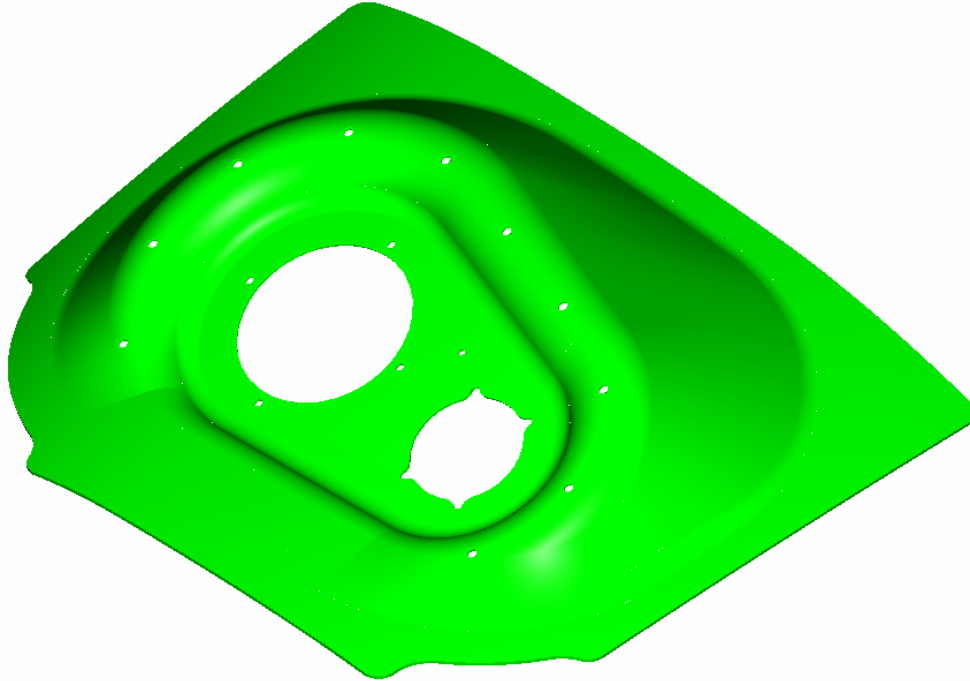


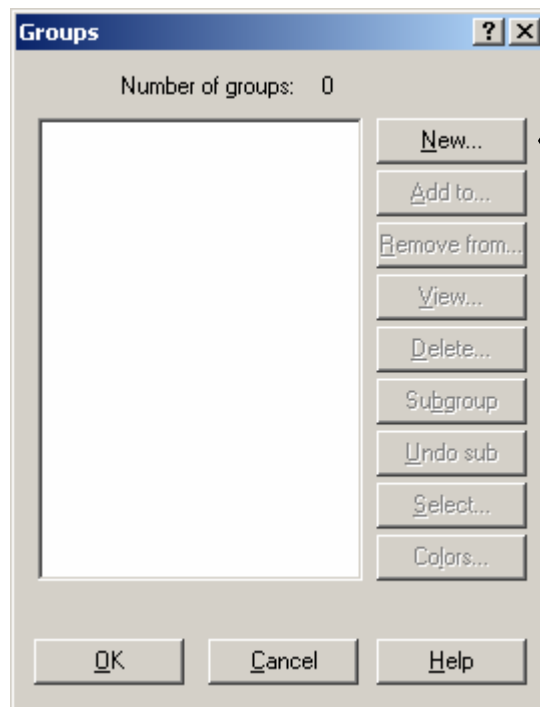
Verisurf Exercise 6 – Model Based Definition

This exercise will teach the student two types of operations; groups and MDB.

