



Raz's Desk Organizer



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[VIEW IN BROWSER](#)

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Summary

Modular Desk Shelf and Organizer

[Household](#) > [Office](#)

Tags: [organizer](#) [desk](#) [gaming](#) [deskorganizer](#) [setup](#)

NEW UPDATE, Symmetrical legs, only need to print the same leg twice instead of worrying about left and right versions of legs. not compatible with previous versions. previous version files in Archive Design Files Now Available for Purchase [Here](#)
Raz's Desk Organizer:

Designed to be modular and expandable, Inspired by products from Grovemade and Desky.

2024 Printables Awards Model Of the Year Nominee:

Thanks to all who nominated and voted for Raz's Desk Organizer in this years Printables Awards. I appreciate the support, it keeps me motivated to come up with new ideas and projects! I have learned a lot from this project and plan to continue supporting it.

#####

Shopping List

- **Leg attachment hardware** - 1/4-20 x 25/32 threaded wood inserts, Hex Socket Drive 1/4-20 x 19/32" Screw-in Nuts
- **Threaded inserts for 3d Prints** (for assembly) - M3x4x5 mm brass threaded inserts
- **Screws** (for assembly) - M3 x 8 Hex Socket Flat Head Screws
- **Leg Feet** (Optional but recommended) - Any feet will work as long as they are .7 inches or smaller
- **Mag Safe Charger** (Optional) - Should work with any mag safe charger.
- Designed around IKEA 7 7/8" **BERGSHULT Shelf** choose between 47 inch or 31 inch.
- Felt, sold at any hobby store/arts crafts isle. (Optional Upgrade)

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Required Tools

- Drill, with 3/8ths drill bit.
- Soldering Iron
- Allen Wrench set
- Double Sided Tape

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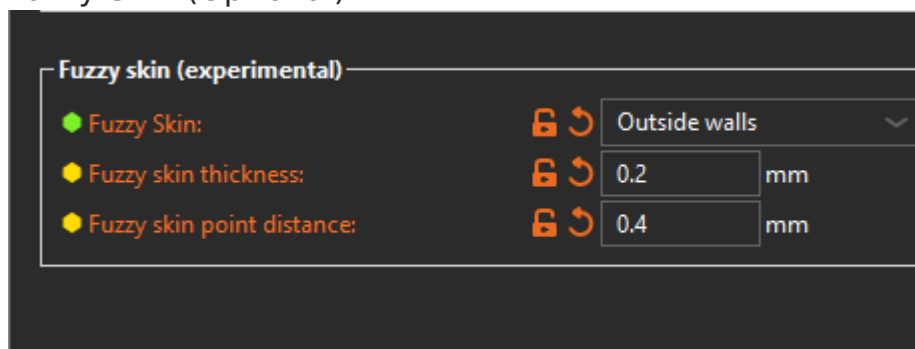
Print and Part List For Example in first Picture : [Google Sheet](#)

- Will add more examples and builds in future, feel free to share yours!
i can add them to this list.

#####

Printing Details

- Fuzzy Skin (Optional)
-



- Infill - For Legs and Shelf Supports, 10% infill; For everything else 15% minimum infill recommended

- Filament- Printed with Black Creality PLA. Note: PETG might be a better option for some of the accessories but no issues so far with PLA
- Supports - Parts were designed to require minimal supports, orient them with flattest part touching build plate and enable supports everywhere.

Assembly Instructions/Tips

Legs

- Print Jigs to help with mounting hole alignment. Tip: use double sided tape to fix on to surface, Use jigs with Left Right Labels facing the edge that will be facing you when on the desk.
- Example of Jig usage-



- Use 3/8ths drill bit to drill holes for Wood inserts.



- Use Soldering iron to press threaded inserts into legs for mounting (this is optional if you do not plan on using DrawerTrays)



- Use Hex Socket Drive 1/4-20 x 19/32" Screw-in Nuts to attach legs to Ikea wood Shelf
- Attach the drawer rails using flathead head hex screws



Bottom Mounted Shelves

- The bottom mounted small shelves are friction assembled. Tip: The shelf part is keyed so make sure its aligned before adding pressure.



- Use the "RazMade Table_Shelf Jig" to place the mounting holes
- Recommended: You may run into issues with tolerances and the friction fit, Highly recommend considering this [Remix](#) for the shelves that use screws for assembling this piece.

