

Gridfinity OpenSCAD Model



VIEW IN BROWSER

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Summary

Attempt at recreating Zack Freedman's awesome Gridfinity system using OpenSCAD, with some additional options and models.

<u>Hobby & Makers</u> > <u>Organizers</u>

Tags: openscad gridfinity

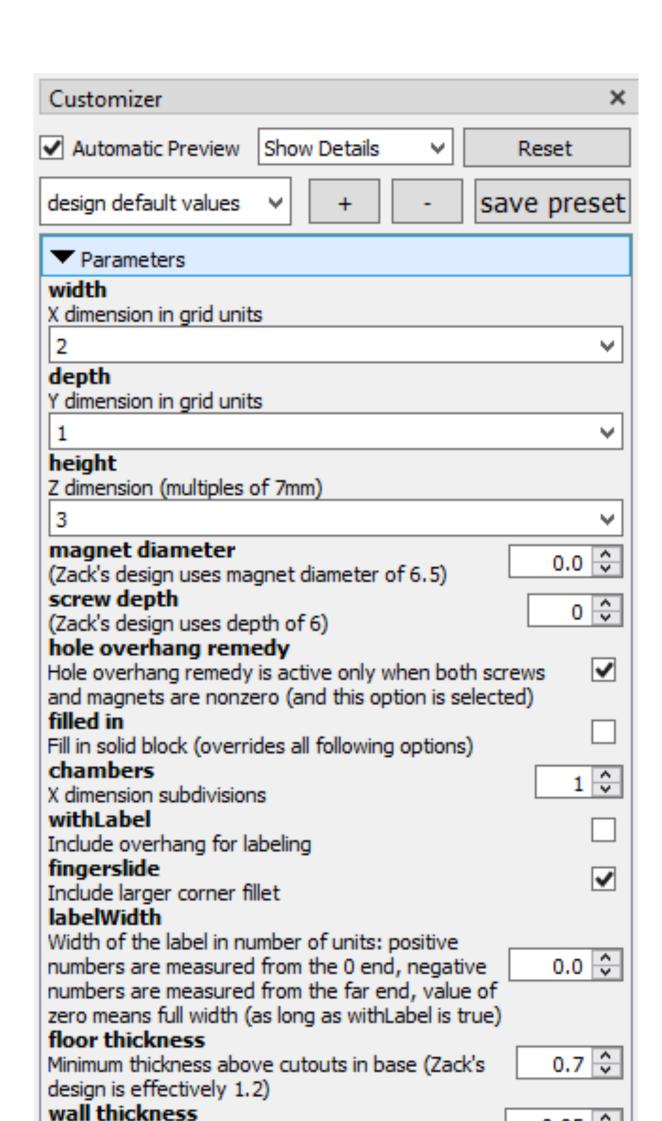
This is a recreation of Zack Freedman's gridfinity system in OpenSCAD, intended for both experienced OpenSCAD users to customize with added features, and also less-experienced OpenSCAD users to customize via options offered in the customizer.

The fit-related dimensions are intended to match Zack's original design exactly.

Options for bins:

- Screw holes are optional, or alternative lengths can be specified
- Magnet pockets are optional, or alternative diameters can be specified
- User-selectable wall thickness and floor thickness
- Generate a filled-in block as a starting point for generating other models (similar in spirit to this)
- Any number of subdivisions along X axis (only X subdivisions and only evenly spaced divisions are implemented)

- Finger-slide for removing small parts, available as an option
- Label feature available as an option
- Label feature can cover entire X length or only part
- Magnet/screw hole can have printable overhangs as an option (if screw holes and magnet pockets are both used) (similar in spirit to this)
- Option for material-efficient floor that is not flat but saves material/ time (similar in spirit to this)
- Fractional-width bins (0.5 units) supported (similar in spirit to this)
- Option to remove inner lip (thanks to MakerMe for suggestion)



Some other models are also included and are also parametric. Not all of these will be interesting to most people. Some of them are cosntructions for my own personal use.

- Gridfinity base options
 - Base (just frame)
 - Weighted base includes space for weights and/or screws or magnets
 - Lid/base combination can stack on top of bins and provides base for stacking on top (e.g. for stacking a 1x1 on top of a 3x3)
- Glue stick holder
- Socket holder
- Gridfinity base for Flsun Q5
- Silverware drawer

The included STL files are mainly examples. There are too many combinations, and I prefer not to spam with too many files. In other words, I am expecting you will use the OpenSCAD models to generate the dimensions you want.

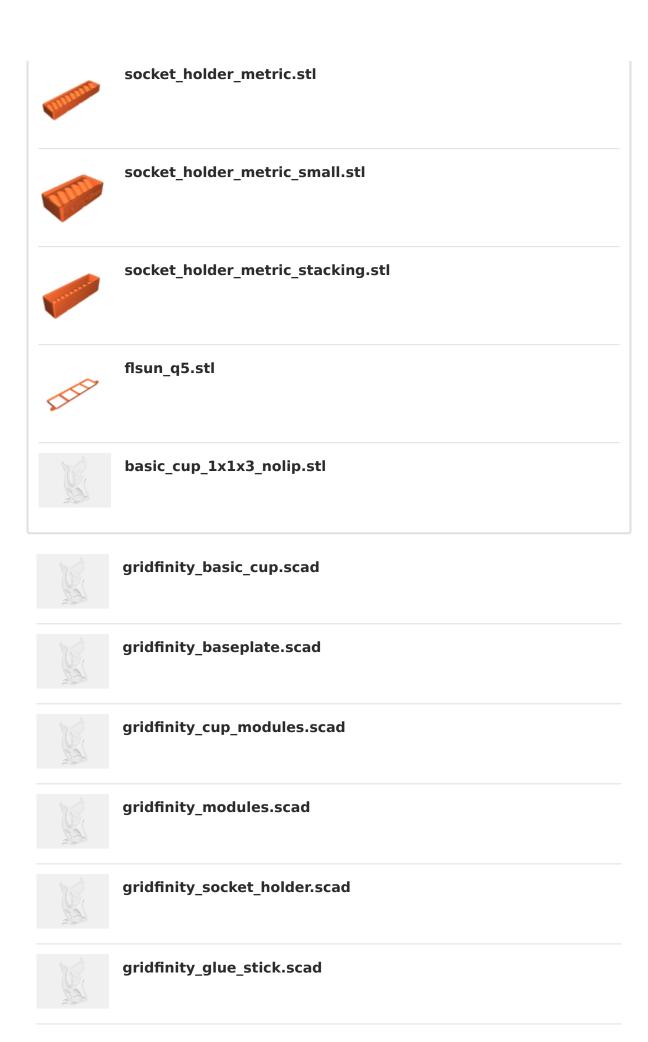
To keep track of my work I'm also keeping this on GitHub: https://github.com/vector76/gridfinity openscad

Special thanks to Zack Freedman, and to contributors on GitHub who are adding models and providing comments!

Model files







gridfinity_flsun_q5.scad



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