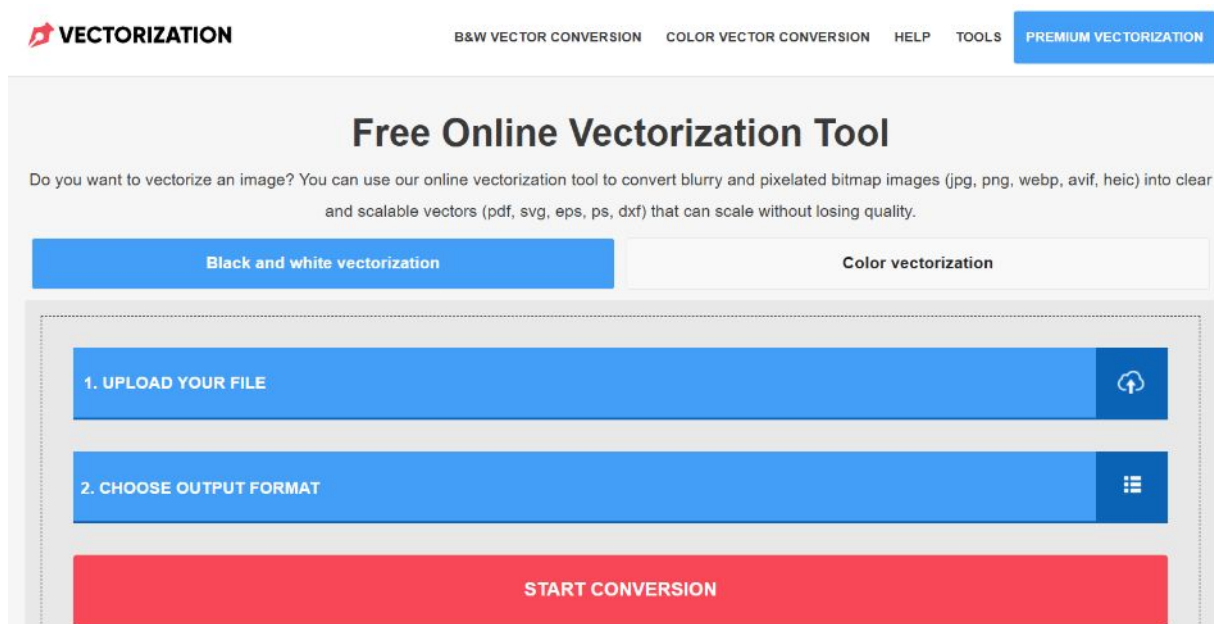


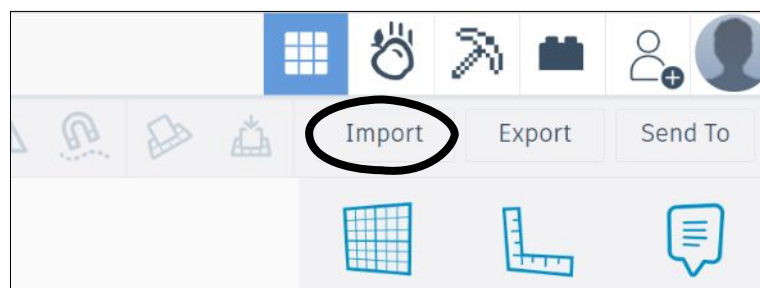
1. Create any text in text editor or in *Zoner Callisto 5 free* or other vector editor.
 - You can download and install some interesting font from <https://www.1001freefonts.com/>.
 - In case you have used text editor make printscreen of text and then open it in tool Painting (part of Windows) and save as jpg file.
 - In case you have used some vector editor you can directly export it as jpg file.
 - For example:



2. Then you have to vectorize the text to be used for 3D model:
 - You can use some online tools, for example <https://vectorization.eu/>.

