



# KEYCREATOR®

## Tips & Tricks



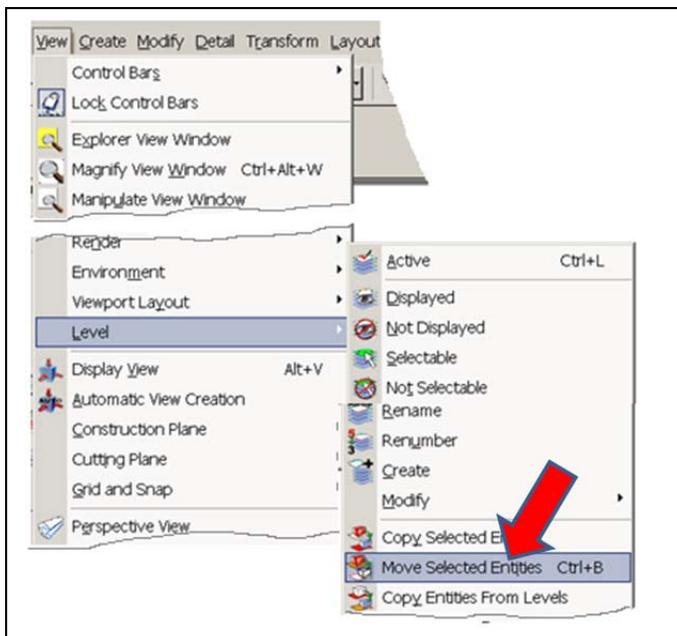
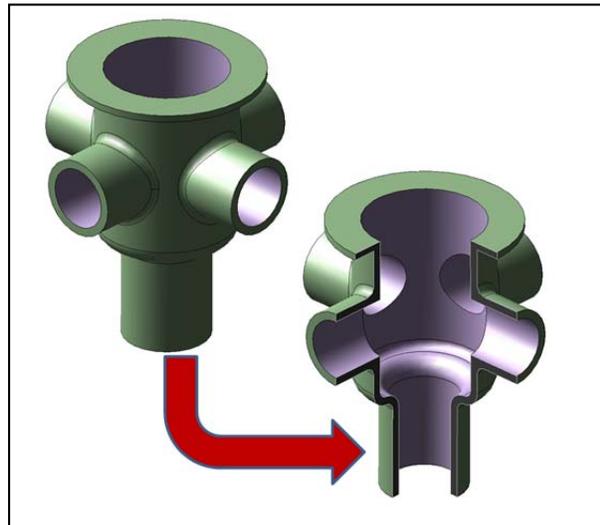
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## Tips and Tricks Number 72 Using Cutting Section and Sublevels for Enhanced Layouts

This month we're going to combine the powerful Cutting Section Tool with the use of Sublevels to create a dramatic option for the isometric view in a Layout.

We're going to work with the manifold illustrated to the right. This is available for download as "Manifold6.ckd"



In the supplied file the manifold is on level 1. Let's start by moving the part to level 5.1 You can do this by using the MOVE SELECTED ENTITIES Function.

Next, create a level 5.2 and make this the Active level.

Rename the levels so your level list looks like the one illustrated below.

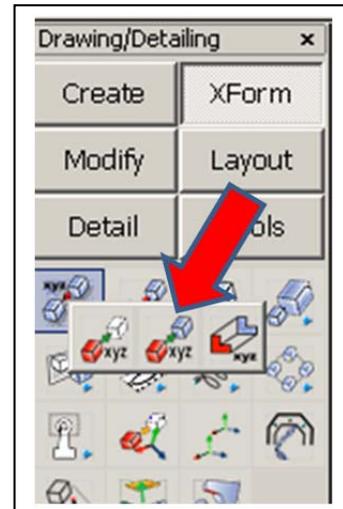
We call level 5 a "Container Level" since it has no entities on it but it does have two sublevels associated with it.

Level Name	LNum	A...	D...	Count
[-] Model Mode Levels				
[-] Unnamed	1	<input type="radio"/>	<input checked="" type="checkbox"/>	0
[-] Unnamed	5	<input type="radio"/>	<input checked="" type="checkbox"/>	0 (1)
[-] FullView	5.1	<input type="radio"/>	<input checked="" type="checkbox"/>	1
[-] SectionView	5.2	<input checked="" type="radio"/>	<input checked="" type="checkbox"/>	0

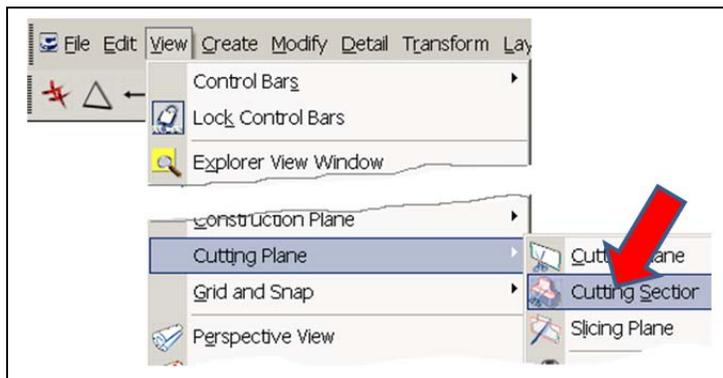
Now, let's use the XFORM DELTA COPY Function and select the manifold.

Type "1" for the Number of copies and hit the ENTER Key three times. This places the copy of the manifold right on top of the original.

Now remove level 5.1 from the display.



Click on the CUTTING SECTION Icon.

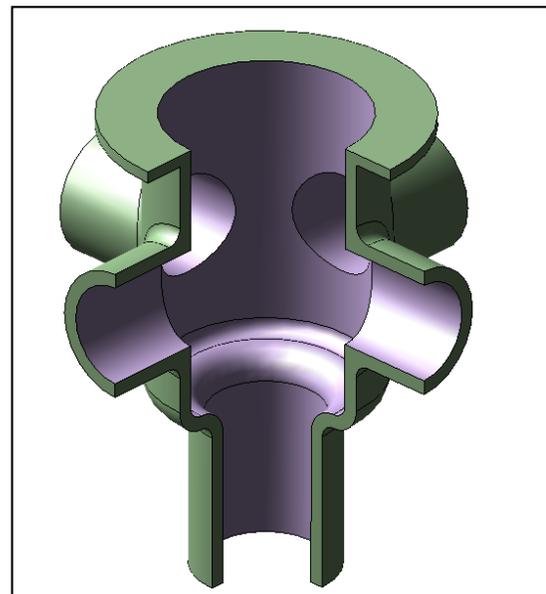


Click on the YZ Button on the Conversation Bar and then on the Add Button. Next, click on the XZ Button. Use the Reverse Button if the view faces backward. Finally, click on the Trim Button and hit OK in the Dialog Box that appears.

Your screen should now look like this:

The Trim option that you used at the last step created a permanent three-quarter sectioned part. Your original part is also still intact since it is on level 5.1

Now here is the neat thing about this. If you make a Layout of this part and place an Isometric instance in the layout, you can show either the full part or the three-quarter section part in the view by clicking on the right tab in the Layout Toggle Splitter Pane and toggling the display of the level that you wish to see!



Level Name	LNum	Count	Disp...
Front			<input type="checkbox"/>
Right			<input type="checkbox"/>
Top			<input type="checkbox"/>
Isometric			<input type="checkbox"/>
Unnamed	1	0	<input checked="" type="checkbox"/>
Unnamed	5	0 (2)	<input checked="" type="checkbox"/>
FullView	5.1	1	<input type="checkbox"/>
SectionView	5.2	1	<input checked="" type="checkbox"/>