



YAMDS - Yet Another Modular Drawer System



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Summary

Are you in need of a storage solution? Do you think that hexagons are indeed bestagons? Have some modular drawers!



22.50 hrs



3 pcs



0.20 mm



0.40 mm



PLA



146 g



Ender 3 V2

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[stackable](#) [hex](#) [wallmounted](#) [drawer](#) [cableorganizer](#)
[bestagon](#)

Y.A.M.D.S. - Yet Another Modular Drawer System

Are you in need of a storage solution? Do you want to print your way out of a print instead of going to IKEA? Do you think that hexagons are indeed bestagons? Well my friend, then I've got something for you! Introducing the Y.A.M.D.S. System (yeah yeah, system system, I know), a fully customisable hexagonal storage system.

Requirements

- Your favourite filament
- Another colour of your favourite filament
- Your spare filament (in case you opt for the lids)
- **It's all filament!**
- (... some M3 flatheaded screw if you want to hang em)

Assembly

Most of the parts is straight forward, just slap em together. If the tolerances are a bit tight, just point angrily at a mallet, and the pieces'll move together after some convincing.

The Lids

Here's where the spare filament comes in. Not gonna lie, I flat out stole this idea from [3DPrinty](#), which is a great channel, go subscribe and watch his video's. Anyway, the hinges work by lining the lid up with the tab on the drawer and putting a piece of left over filament in the holes. It's a bit of a tight fit, so you might need to put some force behind it.

Tip: In case you it really doesn't fit, put a small weight on one end of the filament, let it hang and slightly heat it up with a hair dryer or heat gun, to the point to starts stretching. The stretched out filament should fit easily.

The Top Mounts

Since you can't install the mounts with the entire assembly attached, getting the spacing right can be a bit tricky. To make this process easier, I've added a spacer file. Just install the first where you want to start, then attach a spacer to each end, and connect both spacers to the mount you want to hang. The spacers have some give, so make sure both are perpendicular to both top mounts, then you can put in the screws,

Make sure you get flatheaded screws, and that when they're put in, they're flush with the mount.

Changelog

Version 1.0.0

As of version 1.0.0, I've added the following models:

- **Drawers**
 - With a tab for a Lid

- Plain template to let your imagination run wild
- **Lids**
 - BYOD Lid (Bring your own Design) (LidPlain)
 - Hex Lid (Because hexagons R bestagons!)
- **Mounts**
 - Bottom Mount (a standing mount)
 - Bottom Mount with hex pattern (I heard you liked hexagons, so I put hexagons on your hexagons)
 - Top Mount (a hanging mount)
- **Misc**
 - Tester
 - Spacer

Roadmap

With version 1.0.0 I've released a bare bones MVP (thank the contest and my desire for the prizes for this pre-release). I've got more models in mind, but my single printer can only print so much (hey contest, wink wink) and I do not want to release untested models (I do that already too often in my day job as a developer), so here's a list of models I still plan to create. If you've got ideas, please send me a message, or use the STEP / f3d files to make your own!

- A back plate so you can make an opening between drawers into a drawer without much printing
- Different default sizes. As of now, you can go into fusion and change the parameters, but not everyone is comfortable with using fusion. Thinking of the following defaults:
 - Height: 50mm, 100mm, 150mm (current), 200mm, 250mm
 - Width: 50mm, 75mm (current), 100mm, 150mm
- Wall mounts
- Different lids
 - Lid with a space for a label
 - Pull tabs

License

CC-0. If you make your own spin on the model, I'd love to see them. Attribution is appreciated, not required.

Model files



Drawers

2 files



drawerlid.stl



drawerplain.stl

☐ Without attachment for a lid

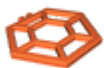


Lids

2 files



lidplain.stl



lidhex.stl



Mounts

3 files



topmountfull.stl



bottommountfull-hex.stl

☐ Print flat



bottommountfull-plain.stl

☐ Print flat for smoother fit, print standing for tighter (and less comfy) fit.



drawer-test.stl

☐ A tester to check the tolerances. Print 2.



spacer.stl

☐ Spacer to position the mounts. Print with text to the side.



yamds-yet-another-modular-drawer-system-v100.f3d



yamds-yet-another-modular-drawer-system-v100.step

Print files



testers.gcode

⚙️ PLA ⚙️ 0.40 mm ⚙️ 0.20 mm ⌚ 2.00 hrs ⚖️ 11 g

☐ Print this first, so you'll know the tolerances are okay. Don't waste time and plastic.



single-drawer-with-hex-lid.gcode

⚙️ PLA ⚙️ 0.40 mm ⚙️ 0.20 mm ⌚ 22.50 hrs ⚖️ 146 g



single-plain-drawer.gcode

⚙️ PLA ⚙️ 0.40 mm ⚙️ 0.20 mm ⌚ 21.00 hrs ⚖️ 143 g

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