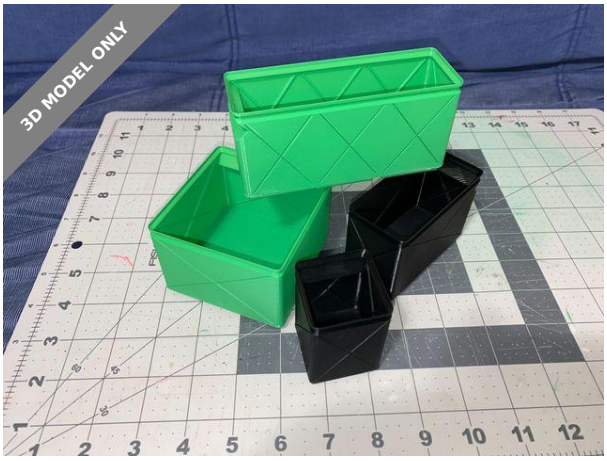

Gridfinity - Enhanced Vase Bins wth Labels (90 models)

cyron52

VIEW IN BROWSER

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Summary

Easy to print, minimal filament, structurally sound Gridfinity organizer bins with flaps for labels

Hobby & Makers > Organizers

Tags: bin gridfinity organizer vasemode

Updates

- 2023-06-09 - Fixed the 1x3x6u, 7u, and 8u bins. The stabilizer “X” were done wrong. Replaced the 1x5x7u model to the correct one.
- 2023-02-04 - Updated to the Gridfinity v5 spec which changes the bin height slightly. I'm leaving the v4 STLs available as a zip file.
- 2023-01-11 - Added 1x5, 2x5, 3x5, 4x5, and 5x5 bins for all bin heights as well as bases.
- 2023-01-02 - Added 2u and 8u bins by request.

Also see my other Gridfinity Bins:

- Vase Mode Bins (no label flaps)
- Divided Vase Mode Bins with Labels
- Divided Vase Bins (no label flaps)

Description

These minimal filament bins will give you plenty of organizing space for very little filament. A 1x1 grid, 6u bin will use just 10.6g of filament, while a 4x4 is just 120g.

- 90 vase mode bin models
- Sizes from 1x1 up to 5x5
- Heights from 3u up to 8u (6u is standard)
- 15 matching bases

These bins are based on the excellent design by Francesco Iannone. I've made a couple of significant enhancements to the design.

1. The bases now have magnets holes
2. The bases have been reoriented to print top-down which makes the top and magnet holes very clean
3. X pattern structural supports have been added to the vase mode bins which significantly increase the rigidity and strength of the bin walls. This was inspired by a design by braden.eliason.

Basics

Print the bins in 2 parts: base and the top (bin). Glue the pieces together for a very simple, bin.

Recommended slicer settings

Bins

- Vase mode
- Bottom layers: 4
- .4mm nozzle
    - Wall thickness: .8mm
    - Layer height:
        - .2mm below the label flap
        - .12mm for the label flap and upper lip
- .6mm nozzle
    - Wall thickness: 1.2mm
    - Layer height:
        - .28mm below the label flap
        - .2mm for the label flap and upper lip

Base

Print in the top-down orientation found in the STL file. This will give you a very clean top and clean magnet holes.

- ≤15% infill

TIPS

- **Faster Bases:** Adrian-CrimsonAzure pointed out that for larger bins, you can get away with printing 1x1 bases and then glue them to just the corners of your larger bins. For a 4x4 this means printing just 4 1x1 bases rather than 16 base grid. If you're short on filament or time, this is a great option.
- **Top Stability:** To make the label flap and bin lip more stable, try printing the top of the model (from where the label lip starts to the top) at a shorter layer height than the rest of the model. I go from .2 mm to .12 mm with a .4 mm nozzle. Thanks to kevman for this suggestion.
    - PrusaSlicer/SuperSlicer - Use the height range modifier to make this adjustment.
    - Cura - Try enabling Adaptive Layer Height to high quality

Files

These files were done up with Tinkercad and can be found here:

