Gridfinity Bin 1x4 divided into 6 compartments with covers (REMIX)

MyStoopidStuff

VIEW IN BROWSER

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Summary

This is a remix of Ch3vr0n's 6 compartment Gridfinity bin, which adds some covers to help keep tiny parts from migrating
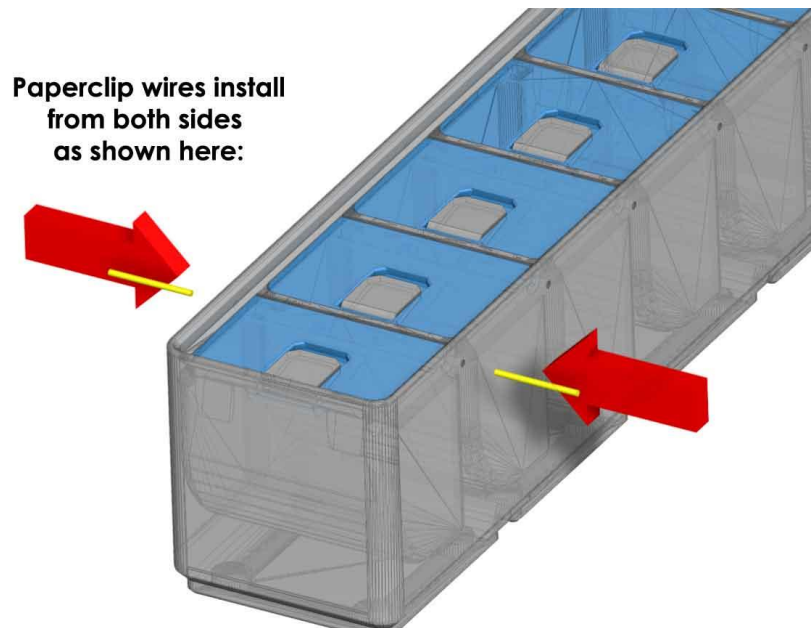
Hobby & Makers   >   Organizers

Tags: boxes   gridfinity   gridfinitybin

This is a remix of Ch3vr0n's 6 compartment Gridfinity bin, which adds some covers to the 4x1 bin with 6 slots. It's designed to work with the Gridfinity Box For Stuff V2.0, and is 6U high with a 1x4U footprint. The covers are intended to prevent the migration of tiny parts between the bins, when used in the 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 couple large paperclips (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 both sides until it stops (**the wire will only go about 15mm**). Then cut the wire flush with some diagonal flush cutters (which come with most

3D printers). 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 doors**, and should be installed in two parts, from each side as shown in the pic below:
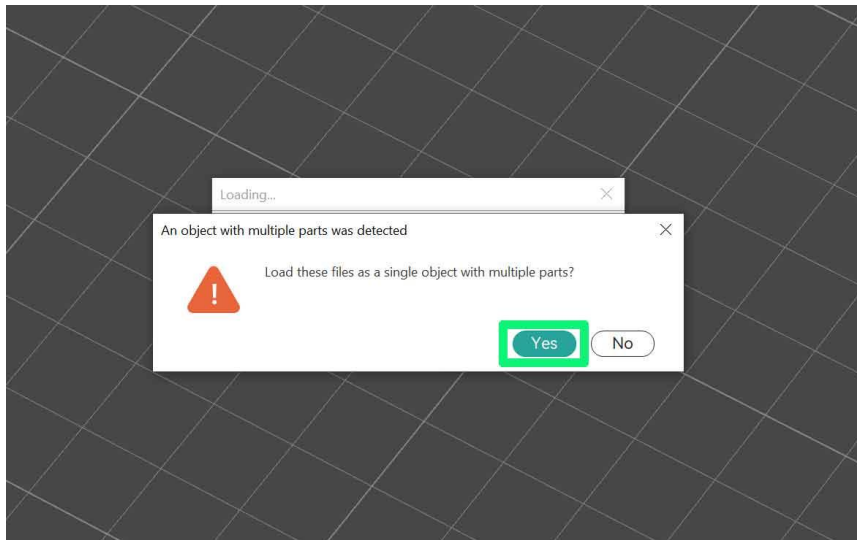

If you intend to print these in one color, you can use the file named:

6X_4x1x6BINS_COVERED_DOOR_ALL.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).

