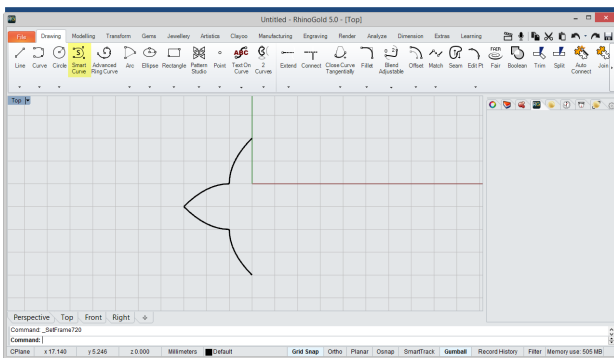


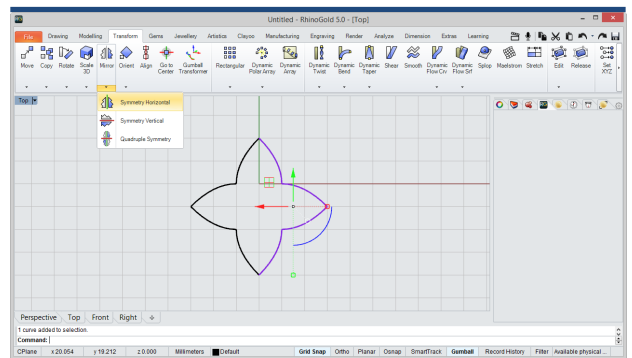
Flower Knot Ring

In this tutorial we will use RhinoGold tools such as Smart Curve, Advanced Ring Curve, Offset, Extract Surface, Gems by 2 curves.



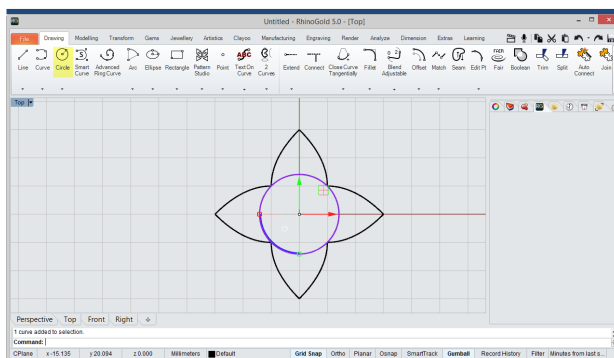
1 Smart Curve

First, we'll go to the Drawing tab and select the Smart curve tool and define a similar curve to the image.



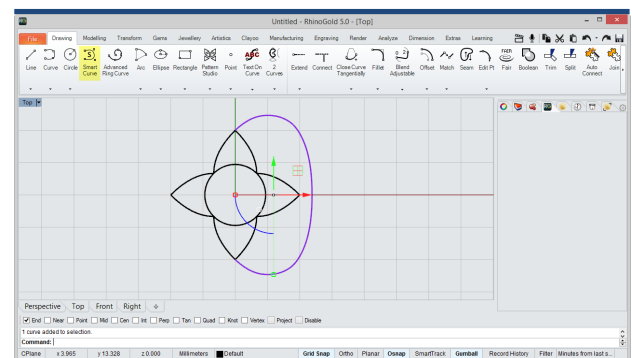
2 Symmetry Horizontal/Join

Now, we'll apply a symmetry to the curve with the Symmetry Horizontal tool and will unite the two curves with the Join tool.



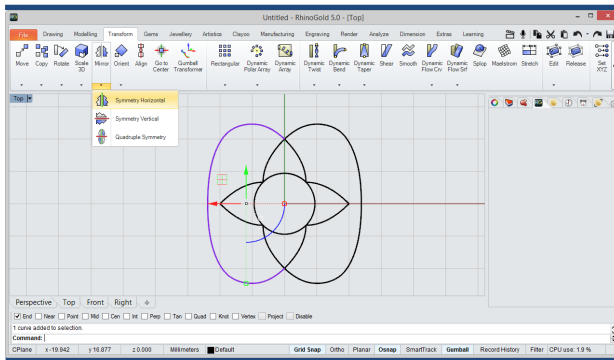
3 Circle

Then, we'll trace a similar inside curve to the picture with the Circle tool.