- Bases - https://www.tinkercad.com/things/gkaMZJynDus
- 2u Bins - https://www.tinkercad.com/things/cxtNueekEXY
- 3u Bins - https://www.tinkercad.com/things/fCsAtPWhJyj
- 4u Bins - https://www.tinkercad.com/things/9DzizorbNCm
- 5u Bins - https://www.tinkercad.com/things/e8SWdFWxzQj
- 6u Bins - https://www.tinkercad.com/things/goS6zgSrz1T
- 7u Bins - https://www.tinkercad.com/things/ghS8YdriJy8
- 8u Bins - https://www.tinkercad.com/things/eIeLlBTwPA0

Feel free to customize to your own needs.

This remix is based on

Vase Mode parametric gridfinity

by Francesco Iannone

Model files

Bases 30 files

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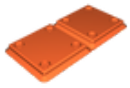

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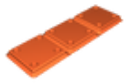

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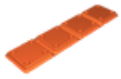

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gridfinity-1x5-base.stl

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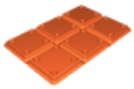

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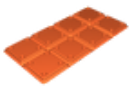

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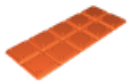

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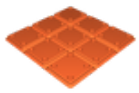

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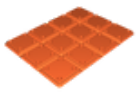

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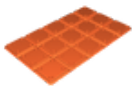

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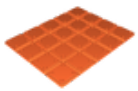

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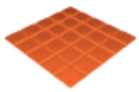

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gridfinity-1x5-base.stl

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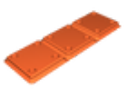

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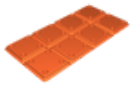

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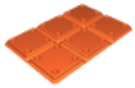

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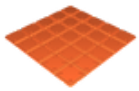

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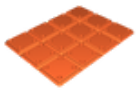

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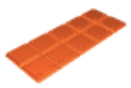

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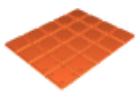

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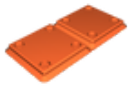

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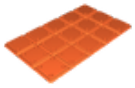

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Vase Label Bins - 3u

15 files

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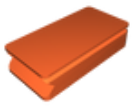

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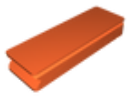

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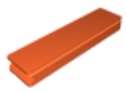

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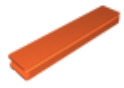

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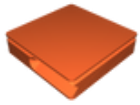

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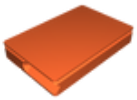

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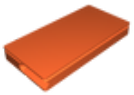

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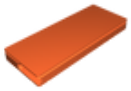

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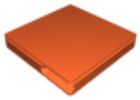

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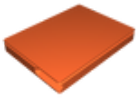

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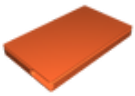

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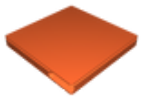

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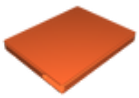

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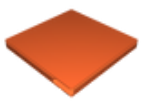

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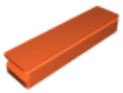
Vase Label Bins - 4u

15 files



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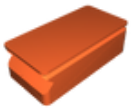

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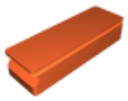

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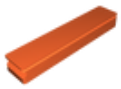

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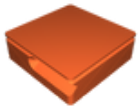

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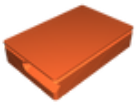

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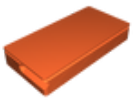

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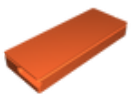

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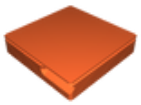

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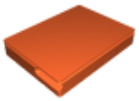

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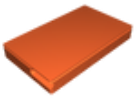

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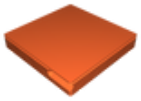

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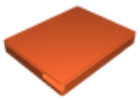

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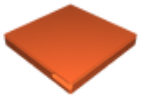

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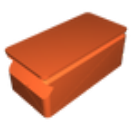
Vase Label Bins - 5u 15 files

gridfinity-v5-1x1x5u-vase-label-bin.stl



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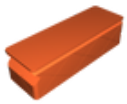