Peripheral Accessories(Stream Deck/Phone Mount)

- Use "Leg Jig_LeftRight" to drill 1 hole for mounting accessories, use the hole that is closest to the edge of the IKEA shelf that will be facing you.

- Place threaded wood insert in hole



- attach Peripheral Mounts using Hex Socket Drive 1/4-20 x 19/32" Screw-in Nuts (Washer Optional)

Desk Tray

- Push threaded inserts into "Desk Tray_TraySide_L" and "Desk Tray_TraySide_R"



- Screw TraySide into place



- Tip: If you plan on lining tray with felt, use double sided tape to attach it before putting on the tray sides.

Note

- I have created some solid versions of models which would normally require threaded inserts and assembly, the versions required assembly were designed to print faster with less supports.

#####

Size Options

- **Drawers** - have two different size options, make sure you print the matching rails.
- **Legs** - have to different size options as well, 95mm and 115mm. Measure the space under your monitor to help decide which to pick.
- **Shelves** - two different width options for the small undermounted shelves 137mm and 157mm. make sure you use the appropriate jig for the mounting holes.
- **Phone Mount** - two different sizes 40 and 65mm for different sized phones or tablets.

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Thanks for Reading! - If you have any questions on assembly please feel free to leave a comment, or if you have any requests for new modules or attachments.

#####

Updates

Headphone Mount added 08.16.24



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Macropad Mount added 08.23.24

-Macropad files and instructions are here - [Ali Express Macro Pad with Knob Case](#)

- Recommend you buy this [90 degree USB C adapter](#) to help with cable management



#####

Laptop Dock added 09.23.24

-Added two different sizes 20mm and 25mm, recommended for smaller lighter laptops.

-For mounting, you can use the screw holes to mark the spot, on the shelf and drill or use a leg jig as the spacing for the mounting hardware is the same as the legs.

-Recommended: add felt to bottom and wall of dock using double sided tape to reduce friction.



#####

Support For extra drawers added 09.29.24

-added a new version of legs with extra mounting holes for rails this will allow adding 3 small drawers or 1 small and one large as shown below.



#####

Updated Stream Deck Mount, 10.06.24

new version removes the bottom lip, purely for aesthetic purposes

#####

Apple Watch Charger Mount Added, 10.08.24

added apple watch charging stand as requested, i am unable to test it at the moment as i do not have an apple watch, double sided tape is required to attach Charger to the mount.



#####

Added Center Support for drawers, 10.12.24

Center support for using multiple drawers in a horizontal Configuration(Pictured Below)



Fixed issue with hole spacing on legs and drawer supports, 10.12.24

Mounting holes were .5 MM off center, updated legs and drill templates to be centered.

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Added Larger Headphone Mount for bigger Headphones



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More Leg Options! 11.05.24

Added deeper legs for people using the 11 1/4 inch Ikea Shelf:

this will eliminate the need to print an extra leg for rear support and improve aesthetics. These legs are quite long and will only fit on Prusa Mk3s and bigger if printed diagonally, I'm working on a version that can be printed in multiple pieces.

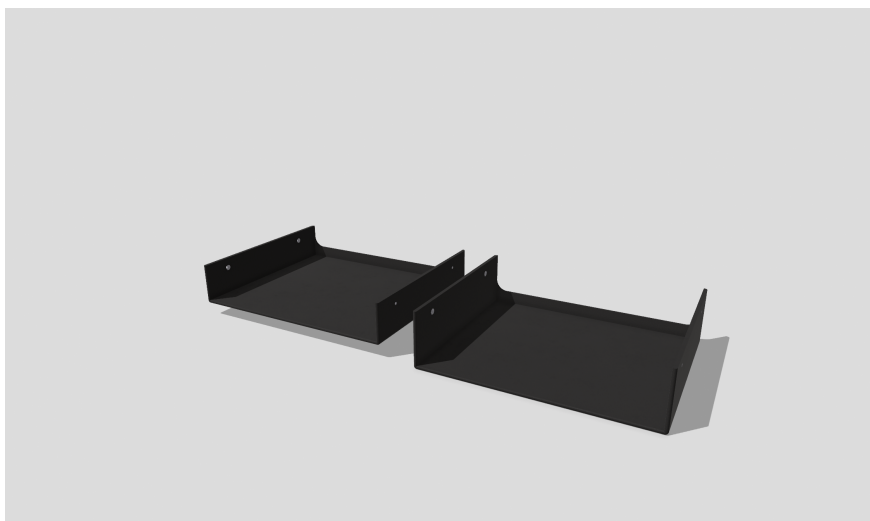
Added Legs with cutouts, this is to help reduce print cost and time, also different look from the original.



