



## Customizable Engraved Rings



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### Summary

This is an OpenSCAD customizer for creating an engraved ring.

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### Customizable Engraved Rings

This is an OpenSCAD customizer for creating an engraved ring. Specify the inner diameter, the width and the thickness of the ring. It can be sized large enough to make a bracelet. Add text inside, outside, or both. Choose from 20 pre-selected fonts or enter your own. The fonts are shown in the center area of the first image, as a guide to help you choose a font that you like.

There are two sample STLs included: one with a very large and a very small ring demonstrating the size variance, and one with "♥ My Love ♥ Forever ♥" inscribed on the inside demonstrating that special characters can be printed.

You can consult the [International Ring Size Conversion Chart](#) if you know your ring size and need to convert it to millimetres.

Note that although the text spacing is a parameter that you can set, it is automatically increased above the set value so that exactly an integral number of characters fit around the perimeter. So as the text spacing is increased or decreased, you won't notice any difference until one less or one more character can fit with the specified text spacing.

## Running the Customizer

This download includes a .SCAD file to create customized 3D printable models. By setting some simple parameters from drop-down boxes and sliders you can easily create your own customized model.

You will have to first install OpenSCAD (free software) on your own computer to process the .SCAD file and present the customizer parameters. [Download OpenSCAD](#) and get started. For further details on running the customizer see DrLex's instructions on [How to Run Customizer on Your Own Computer](#).

## Setting Fonts in the Customizer

You can use any font available on your system. The OpenSCAD "Help=>Font List" menu item shows what fonts are available. If you specify a font that is not available it will use the OpenSCAD default font, which is Liberation Sans. Most of the fonts listed in the drop-down selection for this thing can be downloaded from the [Google Fonts repository](#).

The default font is available at: <https://fonts.google.com/specimen/Roboto>

To make a font available to OpenSCAD you have three options:

- Install the font to the system. The procedure for installing system fonts is dependent on what operating system and what version you are using (Ubuntu Linux 16.01, Ubuntu Linux 20.04, Windows 7, Windows 10, Mac OS 9, Mac OS X, etc. ). If you don't know how to install a font on your system then search the web for instructions.
- Add the font file to your fonts folder, creating the folder if it doesn't already exist. On Linux this would be something like "/home/YOURUSERNAME/.fonts" and on Windows 10 it would be something like "C:/Users/YOURUSERNAME/.fonts".
- Add the font to the folder that contains the OpenSCAD file that you want to use the fonts. You will also have to add to the OpenSCAD file the 'use <fontname.ttf>' command substituting the filename of the font for "fontname.ttf".

Close OpenSCAD if it was open while you were making the font available and then relaunch it after you have installed/added the font.

For additional details, see the Using Fonts and Styles section on the following page:

[https://en.m.wikibooks.org/wiki/OpenSCAD\\_User\\_Manual/Text](https://en.m.wikibooks.org/wiki/OpenSCAD_User_Manual/Text)

### Alternative to Installing OpenSCAD on Your Computer

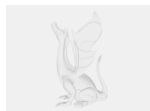
This model is also [published on the Thingiverse web site](#) and the Thingiverse online customizer may be used to create your personalized models.

Beware that the Thingiverse web site has been an unstable disaster since March 2020 and they weren't even processing their customizer jobs for over 2 years (July 10, 2020 to August 4, 2022). If you try to use it and your job is still sitting in the queue after several minutes, that probably means they stopped creating the customizer models again and your job is never going to be processed. It might be only a temporary stoppage so you could hope for the best and try again later.

## Model files



**engravedring-v1p2.scad**



**engravedring-v1p0.scad**



**engravedring-tinyandlarge.stl**



**engravedring-myloveforever.stl**

[Find source .stl files on Thingiverse.com](#)

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