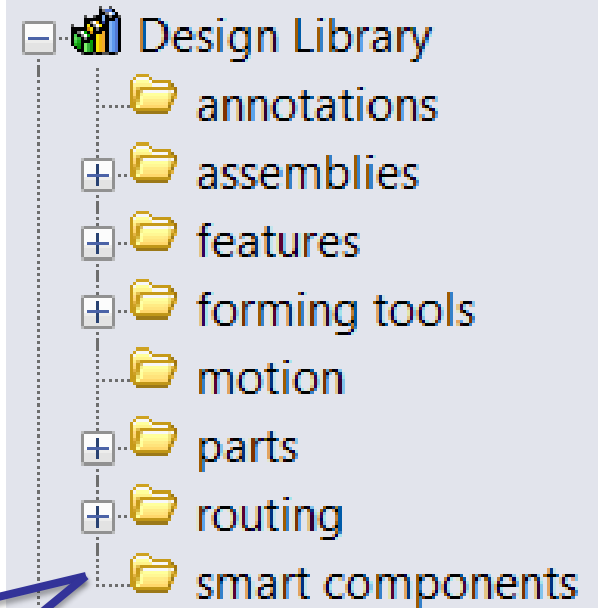
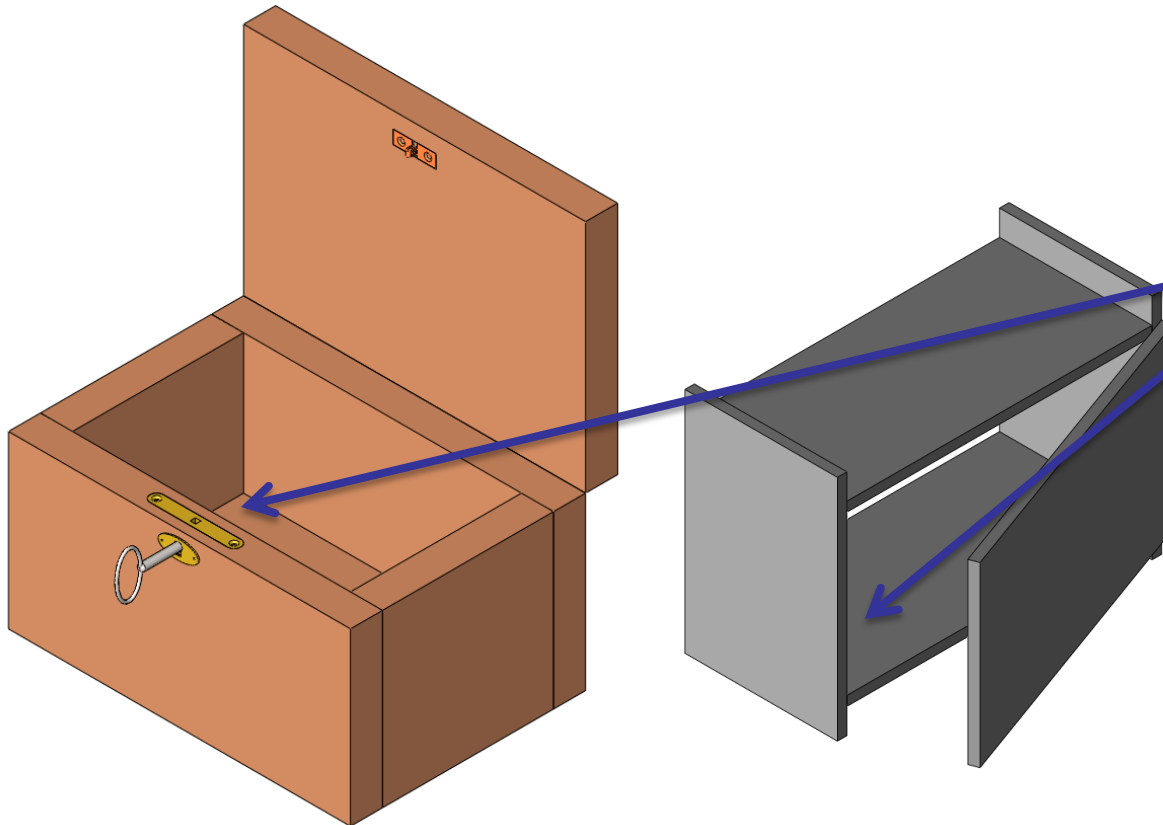
The advantages of using analysis libraries are twofold:
 Automate the use of analysis library items defined for a certain model in other similar models

Provide a means for the expert to define the most commonly used analysis features to analyze a specific design environment or operating conditions

- Purchased items
 - If not tracked in a PDM system



- Smart Components are pre-configured parts that bring with them associated features and components upon insertion into an assembly.
 - (SW Advanced Assembly Modeling Book)



Created in context
of an assembly

Thank You!

SolidWorks

**CERTIFIED
EXPERT**

Leon Austin
Technical Manager
CADD EDGE INC.