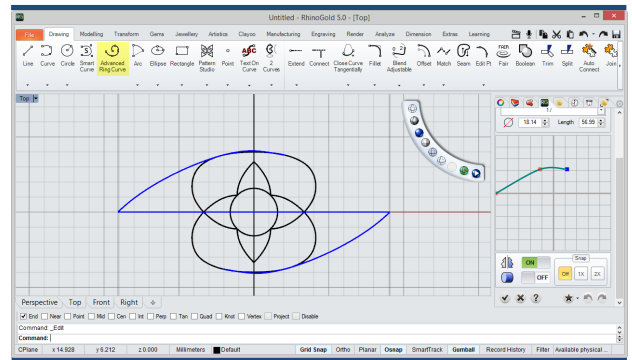
4 Smart Curve

Next, we'll continue with the Smart Curve tool and will trace a similar curve to the picture.



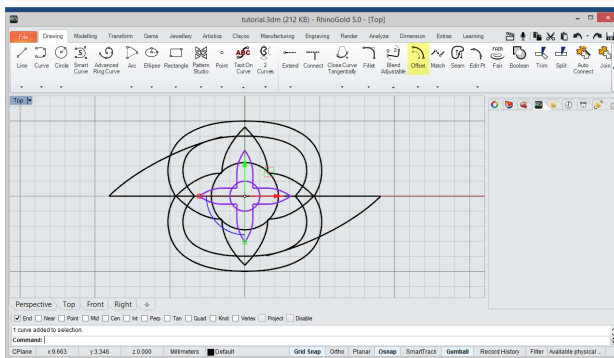
5 Symmetry Horizontal

Now, we'll repeat the operation applying a Symmetry and unite the curves again, with the Join tool.



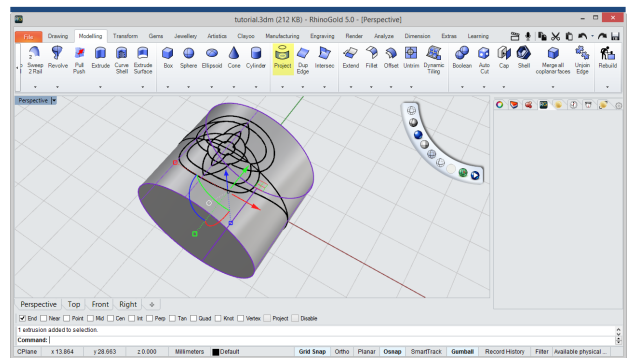
6 Advanced Ring curve

Then, we'll select the Advanced Ring Curve tool in the Drawing tab and define a curve, respecting the parameters of the tool that shown in the image, with the option of generating cylinder activated.



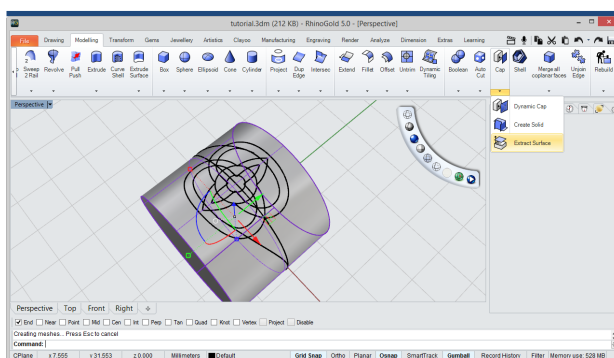
7 Offset

Then, we'll select the Offset tool, in the Drawing tab and apply a 1mm offset on all curves, less advanced curve.



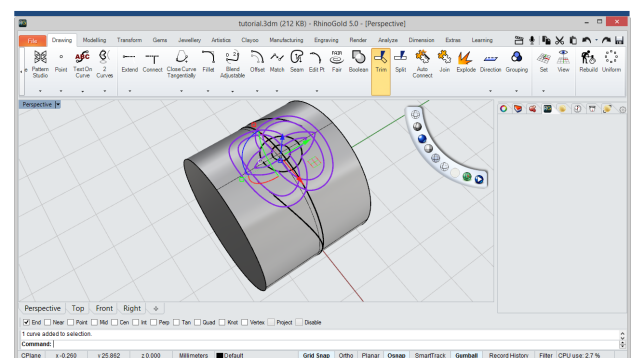
8 Project

Now, we'll apply the Project tool between the offset curves and cylinder.