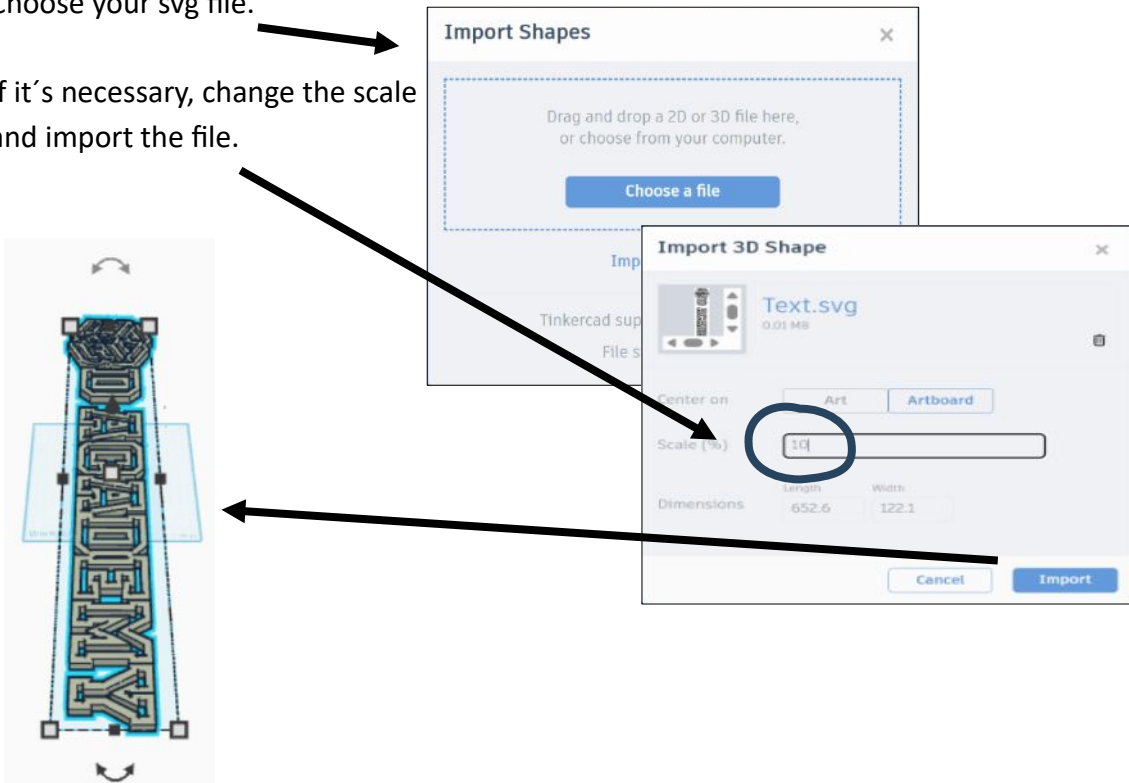


- Upload your jpg file
 - Choose output format – SVG
 - Start conversion
 - Download your file
3. Open Tinkercad, open new 3D design and click on Import button.

