

MagShapes 24 Whats New

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What's New

Mag-SHAPES


New Enhancements 2024



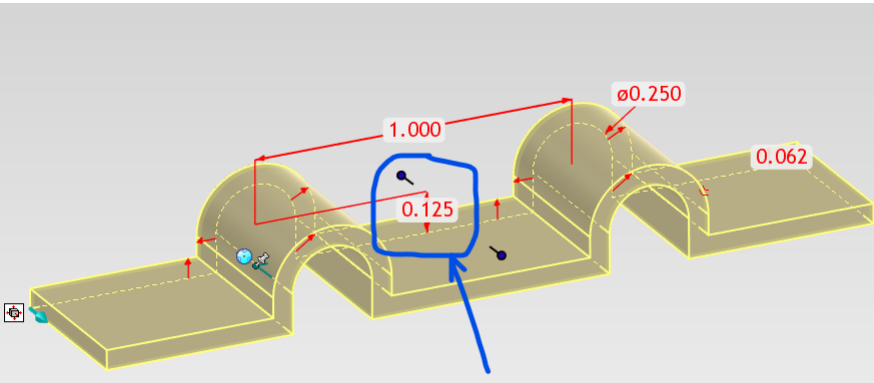


General Announcements:

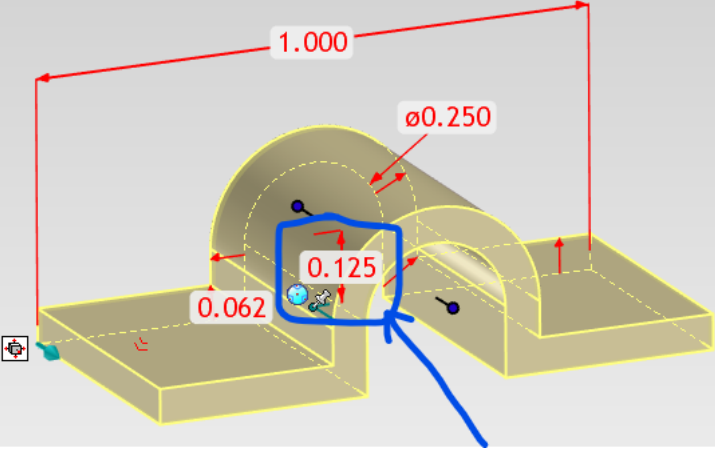


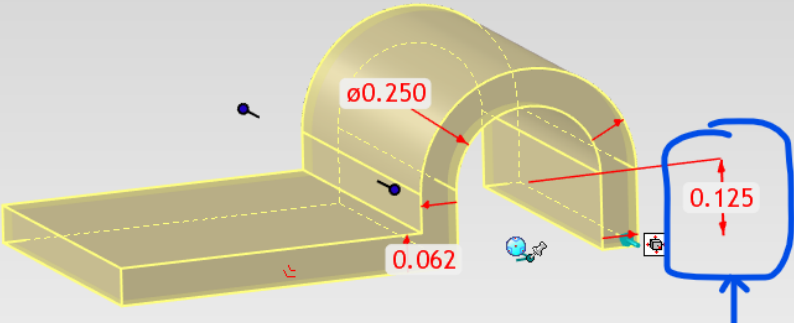
- Shortened Catag names for more space on screen. Mag-SHAPES now M-SHAPES.
- Updated the standard shapes from IronCAD's "Shapes" and Starter" catalogs into Mag-SHAPES catalog with only the more commonly used shapes for cleaner modeling. Refer back to the standard IronCAD catalogs if you wish to use the more uncommon shapes. Also reorganized standard shapes as well for easier access.
- REMOVED Subtractive and Additive "Turn" shapes becuase IronCAD has now implemented in core product under the SHAPES catalog as "Spin" and "Cut Spin".
- Removed "0-" prefix from all sub-groups.
- 0-SUBTRACT: Changed "H-Keyslot" to "KeySlot"
- 0-SUBTRACT: Changed "H Arc Slot" to "Arc Slot" and updated icon to be consistent with new "ArcSlot_SYM"
- 0-SUBTRACT: Changed "H Tombstone" to "Tombstone" and updated icon.
- Dividers have been added to create "sectioned" areas for "Whats New" and Sub-Groups".
- Some icons have been updated.
- 0-SUBTRACT: Remove all the "H" prefixes from items.
- 0-SUBTRACT: Moved "#1" subtractive shape to the "O-Decorative" sub-group.