1. Open Verisurf/MDB_GROUPS.MC9

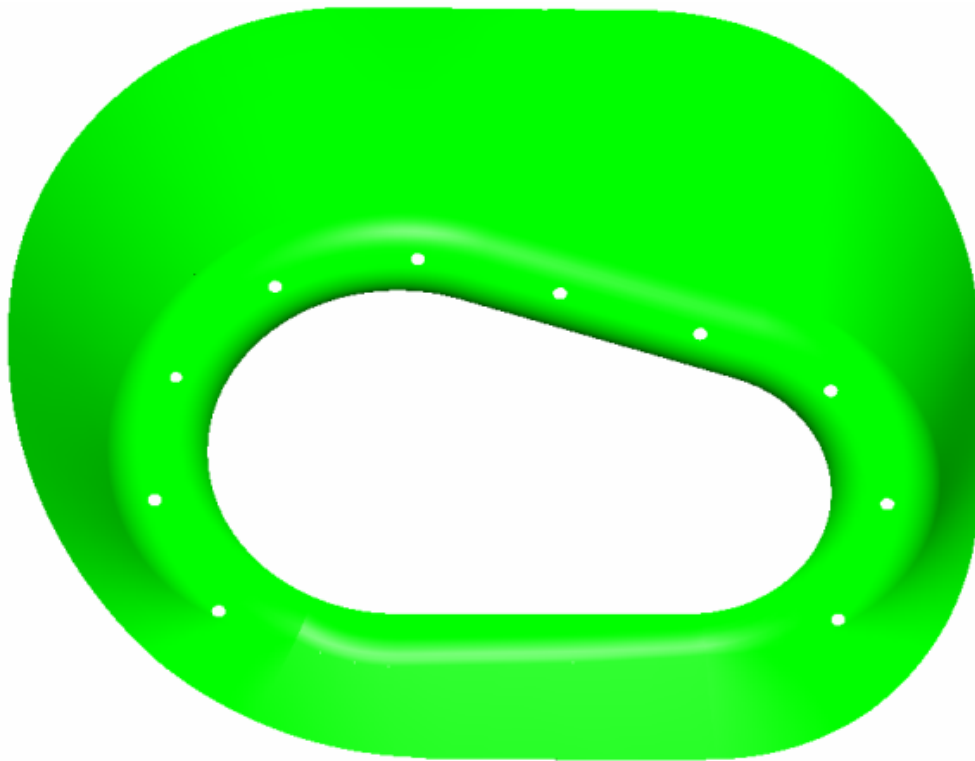


2. Secondary menu and Groups. Choose New...

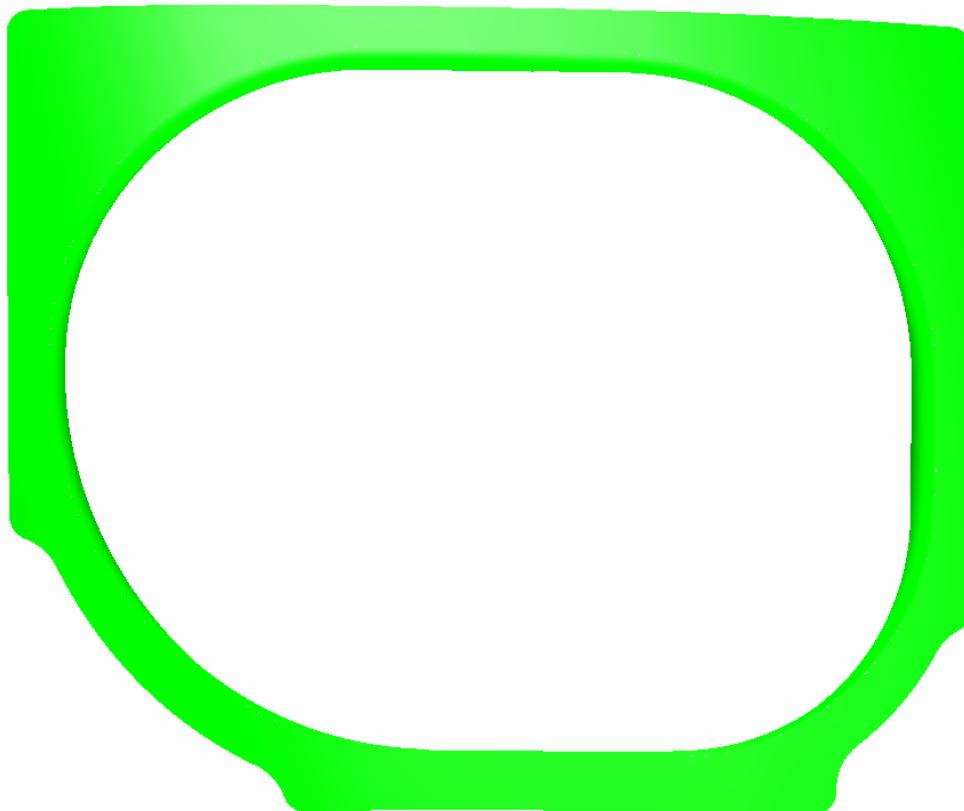


3. Input the name "Contour" and select all surfaces that make up the contour.