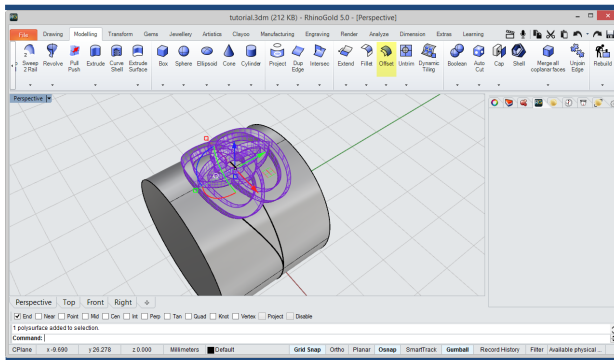
9 Extract Surface

Then, we'll go to the Modelling tab and select the Extract surface tool, in the Cap submenu and extract the cylinder surface.



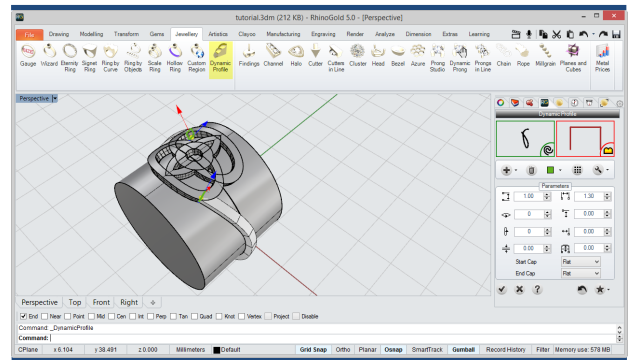
10 Trim

Now, we'll apply the Trim tool between the offset curves and the extracted surface.



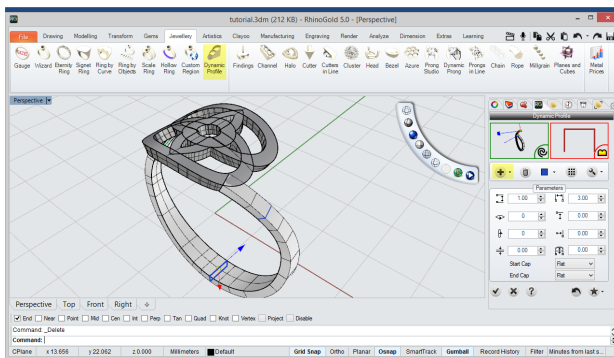
11 Offset

Then, we'll select the surfaces resulting from cuts and apply the Offset tool, in the Modeling tab, defining a 1mm height.



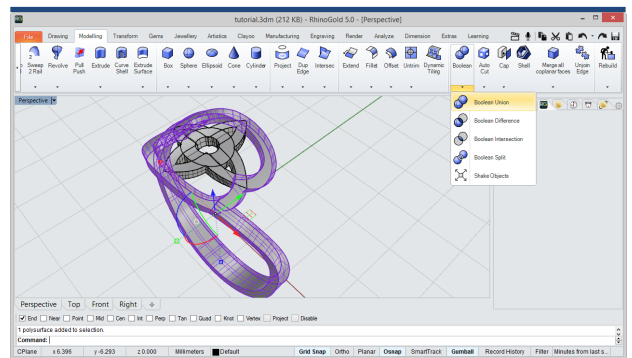
12 Dynamic Profile

In this step, select the Dynamic Profile tool, Jewellery tab and define a 1mm height by 1mm wide. Select a square profile and activate the orient by Surface option in the Settings tab of the tool.