#####

Drawer and Tray Update! 02.13.25

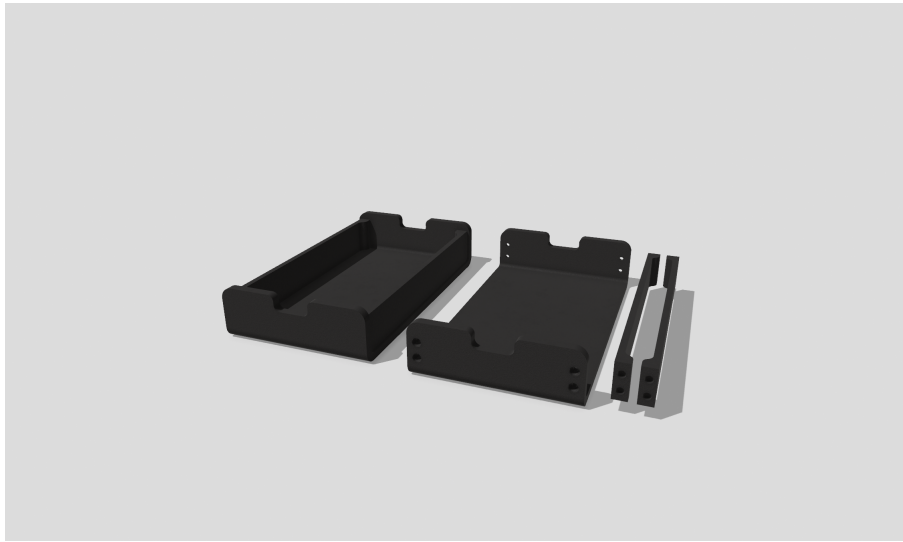
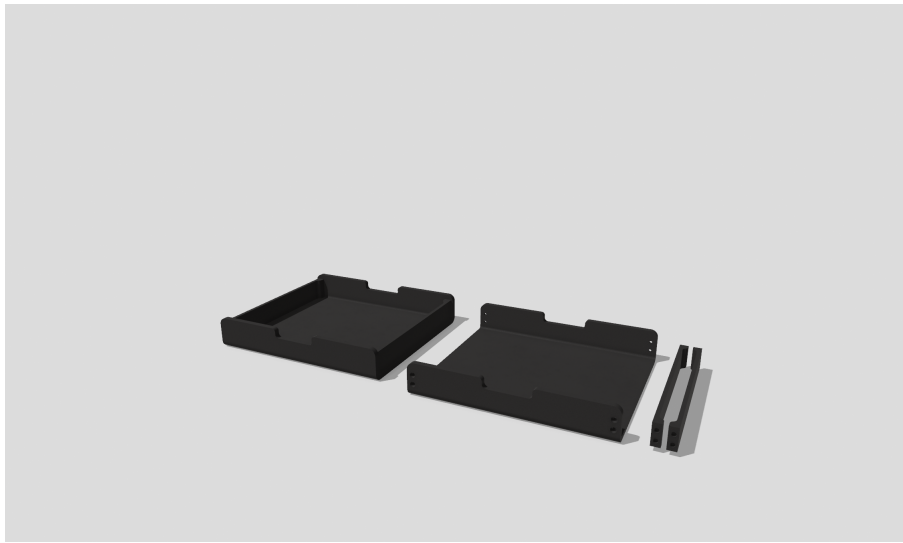
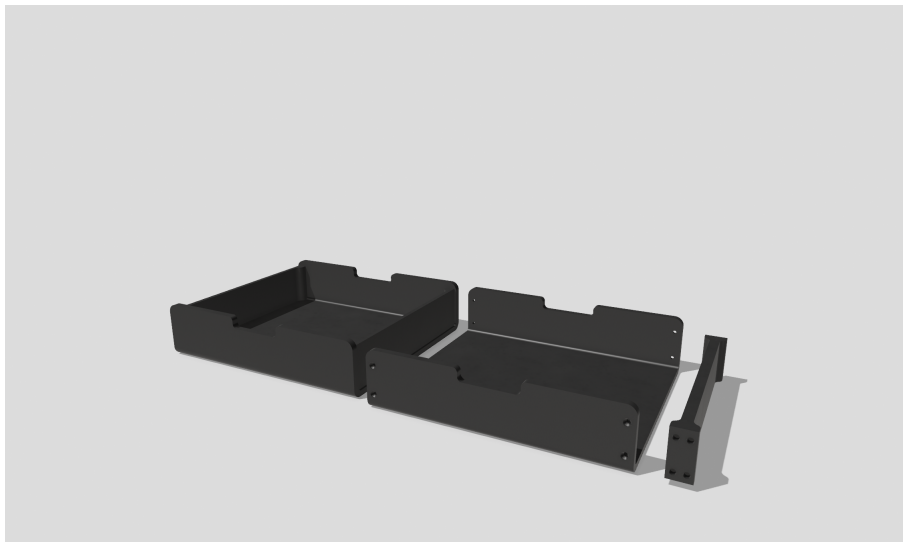
New larger shelves, compatible with desk trays