Verisurf Exercise 6 – Model Based Definition

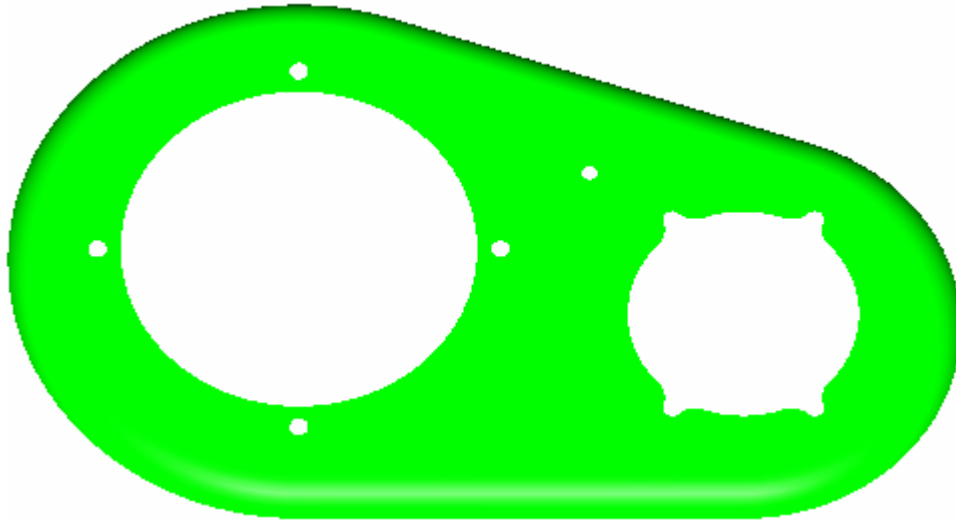


4. The next group to create is the outer surfaces.

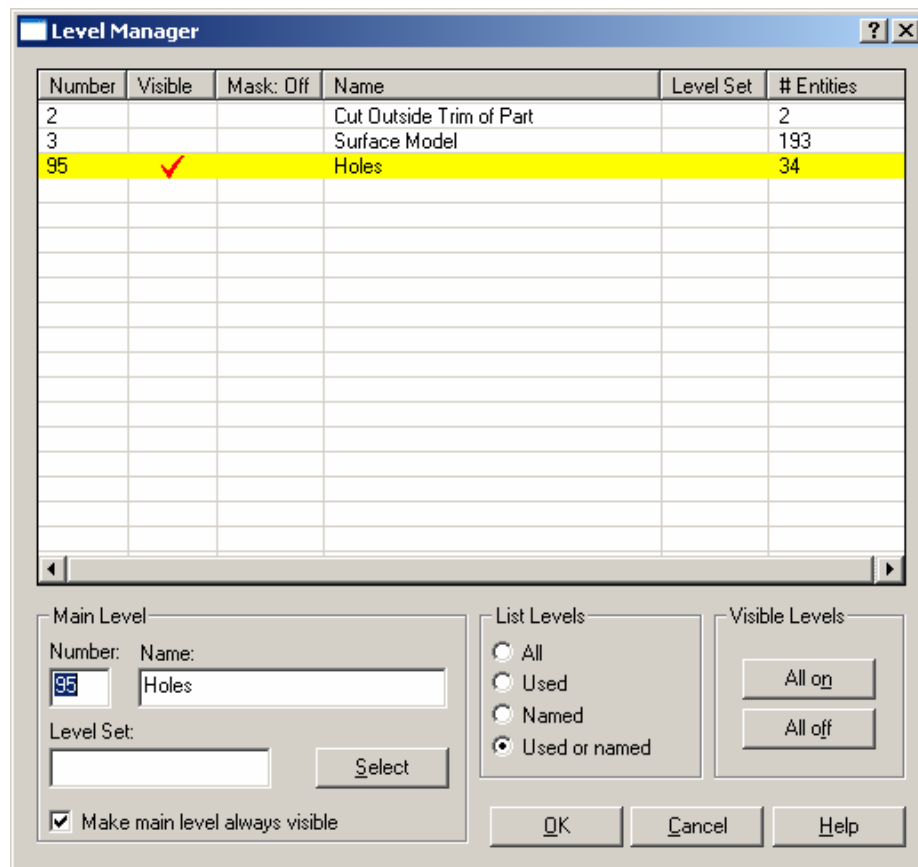


Verisurf Exercise 6 – Model Based Definition

