

- Select the "Hole Wizard" in the "Features" tab
- Select the face or plane on which the hole will be placed

In the "Properties Manager" Window:

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The Specification ?
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No Favorite Selected
Hole Type
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Ansi Inch 💌
Туре:
Binding Head Screw
Hole Specifications
Size:
#6
Fit:
Normal
Show custom sizing
End Condition
Through All
Options 🔅
Head clearance
Near side countersink
Under head countersink
Far side countersink

- Select the hole type:
 - o Hole
 - Countersink
 - Counter bore
 - o Tap
- Select Standard and Type
- Select the desired fit under the **Hole Specifications** Tab
- Set the **End Condition** (these are the same as the "Extrude Cut" options)

Custom Sizing:

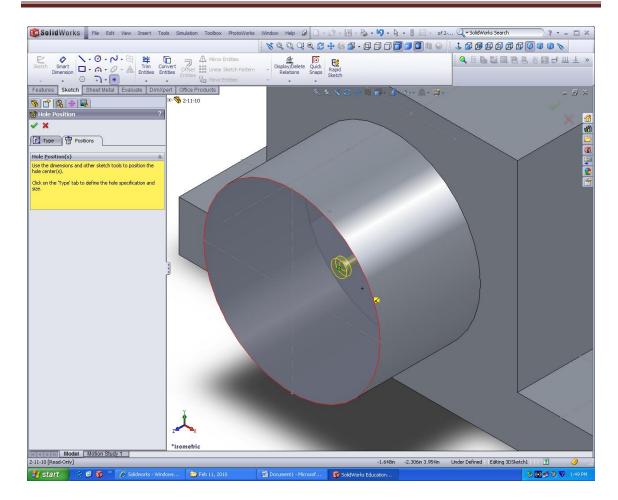
- To see custom sizing options, check the box next to "Show custom sizing"
- This will display the sizing options that can be changed to specific measurements
 - Through Hole Diameter
 - Diameter of Counterbore/Countersink
 - Depth of Counterbore/Countersink
 - Angle at bottom (for "hole" and "tap")

Example of Countersink Custom Sizing:

Size:		
3/8		
Fit:		
Close	2	(
🗹 S	how custom sizing	
	0.3860in	
	0.7620in	

Example of Hole/Tap Custom Sizing:

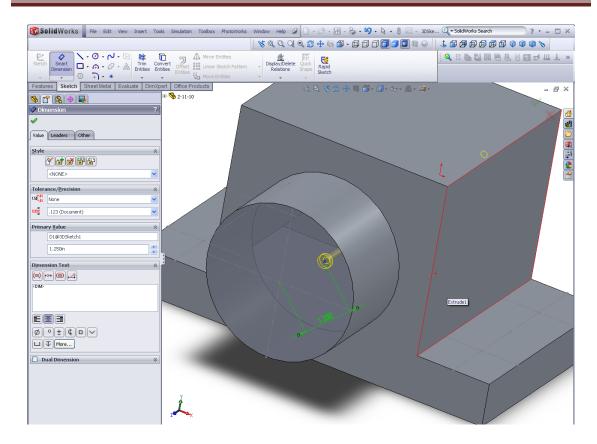
Hole	Specifications	~
Size:		
#59	~	*
🖌 Sł	now custom sizing	
⊎	0.0410in	
ø	180deg	
	Restore Default Values	



Position of the hole:

- Select the **Position** tab
- Move the arrow over the part to see a preview of the hole.
- When you have chosen the location of the hole, click on the surface where you want to place the hole.
- While you are in the **Position** tab, you can place multiple holes on the surface. All of these holes will be the same type.
- When you are done placing the holes on your part, click the green check mark.

Show and Tell- Hole Wizard

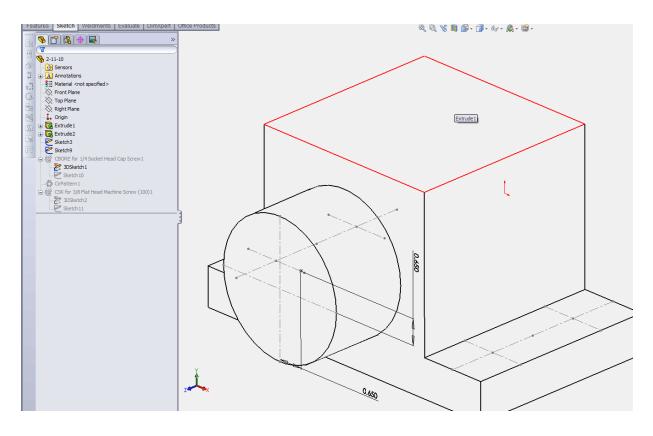


To dimension placement of holes:

- Click on Smart Dimension in the "Sketch" tab
- Select the center of the hole to add a dimension
- For holes placed on circular surfaces, the dimension will be measured from the center of the circle.
- When the dimensions are correct, click the green check mark

Using the design tree to edit dimensions:

- Expand the hole feature in the design tree
- Right-click on the "3D Sketch" under the hole feature in the design tree
- Select the "Edit Sketch" icon
- Now the dimensions can be edited in the sketch

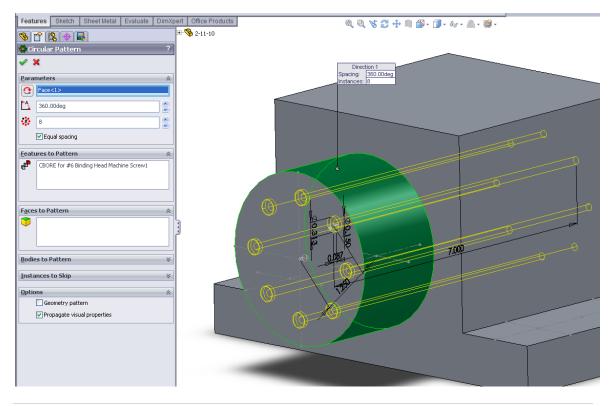


Circular Pattern:

• Under "Linear Pattern" in the "Features" tab, click on the Circular Pattern

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- Select the axis to revolve the pattern around
- Select quantities for the other parameters
 - \circ Degrees of rotation
 - \circ Number of entities in pattern
- When the pattern is complete, click on the green check mark



Holes on reference lines:

- Use the hole wizard like the previous example
- Use the view orientation tool to make the surface "normal" view
- Select the "Position" tab to place the holes on the surface
- When the mouse is near the points created by the intersecting construction lines, the hole will snap to that point.
- If the hole will not be created over that point, place it as close to that point as possible.