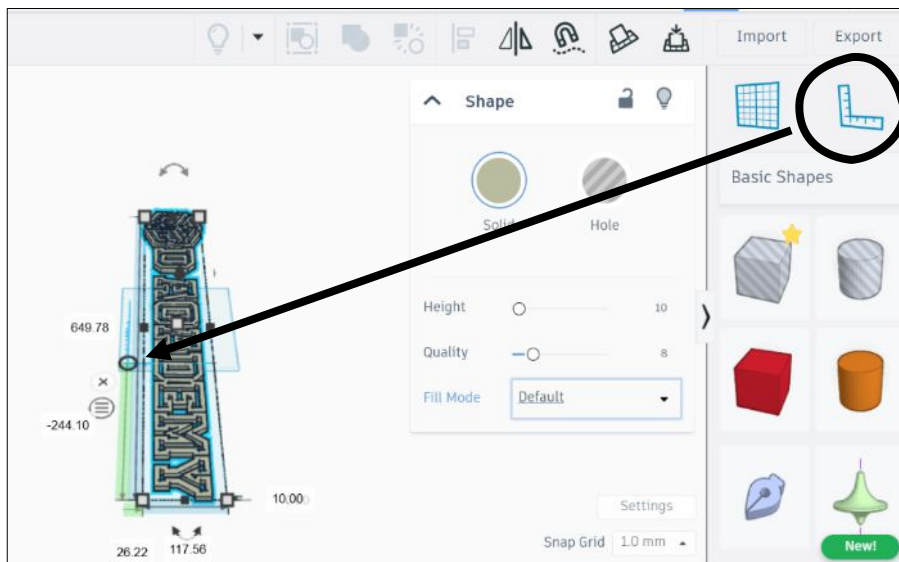


- Choose your svg file.
- If it's necessary, change the scale and import the file.

6.



- Put the tool Ruler somewhere on the workplane to see the dimensions of your shape.



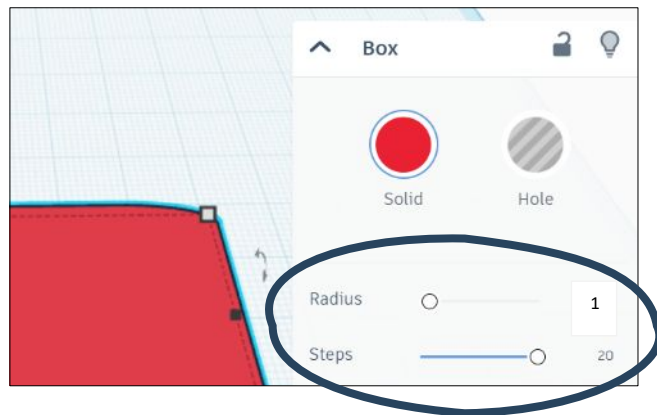
- You can rotate the shape and change dimensions to 30 x 120 mm x 4 mm.



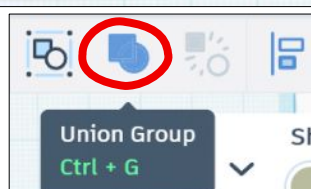
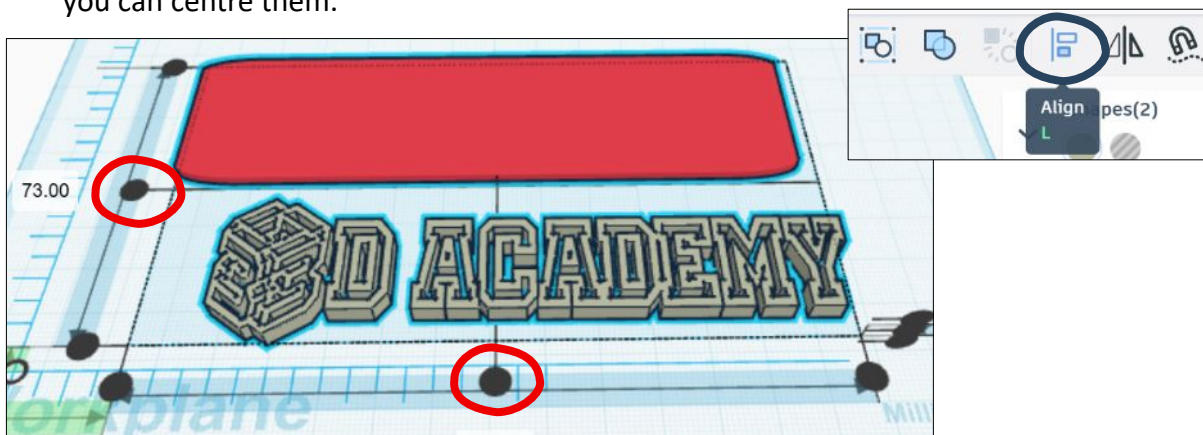
9. Put shape Box on workplane and change dimensions to 40 x 130 x 2 mm.



