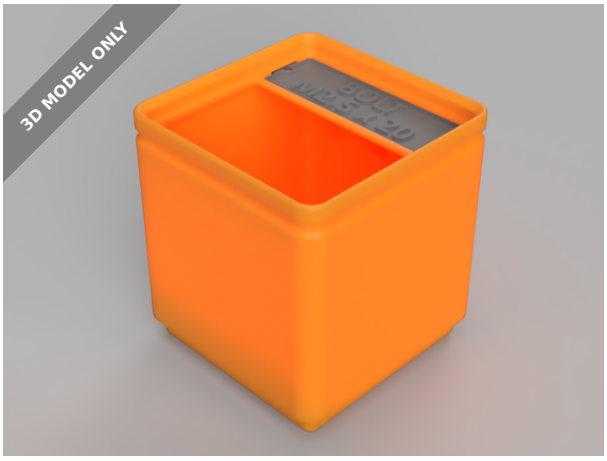


Gridfinity Bin with Printable Label by Pred (parametric)

Pred

VIEW IN BROWSER

updated 29. 10. 2023 | published 29. 10. 2023

Summary

Gridfinity compliant bins with a label holder for printable labels

Hobby & Makers > Organizers

Tags: parametric organizer gridfinty gridfinitybin

Changelog

2023-09-25 - Label samples

Bunch of 1 unit wide labels (M2, M2.5, M3, M4 Hex/Nylock/Square nut, socket head bolts)

2023-09-29 - Stacking lip and label shelf fix

New F3D file (v1.2) uploaded - The label shelf is moved 0.6mm lower (and the stacking lip and the ridge on the side is also that much higher). This is to fix an issue @midnight brought to my attention (thanks for the conversation and testing), namely that the bins were not sitting deep enough and thus when multiples were stacked the whole height was higher than an equivalent high monolithic bin. This issue seems to be present in the original Grdifinity bins by Zack too, thus still keeping the v1.1 version available. Individual model files will be updated later.

Description

This is a bin. A #gridfinity bin. The only special thing is that it has a label holder for a printable label.

Print as you would print any Gridfinity bins. I use 0.4mm nozzle, 0.3 DRAFT profile and 10% infill.

The label is 0.8mm high (0.4mm base, 0.4mm letter and border on top), print it at most at 0.2mm layer height with a 0.4 or 0.25mm nozzle. Once printed, let the whole thing cool down to prevent it deforming.

The label has 2 small tabs on the side and the bin has 2 matching slots, insert the label by carefully bending it a bit. The two holes on the sides are there to help to remove the label using a pin or a tip of a blade.

STEP files for the labels are attached.

There is a parametric Fusion360 (F3D) file attached, you can adjust of course the width, the length and the height. On top of these, there are options for the wall thickness, bottom thickness, scoop curve radius, label width (that translates to the label holders total width) the number of divisions within the bin.

I uploaded some sizes I use frequently, the list might get updated as I need new ones. Use the parametric file to configure your own.

For smaller boxes 0.9mm wall thickness (2 walls) might be enough, for bigger ones 1.5mm is recommended (3 walls). This of course depends on the layer adhesion of the material and printer.

File naming

GridfinityBin_**X**x**Y**x**Z**_D**A**_L**B**_S**C**

- X is the number of Gridfinity units (42mm) on the X axis (front)
- Y is the number of Gridfinity units (42mm) on the Y axis (sides)
- Y is the number of Gridfinity units (7mm) on the Z axis (height)
- A is the number of divisions inside the bin
- B is the width of the label in millimeters
- C is the radius of the scoop curve in millimeters

GridfinityBinLabel_X**A**_**B**_Blank

- A is the number of Gridfinity units (42mm) on the X axis (adjusted based on the bin's size)
- B is the width of the label (from the parameters)

Print a box to store them: https://www.printables.com/model/543553-gridfinity-storage-box-by-pred-now-parametric