Example of hanging large shelf



Small Medium and large Desk trays, reworked to fit on shelves as an option, added a notch to make them easier to pull out



Example of tray config



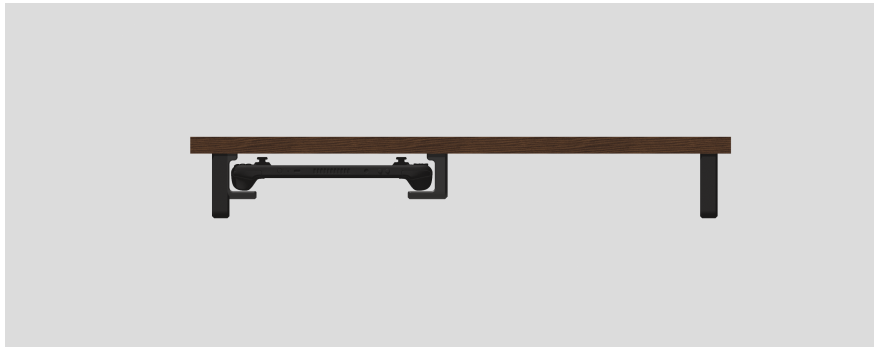
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Device Holder, Speakers Stands! 02.17.25

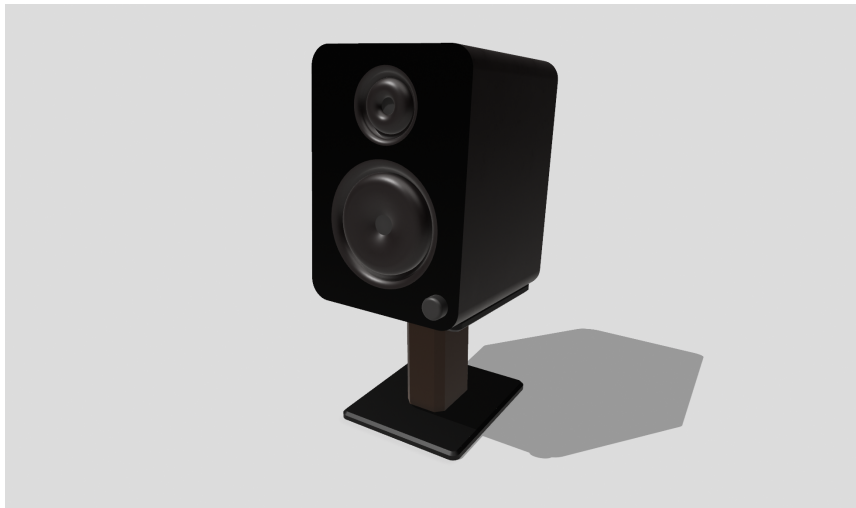
added new design for Steamdeck type device holder, it also works for laptops and notebooks.

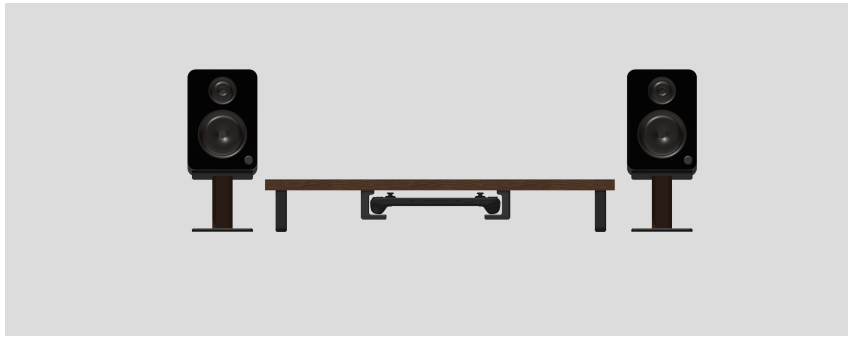


Device Holder Variation that doubles as a leg



Speaker Stand, with a few variations, i created a separate page with instructions and more details please visit [here](#)