- 0-SUBTRACT: Moved "H Magnacad" subtractive shape to the "O-Decorative" sub-group.
- 0-SUBTRACT: Renamed subtractive "Power Button" shape to "Power"
- 0-SUBTRACT: Renamed subtractive shape "Loft_Rectangular" to "Loft_Rect"
- 0-SUBTRACT: Renamed subtractive surface "H Surf Lofted Arc" to "**Cut Loft-3 Arc**"
- 0-SUBTRACT: Renamed subtractive surface "Surf Lofted Arc" to "Loft-3 Arc"
- 0-SUBTRACT: Removed the Tap Hole features. Due to the underlying kernels face/edge assignment constraints we decided to remove these 2 features. Users can still use the standard "Custom Hole" tool found in the "TOOLS" catalog.
- 0-SUBTRACT: **Universal Nail Hole** - Added the Sizebox handles. The L &W are symmetrical while the Height resize is standard. Note: Using the sizebox handles will eliminate the accuracy to the "center" portion of shape which is developed towards a common #10 nail.
- 0-SUBTRACT: **Arrow**. Added the Sizebox handles. The L &W are symmetrical while the Height resize is standard.
- 0-ADD: Renamed "Stepped Base" to "Stepped Turn" and resized for easier drop. Fixed anchor location.
- 0-ADD: Moved anchor to tip of "Wedge"
- 0-ADD: Moved anchor to tip of "Teardrop"
- 0-ADD: Moved anchor to tip of "Aero"





- 0-ADD: Renamed "Angled" to "Angle" and relocated anchor.
- 0-ADD: Renamed "Double Bullet" to "Bullet Double".
- 0-ADD: increased default size of "R Cone"