5. The inner surfaces should be your 3rd group.

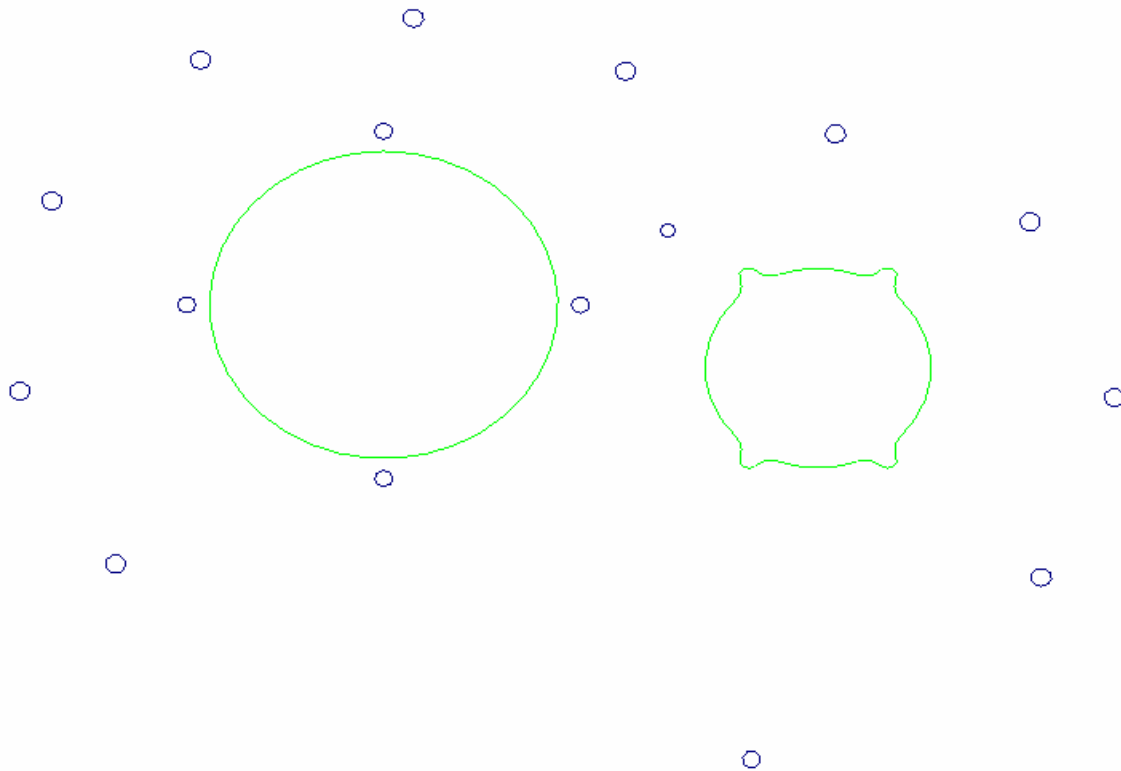


6. The last group to create will be all the smaller holes. To do this some level management will have to be done. Make Layer 95 active and visible. Turn off all other layers.

