



Gridfinity 1x2 Ender 3 Tool Holder



roomonthethird

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Summary

Gridfinity Tool Holder for Ender 3 Toolkit.

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The Lore

I was looking for any method to keep my tools neat and organized while also preventing them from getting knocked over completely. I also wanted them nearby and ready to go at a moment's notice.

I wasn't happy with any designs--I couldn't help but wonder....what if I just designed something myself? It turns out I kinda did that at one point!

I am not great at modelling but I did have my remix I was already happy with! So I took that and realized the base had too big of a footprint. I combined it with the Gridfinity system and here we are!

I took my remixed Tool Stand into TinkerCAD, cut off the base, and combined it with the 1x2 Gridfinity adapter. I glued in magnets to the base of the newly printed Tool Stand, and now had a strong magnetic system combined with the Sidecar Baseplate and now nothing can stop me!

Print Suggestions / Instructions

I printed this with 10% Gyroid infill in Cura. **Supports needed** for the overhang of the tool guide. You have to print it vertically due to the Gridfinity base.

HOWEVER, I added a Support Blocker/Eraser (E) > Modify Setting for Overlap > Infill Mesh Only > Removed All Other Settings with the (-) > Change Settings > Add **only** Infill Density > Set to 100% around the tool area for strength.

I also added another Support Blocker/Eraser from the top of the Gridfinity base to the bottom of the buildplate, to block any support material for being printed around the base--it's just not necessary. Setting for that is add the right shape of the Support Blocker/Eraser (E) > Don't Support Overlaps. If you do this, be careful not to block the support material from forming for the tool guide.

Otherwise print with standard/your normal settings.

Here is the credit where its due:

- **ZachFreedman/VoidStarLabs** for the Gridfinity system - <https://thangs.com/designer/ZackFreedman>
- **butch52** on Thingiverse for the original Tool Stand - <https://www.thingiverse.com/thing:3472031>
- **atucum** on Printables for the 1x2 Gridfinity Adapter - <https://www.printables.com/model/226535>
- **uigghjghjlghjghghj** on Thangs for the Gridfinity Ender 3 Baseplate Sidecar - <https://thangs.com/designer/uigghjghjlghjghghj/3d-model/Gridfinity%20Ender%203%20Baseplate%20Sidecar-61668>

Any questions/comments/concerns, leave a comment!

Print Settings

Printer:

Creality Ender 3

Rafts:

No

Supports:

Yes (see notes)

Resolution:

.2 Layer Height

Infill:

10% Gyroid

Filament:

Paramount 3D

Cadet Blue PLA

This remix is based on



Gridfinity Adapters

by atucom



Ender 3 Tool Stand Remix - No Scraper or Flush Cutters

by roomonthethird

Model files



gridfinity_1x2_3d-printing-tool-holder.stl



gridfinity_1x2_3d-printing-tool-holder.obj

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