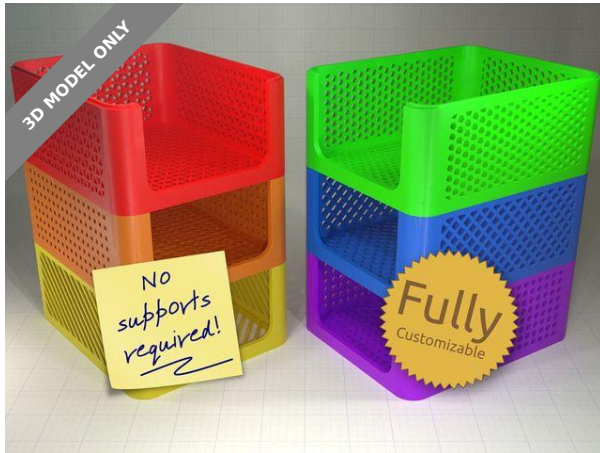




Stackable Storage Caddies



Code and Make

[VIEW IN BROWSER](#)

updated 5. 8. 2022 | published 5. 8. 2022

Summary

Our fully customizable stackable storage caddies are perfect for storing individually packaged 'grab and go' items...

[Household](#) > [Office](#)

Tags: [caddy](#) [customizable](#) [customized](#) [lid](#) [parametric](#)
[pattern](#) [stackable](#) [storage](#) [storagebox](#) [storagecontainer](#)

Our fully customizable stackable storage caddies are perfect for storing individually packaged 'grab and go' items like breakfast bars, confectionery and tea bags.

Perfect for the office or home.

You can customize everything from the dimensions to the pattern. It even includes a lid!

This design is ***completely free*** and shared under a permissive license. Your **support** is hugely appreciated.

Did you know?

Some of our designs cannot be found on Thingiverse. If you are looking for more, check out our premium projects:

<https://codeandmake.com/premium>

OpenSCAD Customizer Options

We recommend you use [OpenSCAD](#) or [Models @ MakeWithTech](#) to customize this design.

This design has the following Customizer options:

General

- Part - Part to display
- Inside_Length - Inner length
- Inside_Width - Inner width
- Inside_Height - Inner height
- Inside_Corner_Radius - Inner corner radius
- Front - Front type
- Bottom - Bottom type
- Sides - Side type
- Rear - Rear type
- Material_Thickness - Thickness of the walls and base

Cutout

- Front_Cutout_Width_Percent - Width of front cutout as a percentage
- Front_Cutout_Height_Percent - Width of front cutout as a percentage

Lip

- Lip - Should a lip and lip recess be added
- Lip_Gap - Gap between the lip and the recess

Pattern

- Pattern_Type - Type of pattern
- Pattern_Padding - Amount of padding around the pattern
- Pattern_Width - The width of the pattern elements
- Pattern_Material_Thickness - Minimum pattern material thickness

Preview

- Split_Parts_In_Preview - Amount to split the parts (preview only)

Design Considerations

For the most part, this project is designed to be printed without the need for supports. However, some patterns (such as 'Hole', 'Lines' and 'Hearts') may not print on vertical surfaces without supports.

Following feedback that some users had issues stacking the caddies, the default Lip_Gap size has been increased to 0.6mm in version 1.4. Additionally, corner section options have been added to the Parts list, to allow for testing of your chosen Lip_Gap value.

Some users have reported experiencing issues with 'elephant's foot', which results from their 3D printer not printing the lip recess at the expected width. This can prevent the caddies from being stacked. It may be possible to rectify this using sandpaper or a file to remove the elephant's foot, but we suggest reading [this guide](#) for some suggestions on how to prevent the issue. Alternatively, you can attempt to work around the issue by printing the caddy with a 'raft' and/or by increasing the Lip_Gap value.

Material

This design is perfect for printing in many filaments, including PLA, PETG and ABS.

Versions

- 1.0 (20 Jul 2022) - Initial version
- 1.1 (20 Jul 2022):
 - Removed some redundant code
 - Improved heart pattern calculation
 - Changed lid to be rotated instead of mirrored
- 1.2 (3 Aug 2022):
 - Increased minimum Material_Thickness value to 2.5mm to ensure height of lip doesn't exceed height of recess
 - Increased minimum Lip_Gap to 0.1mm
 - Added model dimensions to console output
- 1.3 (4 Aug 2022):
 - Improved lip recess height calculation
 - Fixed issue with lip recess height for Material_Thickness values that were lower than the default value (4mm)
 - Added Container Corner Section and Lid Corner Section to list of Parts to allow for testing of chosen `Lip\_Gap` value
- 1.4 (5 Aug 2022):
 - Increased default Lip_Gap to 0.6mm

Printing

Recommended slicer settings:

- Resolution: 0.1mm - 0.2mm
- Infill: ~20%

- Supports: Generally not required. However, some patterns (such as 'Hole', 'Lines' and 'Hearts') may not print on vertical surfaces without supports.
- Rafts: Shouldn't matter, unless you experience adhesion issues or issues with [elephant's foot](#).

Attribution

This work, "Stackable Storage Caddies" was inspired by [Jaxel's Stackable Storage Caddies \(+Customizer\)](#).

Whilst some of the models included in the project may appear similar to the models from Jaxel's project, the code and files in this project do not include any of the code or files from Jaxel's project. All of the STLs in this project are original and were generated using code that was developed, in full, by Code and Make (i.e. from the .scad file included in this project).

Although we do not believe this project can strictly be considered a derivative (or 'remix' in Thingiverse parlance) of Jaxel's project, we believe it is fair and proper to give credit to Jaxel for the original design concept. For this reason, we have marked this project as a 'remix' of Jaxel's project on Thingiverse to show our appreciation.

[Stackable Storage Caddies \(+Customizer\)](#) by [Jaxel](#) is licensed under the [CC BY](#) license by [Jaxel](#).

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Note: 'BSD' license has been selected as it is the closest available option in the list.

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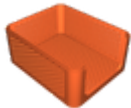
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We thank you so much for your support!

Model files



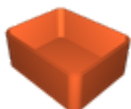
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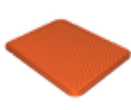
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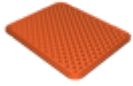
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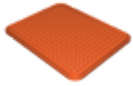
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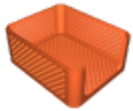
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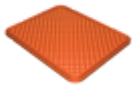
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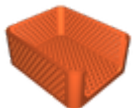
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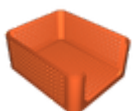
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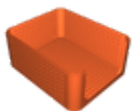
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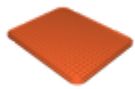
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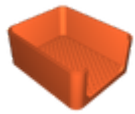
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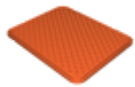
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[Find source .stl files on Thingiverse.com](https://www.thingiverse.com/thing/4588881)

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