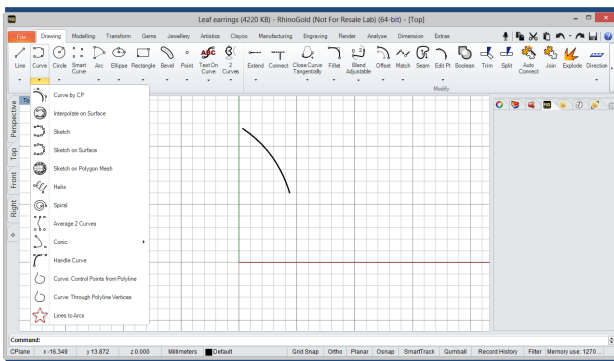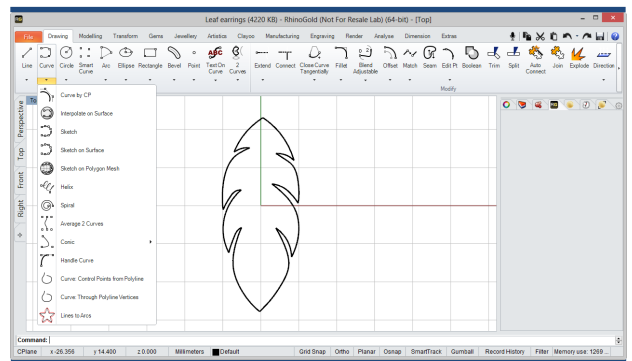# RhinoGold®

Leaf Earrings

In this tutorial we will try out some of the most useful commands in RhinoGold. Powerful tools such as Gems by Curve, Dynamic Profile, Prongs in Line and Bend.
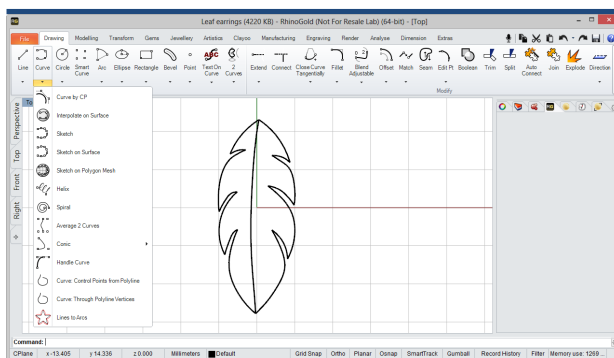

1 **Curve**

Under the Drawing tab, using the Curve tool, create the first half of the leaf shape using multiple curves.
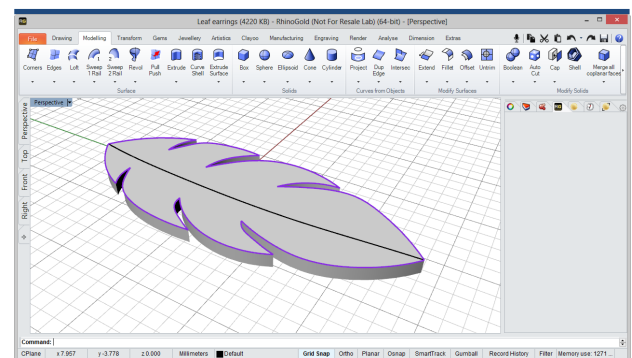

2 **Curve**

Now repeat the process, using the Curve tool under the Drawing tab in the top view, onto the other side to complete the leaf shape

3 **Curve**

Now, it's time to define the central part of the leaf, for this, once again use the Curve tool under the Modelling tab.

4 **Extrude**

Then, we can create a solid from the leaf shape curves,. To do this use the Extrude tool under the Modeling tab, in this case extruding down to give a 1mm thickness.

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5 Dynamic Profile

Now, we can use the Dynamic Pofile tool under the Jewelry tab to create a profile to apply along the central curve.

6 Boolean Union

We can then use the Boolean Union tool under the Modeling Tab to unite both parts into a single object as shown in the image above.

7 Bend

In the front view with the Bend tool, under the Transform tab we can adjust the leaf shape as seen in the above image. It's important to activate the symmetry option in the command line.