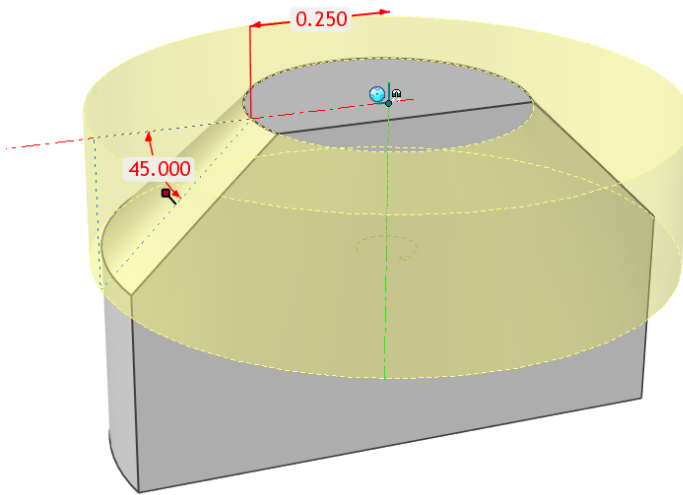


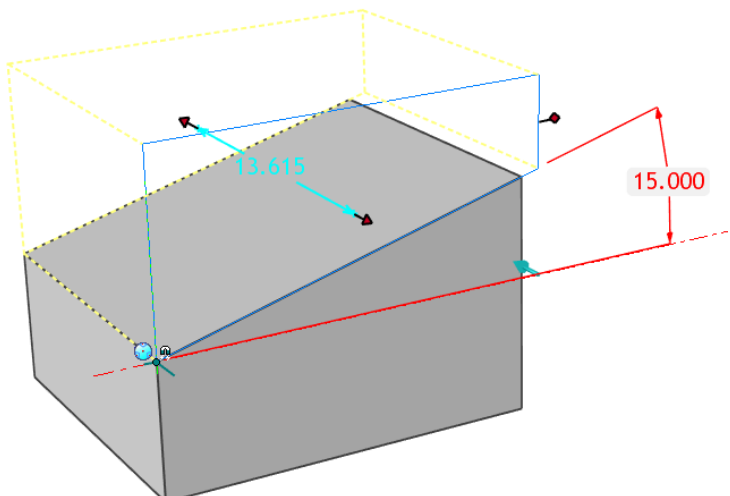


New Features and Enhancements

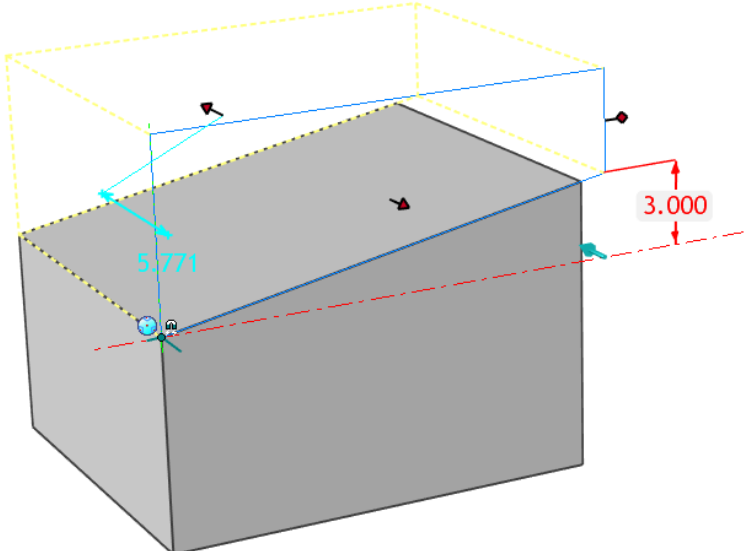




	 <p>Sculpting</p>	<p>Sculpting Web link to a free 3d sculpting platform to develop organic shapes that can be export in various formats and used in your IronCAD design.</p> <p>Video: https://magnacad.com/wp-content/uploads/Magna-Catalogs/MagSHAPES/Sculpting.mp4</p>
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 <p>ADD</p>	 <p>Loop Double</p>	<p>Loop Double (formerly "Wire Bracket Double") Corrected the co-linear alignment of the bottom geometry. Added more geomtetric constants for better success. Also added Center of Radius constraint dimension for more control. Relocated anchor to center bottom of left radius.</p> 
 <p>ADD</p>	 <p>Loop Single</p>	<p>Loop Single (formerly "Wire Bracket Centered") Added more geomtetric constants for better success. Also added Center of Radius constraint dimension (ie. 0.125) for more control.</p>

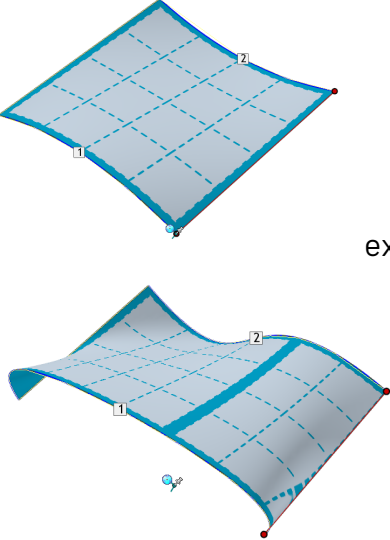


		
 <p>ADD</p>	 <p>Loop Offset</p>	<p>Loop Offset (formerly "Wire Bracket") Added more geometric constants for better success. Also added Center of Radius constraint dimension for more control. Eliminate 2 radii.</p> 