10. Change radius of box shape to 1 and steps to 20 to create rounded corners.



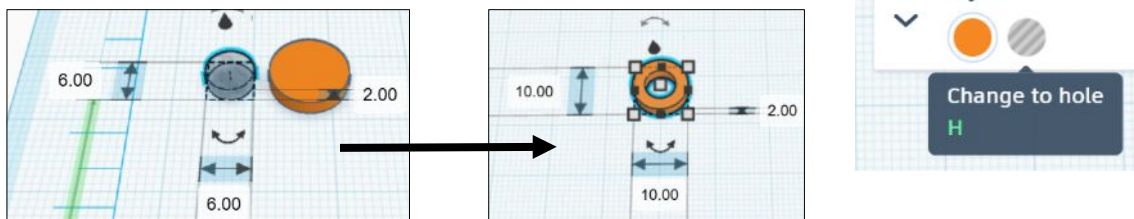
11. Using Ctrl + A you can select both shapes (text and box) and after click on Align button you can centre them.



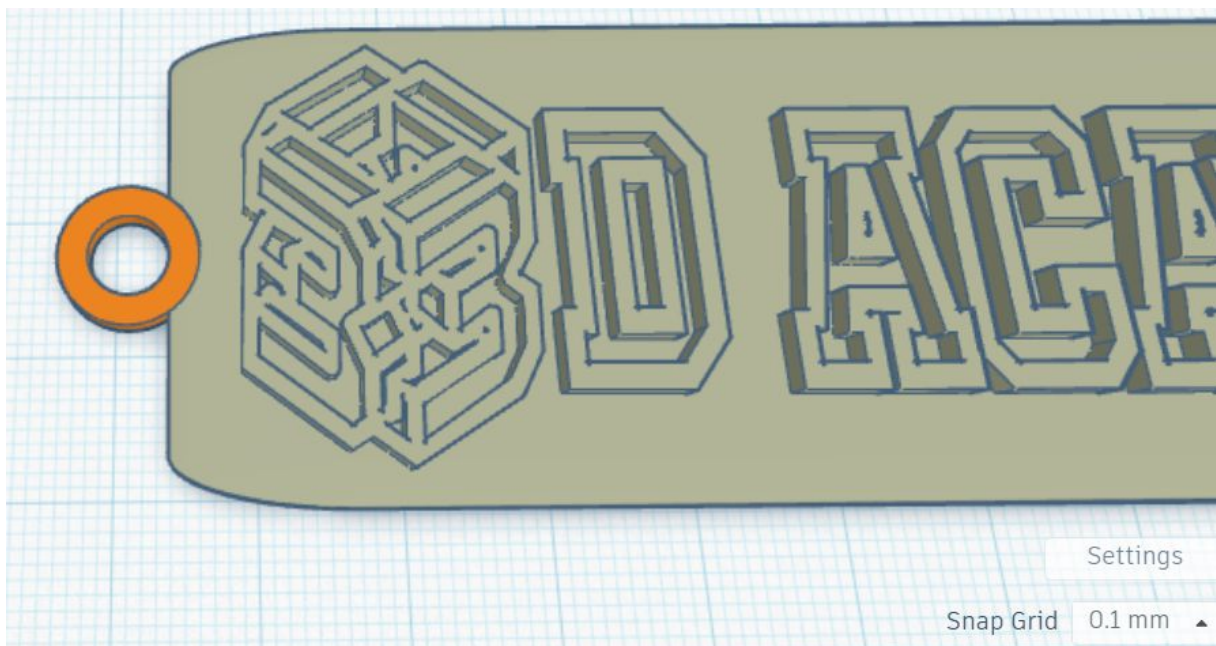
12. Click on Group button.

13. Put 2 cylinders shapes to workplane.

- First cylinder - change dimensions to 10 x 10 x 2 mm.
- Second cylinder - change dimensions to 6 x 6 x 2 mm and change to hole.
- Centre and group both cylinders to create the ring.



14. Select the ring and text shape and centre it:



- You can change the Snap Grid to 0,1 mm to place the ring more precisely.



15. Again, group all shapes to create the final shape – key chain with your distinctive text and shape.





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