Gridfinity Bin 1x2 divided into 3 compartments with covers (REMIX)

MyStoopidStuff

Summary

This is a 1x2 (6U high) Gridfinity bin, which is divided into 3 compartments with covers.

Hobby & Makers   >   Organizers

Tags: bins   gridfinity   boxforstuff   bfs

This is a remix of Scheff's Gridfinity Collection Solid Bins for Customization (STEP Files), which was used as a blank canvas to design this 1x2 (6U high) bin, with 3 compartments. Big thanks to Scheff for posting the STEP file models, which are a huge help for designers! This bin is designed to work with the Gridfinity Box For Stuff V2.0, and is 6U high with a 1x4U footprint, but it will also work with other cases which have a 6U bin height. The covers are intended to prevent the migration of tiny parts between the bins, when used in a case.

Please protect your eyeballs and wear some safety glasses when assembling the door hinges. Clipping the paperclip wires with the side cutters can send the cut ends of the wires flying.

To assemble the doors, use a large paperclip (mine had a wire diameter of about 1.05mm), and straighten them so they can be used as hinge pins for

the doors. To install the doors, the paperclip wire is inserted from one end (and pass it through each door) until it stops (**the wire will only go about 81mm**). Then cut the wire flush with some diagonal flush cutters (which come with most 3D printers). I ran the wire through the bin doors first to make sure it went through easily (if it does not you may need to adjust your printer settings since the door holes are 1.5mm diameter). I used pliers to insert the wires, since they are a snug fit with the holes. Note that the **wire will not go all the way though the bin it has a stop on one end. Be careful to not use too much force when installing the paperclip wire so that you don't poke yourself with it.**

If you intend to print these in one color, you can use the file named:

3x_2x1_v2E_BIN_DOOR_w_TAB.STL

If you want to print the tabs in a different color, then use the files listed below (load each "1" and "2" set into the slicer together so they maintain their orientation). **The tabs use an integrated hinge**, so they need to print with the door (so load them into the slicer together). This way they are split into two models (tab and door) for multicolor printing (which makes coloring much simpler in the slicer).

Load these models together and print 3 total doors:

1. **3x_2x1_v2E_BIN_DOOR_TAB.STL**
2. **3x_2x1_v2E_BIN_DOOR.STL**

In Orcaslicer (others should be similar), you can load two or more objects together by dropping them together on the build plate and answering "yes" when it askes if you want to load the files as a single object. Doing this will maintain the orientation of the door and tabs which is required for them to print correctly.
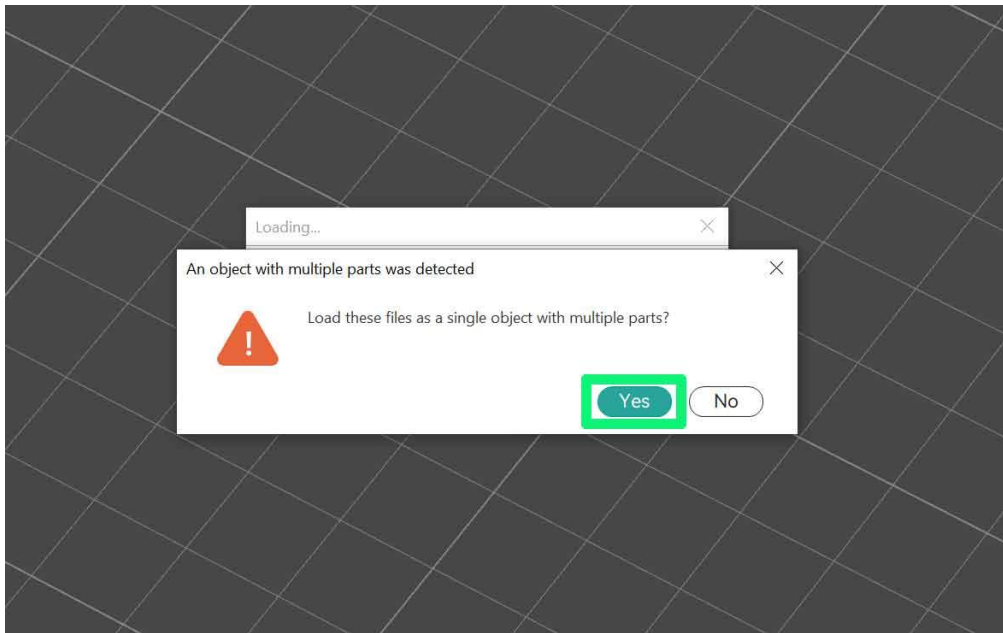
The doors on the bins have room for a 9mm to 12mm wide Brother P-Touch Label (or smaller).

The STEP file is included, which has all the models used in this design.

If you find these models useful, please post a like or a comment with some pics of your prints.

You can find the other things I'm working on at my blog here. You can also follow me here on Printables to see what new stuff I post. If you would like to support my work, you can Buy Me A Coffee using this link:

https://www.buymeacoffee.com/mystoopidstuff

Thanks for looking!

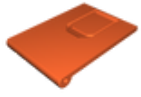# This remix is based on
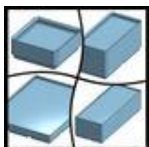
Gridfinity Collection Solid Bins for Customization (STEP Files)

by scheff

Model files

3x_2x1_v2e_bin_door_w_tab.stl

🗋 This door is for single color printing

3x_2x1_v2e_bin_door.stl

🗋 For multicolor printing - Load the TAB and DOOR Files together in the slicer.

3x_2x1_v2e_bin_door_tab.stl

🗋 For multicolor printing - Load the TAB and DOOR Files together in the slicer.

3x_2x1_v2e_bin.stl

6x-and-3x-covered-bin-2e.stp

🗋 STEP file for easy Remix'n

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