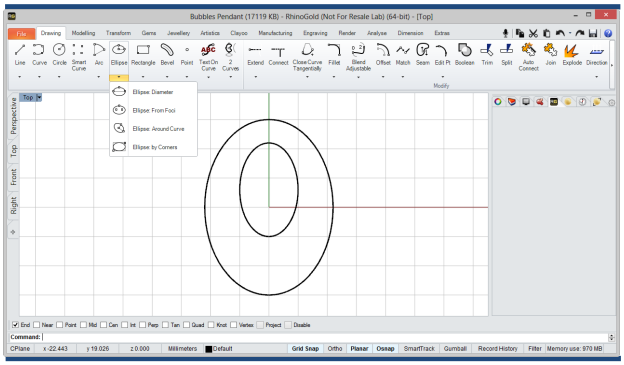
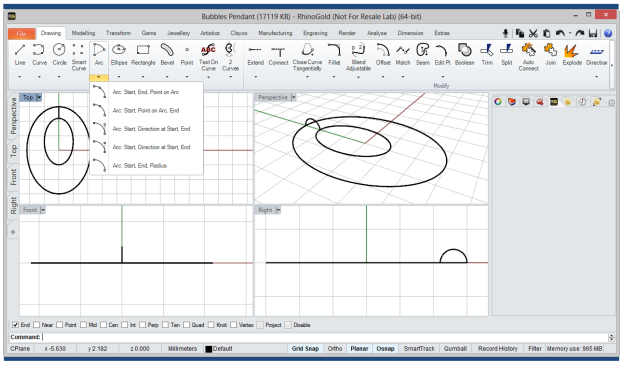
Bubbles Pendant

In this tutorial we will try out some of the most useful commands in RhinoGold. Powerful tools such as Sweep 2 Rail, Splop, Pipe and Boolean Operations.



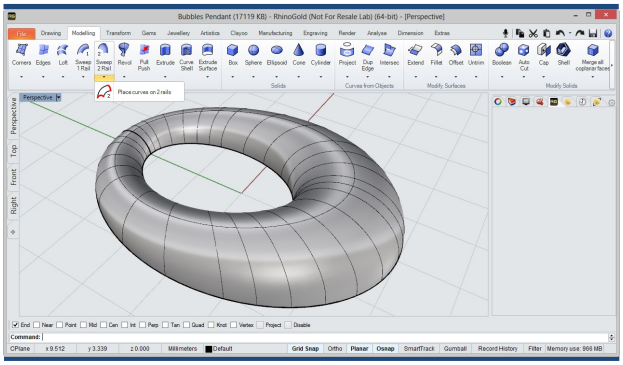
1 Ellipse

Under the Drawing tab, with the Ellipse tool in the top view, create two curves matching the image above.



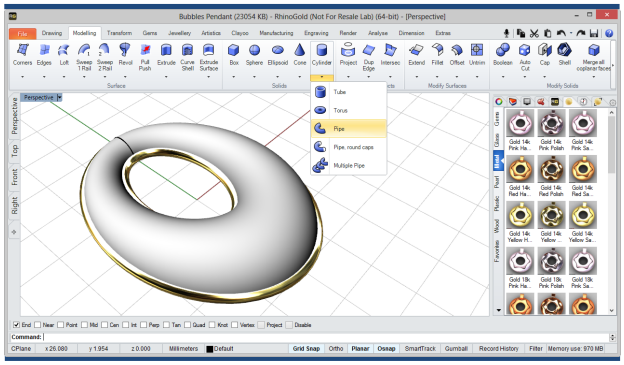
2 Arc: Start, Point on Arc, End

Now, still under the Drawing tab with the Arc: Start, Point on Arc, End tool in the right view, we can make the profile section between the curves created previously.



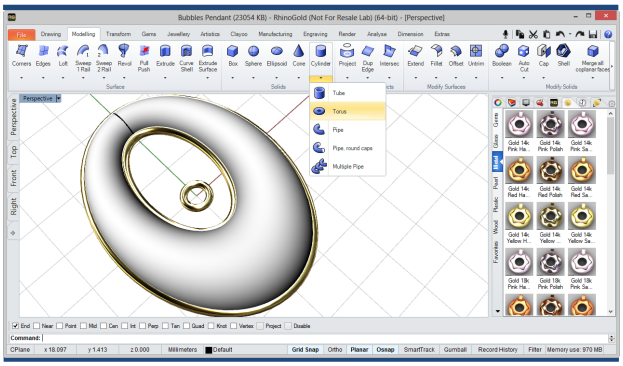
3 Sweep 2 Rail

Under the Modeling tab, with the Sweep 2 Rail tool, we can create our surface.



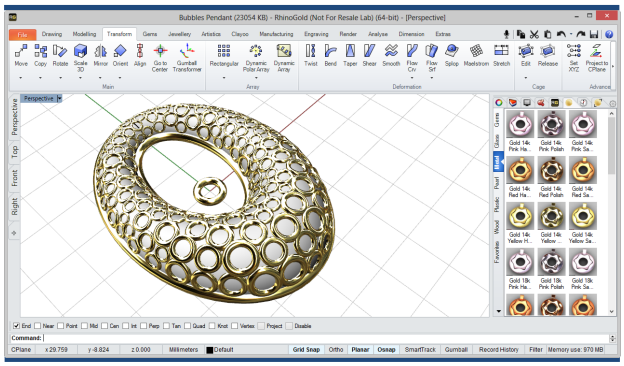
4 Pipe

Now, still under the Modeling tab with the Pipe tool define the bottom part of the surface. In this case we are going to use a 1.2mm diameter pipe.