 <p>SUBTRACT</p>	 <p>Arc Slot_SYM</p>	<p>Arc Slot_SYM Added symmetrical constraining to the "Arc Slot" feature. This feature is also handle and dimension driven. You can pull on either shape handle on ends for symmetry editing.</p> <p>Video: https://magnacad.com/wp-content/uploads/Magna-Catalogs/MagSHAPES/Arc%20Slot%20SYM.gif</p>
 <p>SUBTRACT</p>	 <p>Break Edge</p>	<p>Break Edge A subtractive spin shape that acts a chamfer to break edges on cylindrical parts. A direct dimension driven feature that allows the ID of spin and the chamfer angle to be edited.</p>





		 <p>Video: https://magnacad.com/wp-content/uploads/Magna-Catalogs/MagSHAPES/Break%20Edge.gif</p>
 <p>SUBTRACT</p>	 <p>Slant Angle</p>	<p>Slant Angle. An angular subtractive shape that allows you to edit angle from dropped anchor point using direct dimension. TriBall active on Drop to quickly place the shape to a point where the slant will originate. Extrude is set to "Thru Part" by default</p>  <p>Video: https://magnacad.com/wp-content/uploads/Magna-Catalogs/MagSHAPES/SHAPES_Slant%20Angle.gif</p>
 <p>SUBTRACT</p>	 <p>Slant Dist</p>	<p>Slant Dist. An angular subtractive shape that allows you to edit specific distance at opposite end of dropped anchor point using direct dimension. TriBall active on Drop to quickly place the shape to a point where the slant will originate. Extrude is set to "Thru Part" by default</p>

		 <p>Video: https://magnacad.com/wp-content/uploads/Magna-Catalogs/MagSHAPES/SHAPES_Slant%20Dist.gif</p>
 SUBTRACT	 Block MidEdge	<p>Block MidEdge This subtractive shape is ideal to cut parts in half since the anchor is located directly on the edge of the block.</p>
 SUBTRACT	 Block CornerEdge	<p>Block CornerEdge This subtractive shape is ideal to cut parts into quadrants or for notching blocks. Use your imagination. The anchor is located directly on the corner of the block.</p>

 SURFACES	 12in Grid  12in Grid_Dark	<p>12in Grid 12in Grid_Dark These parts are zero thickness surface modeLS which are 10ft x 10ft square by default. Of course you can edit the size as desired. A grid texture has been applied visually to show a 12" square grid pattern with quarter sub lines. One in a light transparent color and the other in a dark mode color. This is accurate and is intended for quick conceptual feedback. You cannot snap to the grid. The models are set to be Ghosted by default. So to edit it, you will need to Un-Ghost first.</p>
 SURFACES	 Loft-2 Splines	<p>Loft-2 Splines Simple Loft surface with a start and end cross-section for editing. The sections are Splines to allow for more complex geometry. NOTE: You can only editing the existing geometry by maintaing the match endpoints. You cannot delete the geometry but you are able to split is as required.</p>

		 <p>example of modification ></p> <p>Video: https://magnacad.com/wp-content/uploads/Magna-Catalogs/MagSHAPES/Loft%20%20Splines.mp4</p>
 <p>SURFACES</p>	 <p>Cut Loft-3 Arc Free</p>	<p>Cut Loft-3 Arc Free. Lofted Arcs to generate a subtraction lofted surface. Dropped as an subtract IntelliShape™. You can edit the loft cross-sections as desired without dimensional constraints.</p>

	 <p>ICO Converter</p>	<p>ICO Converter Free online utility to convert images to .ico files that can be used to generate your own icons for your desktop or IronCAD catalog interface.</p>
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 <p>DECORATIVE</p>	<p>Magnacad Logos and Icon The Magnacad profiles have been updated to the new logo design.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>Cut_Magnacad</p> </div> <div style="text-align: center;">  <p>Magnacad</p> </div> <div style="text-align: center;">  <p>Magnacad Icon Profile</p> </div> </div>
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