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.

For Multicolor printing only:

Load these into the slicer together and print 5 total:
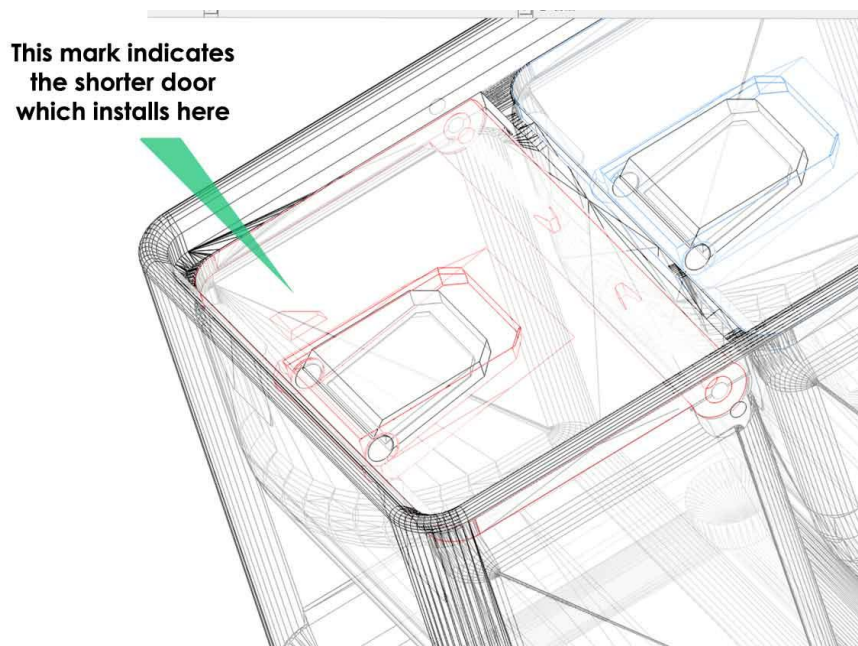
6X_4x1x6BINS_COVERED_DOOR_A-1.stl (door)
6X_4x1x6BINS_COVERED_DOOR_A-2.stl (tab)

Load these into the slicer together and print 1 total:

6X_4x1x6BINS_COVERED_DOOR_B-1.stl (door)
6X_4x1x6BINS_COVERED_DOOR_B-2.stl (tab)

The reason for having "A" and "B" doors is due to one door being slightly shorter than the rest. This short door is the "B" model, and has a small mark on the inside surface, which should help to ID it during assembly. The shorter door installs in the first bin as shown in the pic below:

This mark indicates the shorter door which installs here

The doors on the bins have room for a 9mm 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 Boxes for Gridfinity Box For Stuff 20 bin version
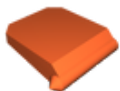
by Ch3vr0n

Model files

6x_4x1x6bins_covered_door_a-1.stl

📄 Print 5 - regular door - Load the A-1 and A-2 Files together in the slicer.
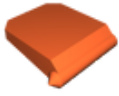

6x_4x1x6bins_covered_door_a-2.stl

📄 Print 5 - regular door - Load the A-1 and A-2 Files together in the slicer.

6x_4x1x6bins_covered_door_b-1.stl

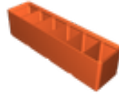📄 Print 1 - short door - Load the B-1 and B-2 Files together in the slicer.

6x_4x1x6bins_covered_door_b-2.stl

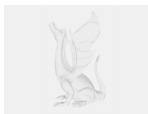🗋 Print 1 - short door -Load the B-1 and B-2 Files together in the slicer.

6x_4x1x6bins_covered_door_all.stl

🗋 All doors for single color printing

6x_4x1x6bins_covered.stl

🗋 Base

6x_4x1x6bins_covered_2a.stp

🗋 STEP file for easy remix'n

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