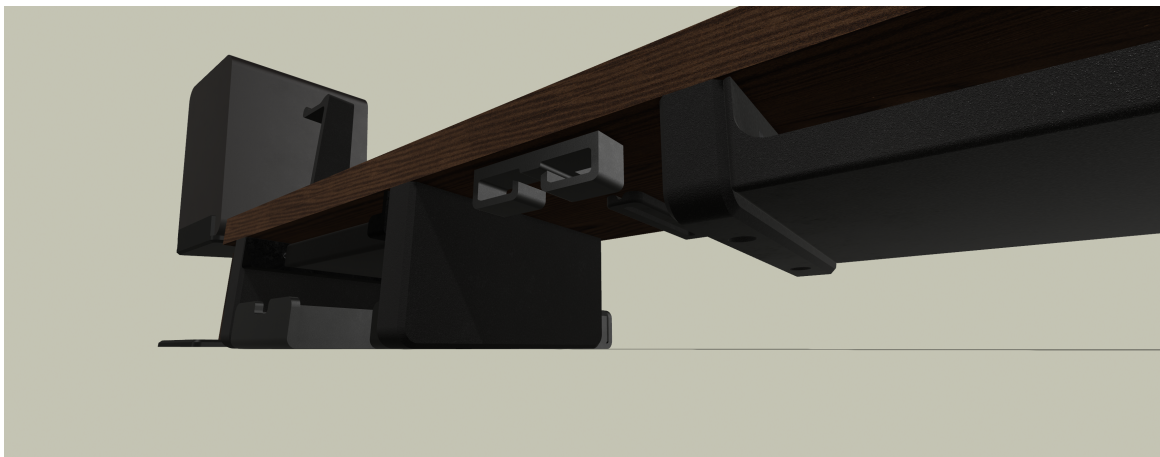




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Cable Management! 03.20.25

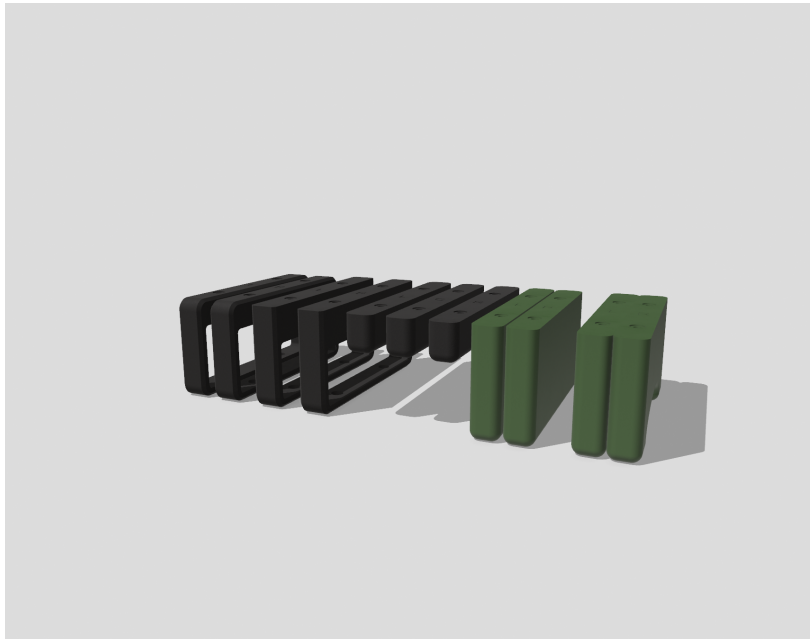
a simple cable routing clip that fits in standard mounting hole.



#####

Legs Legs Legs! 04.30.25

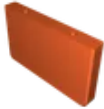
Some new designs for legs which i am in the process of testing, added more rounded designs and legs with bigger cutouts to save on material



SYMETRY 11.24.25

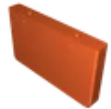
Made all the legs symmetrical so that there is no left or right versions, this will help keep the part count down and hopefully make it easier to know what to print, also updated some of the accessories and added a new microphone mount.