More info about the Gridfinity system: https://gridfinity.xyz/

Model files

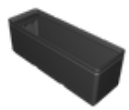
Bin 1xYx6 8 files

gridfinitybin_1x1x6_d1_l12_s10.3mf

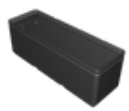
gridfinitybin_1x1x6_d2_l12_s10.3mf

gridfinitybin_1x2x6_d1_l12_s10.3mf

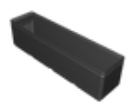
gridfinitybin_1x2x6_d2_l12_s10.3mf



gridfinitybin_1x3x6_d1_l12_s10.3mf



gridfinitybin_1x3x6_d2_l12_s10.3mf



gridfinitybin_1x4x6_d1_l12_s10.3mf

gridfinitybin_1x5x6_d1_l12_s10.3mf

Bin 2xYx6

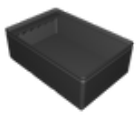
6 files

gridfinitybinlabel_x2_12_blank.step

gridfinitybin_2x1x6_d1_l12_s10.3mf

gridfinitybin_2x1x6_d3_l12_s10.3mf

gridfinitybin_2x2x6_d1_l12_s10.3mf



gridfinitybin_2x3x6_d1_l12_s10.3mf

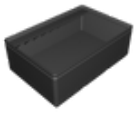
gridfinitybin_2x3x6_d3_l12_s10.3mf

Bin 3xYx6

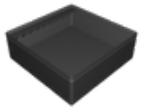
4 files

gridfinitybinlabel_x3_12_blank.step

gridfinitybin_3x1x6_d1_l12_s10.3mf



gridfinitybin_3x2x6_d1_l12_s10.3mf



gridfinitybin_3x3x6_d1_l12_s10.3mf

Bin 4xYx6

2 files

gridfinitybinlabel_x4_12_blank.step

gridfinitybin_4x1x6_d1_l12_s10.3mf

Bin 5xYx6

2 files

gridfinitybinlabel_x5_12_blank.step

gridfinitybin_5x1x6_d1_l12_s10.3mf

GridfinityBinLabel_X1_12

53 files

gridfinitybinlabel_x1_12_blank.step

gridfinitybinlabel_x1_12_m25_hexnut.3mf

gridfinitybinlabel_x1_12_m25_nylock.3mf

gridfinitybinlabel_x1_12_m3_nylock.3mf

gridfinitybinlabel_x1_12_m2x4_hexsockethead.3mf

gridfinitybinlabel_x1_12_m25x18_hexsockethead.3mf

gridfinitybinlabel_x1_12_m25x16_hexsockethead.3mf

gridfinitybinlabel_x1_12_m3x16_hexsockethead.3mf

gridfinitybinlabel_x1_12_m2x20_hexsockethead.3mf

gridfinitybinlabel_x1_12_m25x12_hexsockethead.3mf

gridfinitybinlabel_x1_12_m3x18_hexsockethead.3mf

gridfinitybinlabel_x1_12_m25x20_hexsockethead.3mf

gridfinitybinlabel_x1_12_m3_squarenut.3mf

gridfinitybinlabel_x1_12_m2x2_hexsockethead.3mf

gridfinitybinlabel_x1_12_m3_hexnut.3mf

gridfinitybinlabel_x1_12_m25_squarenut.3mf

gridfinitybinlabel_x1_12_m3x12_hexsockethead.3mf

gridfinitybinlabel_x1_12_m3x14_hexsockethead.3mf

gridfinitybinlabel_x1_12_m3x2_hexsockethead.3mf

gridfinitybinlabel_x1_12_m25x14_hexsockethead.3mf

gridfinitybinlabel_x1_12_m3x8_hexsockethead.3mf

gridfinitybinlabel_x1_12_m4_nylock.3mf

gridfinitybinlabel_x1_12_m2x6_hexsockethead.3mf

gridfinitybinlabel_x1_12_m2x8_hexsockethead.3mf

gridfinitybinlabel_x1_12_m3x6_hexsockethead.3mf

gridfinitybinlabel_x1_12_m3x4_hexsockethead.3mf

gridfinitybinlabel_x1_12_m4_hexnut.3mf

gridfinitybinlabel_x1_12_m3x20_hexsockethead.3mf

gridfinitybinlabel_x1_12_m4_squarenut.3mf

gridfinitybinlabel_x1_12_m4x12_hexsockethead.3mf

gridfinitybinlabel_x1_12_m25x4_hexsockethead.3mf

gridfinitybinlabel_x1_12_m4x10_hexsockethead.3mf

gridfinitybinlabel_x1_12_m2_nylock.3mf

gridfinitybinlabel_x1_12_m25x6_hexsockethead.3mf

gridfinitybinlabel_x1_12_m25x8_hexsockethead.3mf

gridfinitybinlabel_x1_12_m2x12_hexsockethead.3mf

gridfinitybinlabel_x1_12_m2_hexnut.3mf

gridfinitybinlabel_x1_12_m2x18_hexsockethead.3mf

gridfinitybinlabel_x1_12_m2x14_hexsockethead.3mf

gridfinitybinlabel_x1_12_m4x16_hexsockethead.3mf

gridfinitybinlabel_x1_12_m2_squarenut.3mf

gridfinitybinlabel_x1_12_m25x2_hexsockethead.3mf

gridfinitybinlabel_x1_12_m4x18_hexsockethead.3mf

gridfinitybinlabel_x1_12_m4x4_hexsockethead.3mf

gridfinitybinlabel_x1_12_m4x2_hexsockethead.3mf

gridfinitybinlabel_x1_12_m4x8_hexsockethead.3mf

gridfinitybinlabel_x1_12_m2x10_hexsockethead.3mf

gridfinitybinlabel_x1_12_m4x20_hexsockethead.3mf

gridfinitybinlabel_x1_12_m4x6_hexsockethead.3mf

gridfinitybinlabel_x1_12_m4x14_hexsockethead.3mf

gridfinitybinlabel_x1_12_m25x10_hexsockethead.3mf

gridfinitybinlabel_x1_12_m3x10_hexsockethead.3mf

gridfinitybinlabel_x1_12_m2x16_hexsockethead.3mf

gridfinitybin_bypred_v11.f3d

gridfinitybin_bypred_v12.f3d

☐ Label shelf moved 0.6mm lower to allow proper stacking

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