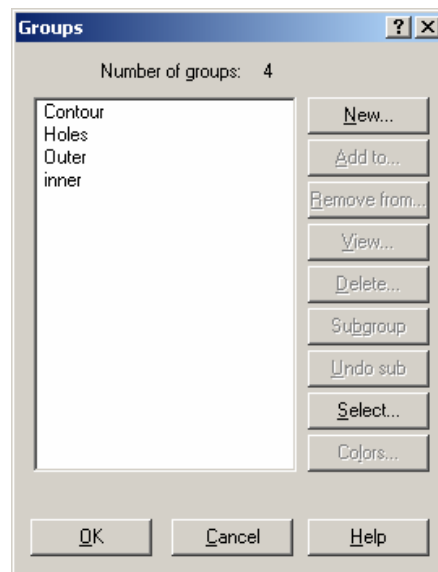


Verisurf Exercise 6 – Model Based Definition

7. Choose groups again and New... Name this group Holes and gather the small holes.

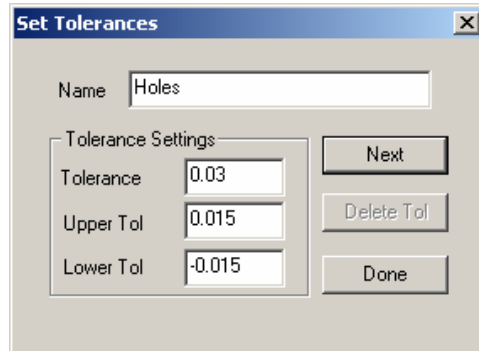


8. Your Group menu should look similar to this.

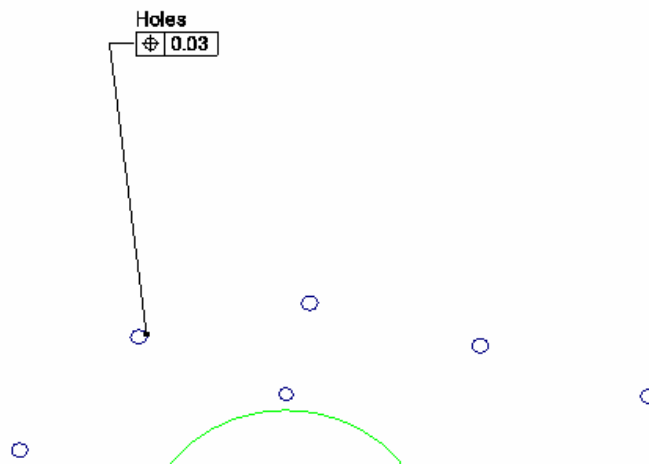


Verisurf Exercise 6 – Model Based Definition

9. We will now apply MBD to the holes. Go to Main Menu > Verisurf > Tools > MBD > Select. Choose one of the holes in the group Holes. This will bring up the screen below. Change the tolerance to .030 and choose next.



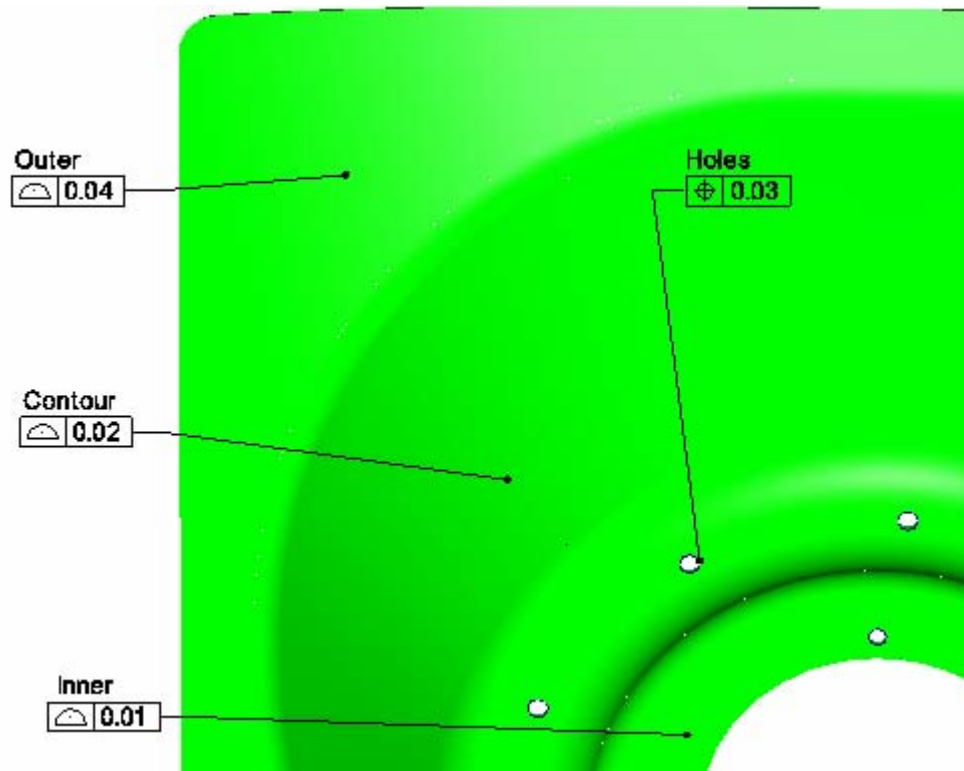
10. Change the tolerance to .030 and choose next. The MBD will be attached to the cursor and will need you to place it somewhere.



11. Turn level 3 back on so that the surfaces are available to select again.

Verisurf Exercise 6 – Model Based Definition

12. Select the other 3 groups and tolerance them as shown.



13. Choose MAIN MENU > VERISURF > REPORTS > Read REF and load MDB_GROUPS.CSV which contains random points on the profile surfaces.

14. Analyze and report to show that the different tolerances are being used.