8 Extract Isocurves

Back to the Modeling tab with the Extract Isocurves tool we can get the central curve from the surface created in step 5. It's important to activate the Mid option under the Osnap.


9 Gems by Curve

We can apply gems along the curve, for this, under the Gems tab use the Gems by Curve tool, in this case with 20 x 1.10mm gems.

10 Prongs in Line

Now we should create the prongs to support the gems, for this, use the Prongs In Line Tool under the Jewellery tab and define the intended parameters. We can then use the Prong Editor tool to adjust some parameters if need be.
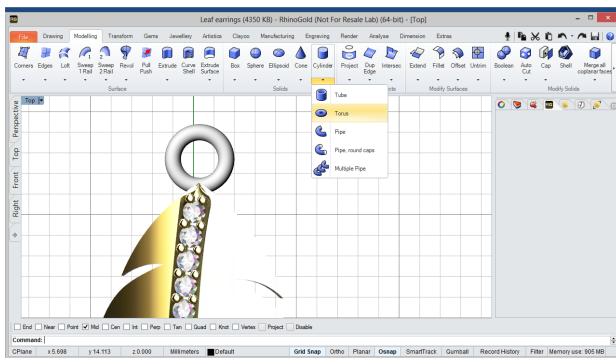
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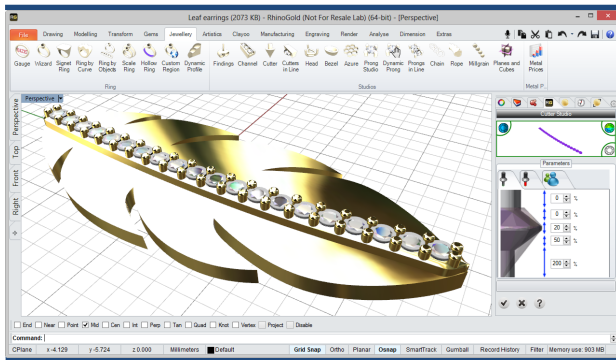
11 Cutter Studio

Under the Jewelry Tab with the Cutter Studio tool define all of the parameters of the cutters that will be applied onto the gems as the above image.
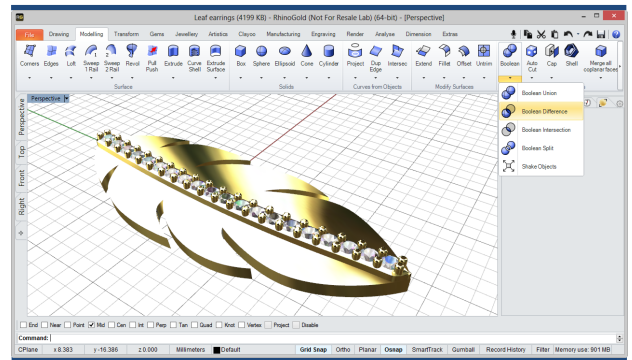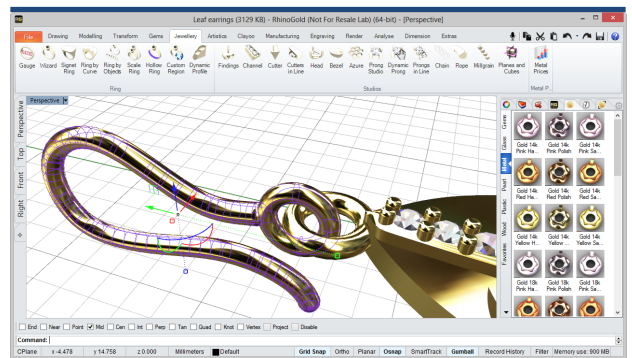
12 Boolean difference

With the Boolean Difference tool under the Modeling Tab remove all of the Cutters on the leaf earring.

13 Torus / Boolean Union

Now, in the top view, with the Torus tool under the Modeling tab define a shape to support the earrings wire. Then, with the Boolean Union tool under the Modeling tab unite all the metal parts into a single object

14 Findings

Lastly under the Jewelry tab with the Findings tool define the earrings wire. We can activate the Gumball transformer to adjust the positions and measurements, as shown in the image above.

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