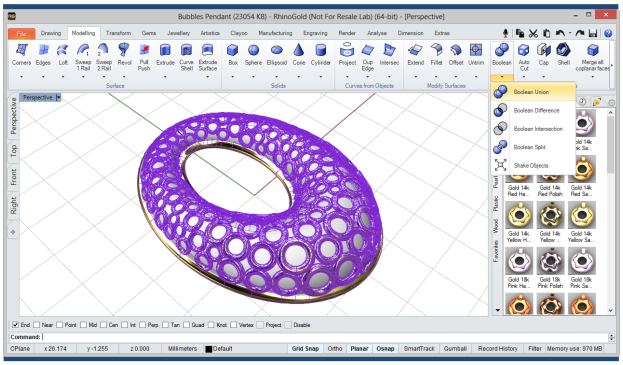
5 Torus

Under the Modeling tab with the Torus tool to define the object to multiply along the surface.



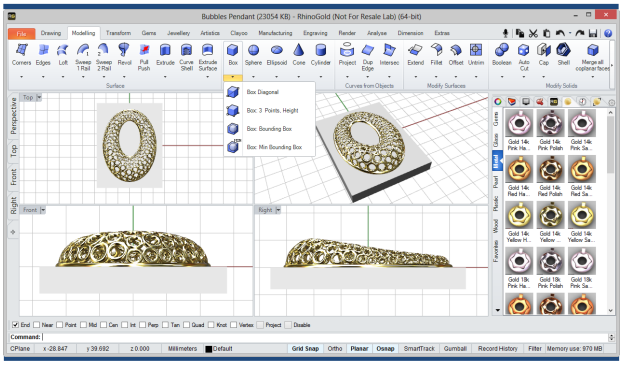
6 Splop

Select the object created in the previous step and under the Transform Tab with the Splop tool we can define all the parameters for multiplication along the Surface. In this case it's important that all the objects be in touch with each other.



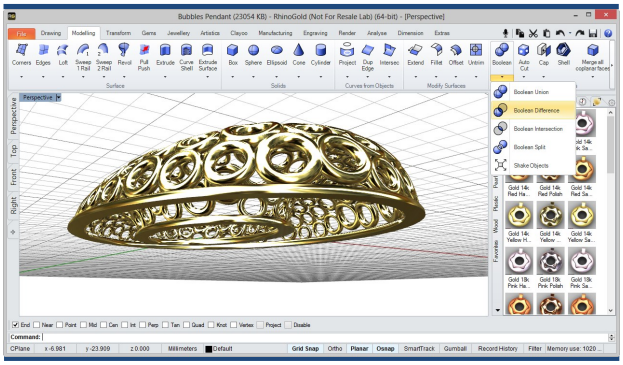
7 Boolean Union

With the Boolean Union tool under the Modeling tab unite all the elements into a single solid.



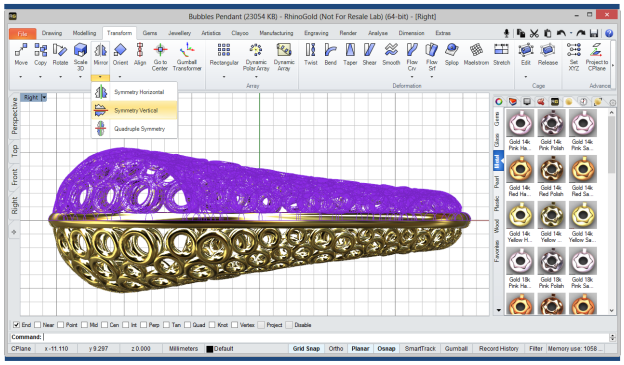
8 Box

Now, still under the Modeling tab use the Box tool to create a cutting box as the above image.



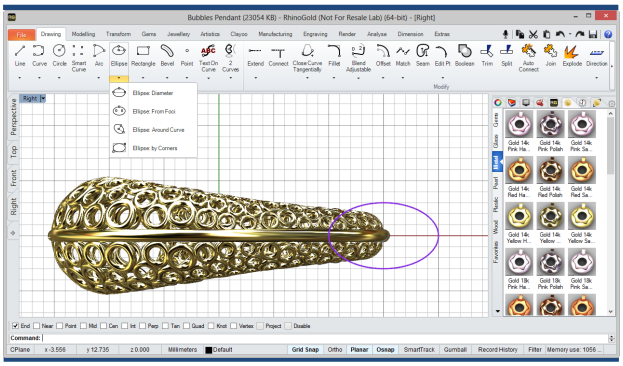
9 Boolean Difference

Then, still under the Modeling tab with the Boolean Difference tool, remove the box from the pendant as shown in the image above.



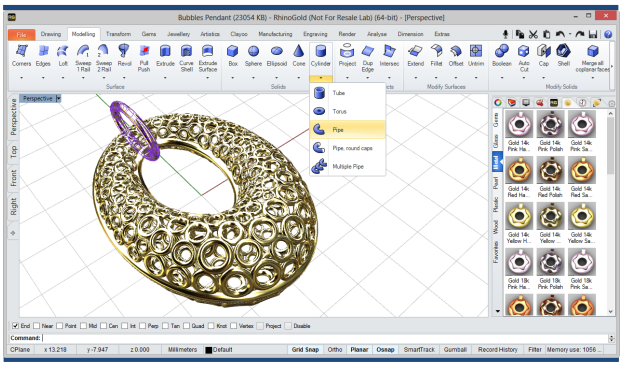
10 Mirror: Symmetry Vertical

With the Symmetry Vertical tool under the Transform tab in the right view we can create a mirror onto the bottom side.



11 Ellipse

Under the Drawing tab with the Ellipse tool in the right view create the pendant bail curve.



12 Pipe

Finally, under the Modeling Tab with the Pipe tool define the pendant bail around the ellipse created before.