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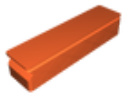

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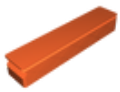

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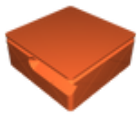

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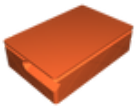

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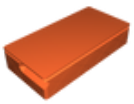

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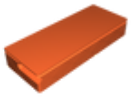

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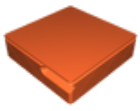

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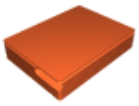

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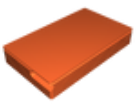

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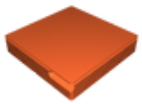

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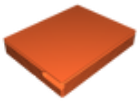

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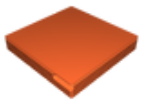


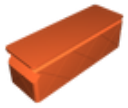
gridfinity-v5-5x5x5u-vase-label-bin.stl

Vase Label Bins - 6u

15 files

gridfinity-v5-1x1x6u-vase-label-bin.stl

gridfinity-v5-1x2x6u-vase-label-bin.stl



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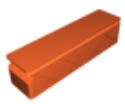

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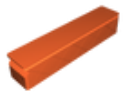

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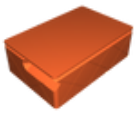

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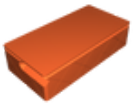

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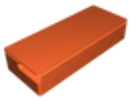

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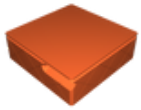

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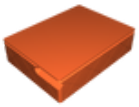

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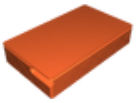

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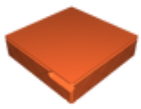

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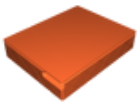

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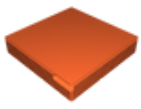


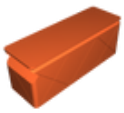
gridfinity-v5-5x5x6u-vase-label-bin.stl

Vase Label Bins - 7u

15 files

gridfinity-v5-1x1x7u-vase-label-bin.stl

gridfinity-v5-1x2x7u-vase-label-bin.stl



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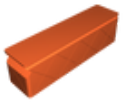

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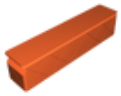

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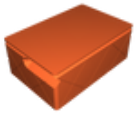

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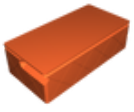

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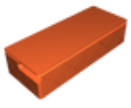

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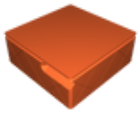

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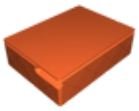

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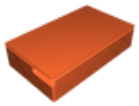

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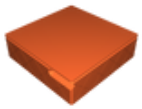

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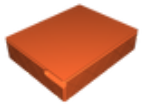

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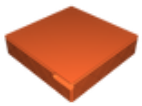
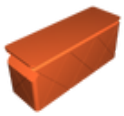


gridfinity-v5-5x5x7u-vase-label-bin.stl

Vase Label Bins - 8u 15 files

gridfinity-v5-1x1x8u-vase-label-bin.stl

gridfinity-v5-1x2x8u-vase-label-bin.stl



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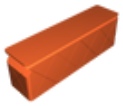

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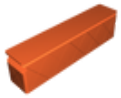

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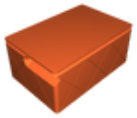

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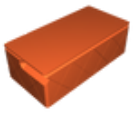

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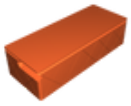

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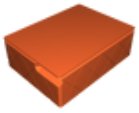

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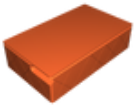

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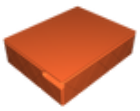

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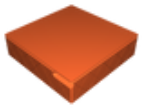

gridfinity-v5-5x5x8u-vase-label-bin.stl

Other files

bins-v5-vase-mode-with-label_2023-06-09.zip

bins-v4-vase-mode-with-label_2023-01-11.zip

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