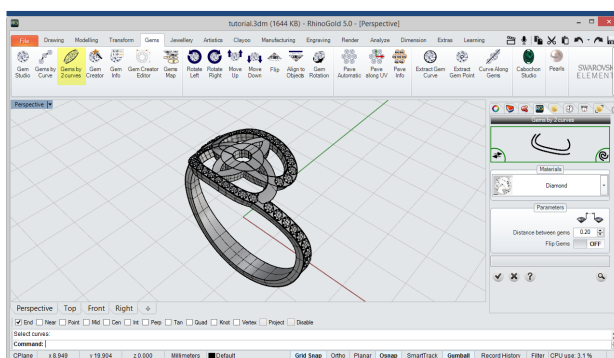
13 Add Profile

Next, in the same tool, we'll add a new profile in the bottom center and define a width of 3mm.



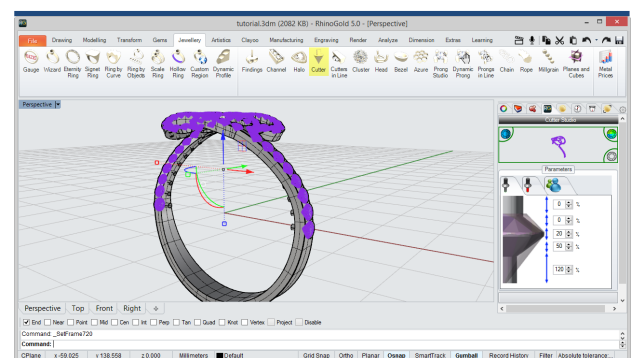
14 Boolean Union

Now, apply a Boolean Union between the ring and the offset surface.



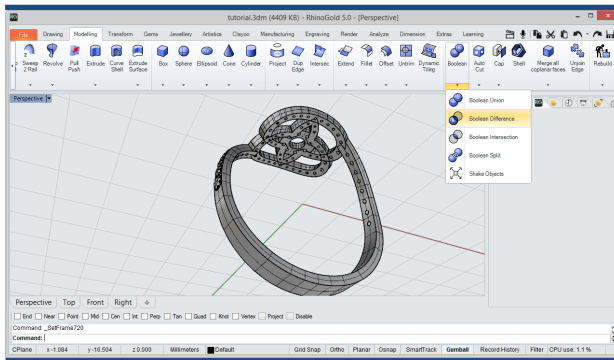
15 Gems by 2 curves

Then, select the Gems 2 curves tool, in the Gems tab and apply gems along the surface of the ring.



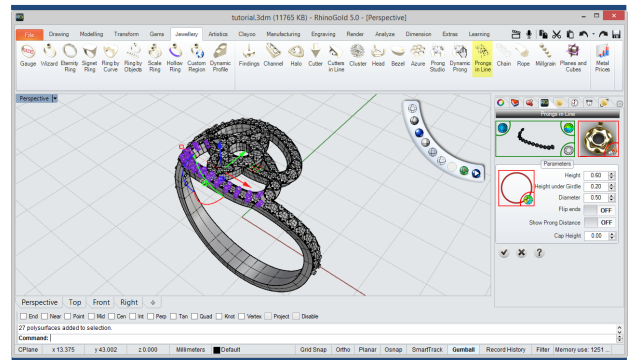
16 Cutters

In this step, define the cutters to the gems, always checking that the cutters exceed the surface.



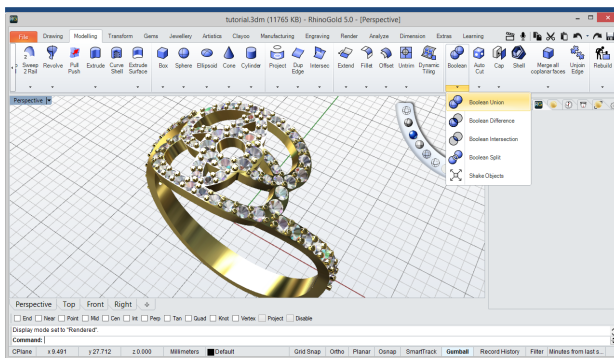
17 Boolean Difference

Now, we'll apply a Boolean Difference to the Cutters to subtract from the solid surface.



18 Prongs in Line

Next, define the prongs to the gems with Prongs in Line tool, in the Jewellery tab.



19 Boolean Union

Finally join all solids with a Boolean Union.