Model files

	7 inch board legs	9 files
	leg-115mm.3mf	
	leg-115mm-multi-drawer.3mf	
	11-1_4-legs.3mf	



leg-center-95mm.3mf



center-115mm.3mf



leg-95mm-multi-drawer.3mf



leg-center-95mm-multi-drawer.3mf



leg-95mm.3mf



center-115mm-multi-drawer.3mf



11 inch board legs

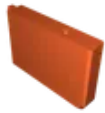
8 files



11-1_4-left-leg-95mm-split-2_2.3mf



11-1_4-left-leg-955mm-split-1_2-multi-drawer.3mf



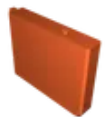
11-1_4-left-leg-95mm-split-2_2-multi-drawer.3mf



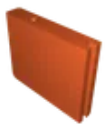
11-1_4-left-leg-115mm-split-1_2-multi-drawer.3mf



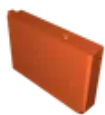
11-1_4-left-leg-115mm-split-2_2.3mf



11-1_4-left-leg-115mm-split-2_2-multi-drawer.3mf



11-1_4-left-leg-115mm-split-1_2.3mf



11-1_4-left-leg-95mm-split-1_2.3mf



Accessories

24 files



streamdeck-mount-v2-plate.3mf



mic-mount.3mf



laptop-dock-20mm.3mf



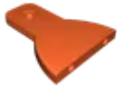
cable-management-clip.3mf



headphone-mount.3mf



streamdeck-mount-v2.3mf



phone_mount_40mm_base.3mf



streamdeck-mount-plate.3mf



streamdeck-mount-base.3mf



macropad-mount.3mf



laptop-dock-30mm.3mf



pone_mount_65mm_base.3mf



magsafe_mount_v1.3mf



streamdeck-mount-v2-base.3mf



macropad-base.3mf



streamdeck-mount.3mf



apple-watch-charger.3mf



macropad-case.3mf



phone_mount_40mm_hook.3mf



phone_mount_40mm.3mf



phone_mount_65mm_hook.3mf



phone_mount_65mm.3mf



magsafe_mount_v2.3mf



mic-screw.3mf



Alt Legs

10 files



95mm-leg-skeleton-drawer-compatible.3mf



95mm-leg-hourglass-drawer-compatible.3mf



95mm-leg-skeleton-rounded-drawer-compatible.3mf



95mm-leg-skeleton.3mf



95mm-leg-template.3mf



95mm-leg-cutout-drawer-compatible.3mf



left-leg-115mm-cutout-drawer-compatible.3mf



95mm-leg-rounded.3mf



95mm-leg-rounded-cutout.3mf



95mm-a-leg.3mf



Device Holder

2 files



device-holder-leg.3mf



device-holder.3mf



Half Legs (Drawer Support)

8 files



half-leg-medium.3mf



half-leg-small.3mf



half-leg-rounded.3mf



half-leg-large.3mf



half-leg-small-center.3mf



half-leg-center-medium.3mf



half-leg-center-large.3mf



half-leg-center-rounded.3mf



Jigs

7 files



small-leg-spacer-for-small-drawers.3mf



shelf-jig-137mm.3mf



7-7_8-leg-jig.3mf



shelf-jig-157mm.3mf



11-1_4-leg-jig.3mf



leg-spacernormal-drawers.3mf



edgescraper.3mf



Shelves

8 files



shelf-support.3mf



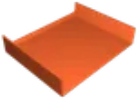
shelf-support-center.3mf



small-shelf-157mm.3mf



small-shelf-137mm.3mf



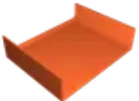
medium-shelf.3mf



small-shelf-one-piece-137mm.3mf



small-shelf-one-piece-157mm.3mf

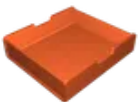


large-shelf.3mf



Trays

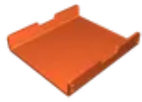
8 files



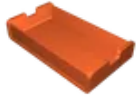
one-piece-large-tray.3mf



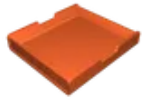
tall-tray.3mf



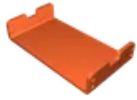
tray.3mf



one-piece-small-tray.3mf



one-piece-tray.3mf



small-tray.3mf



trayside.3mf



large-trayside.3mf



Drawers and Rails

10 files



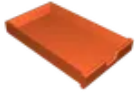
right-rail-small.3mf



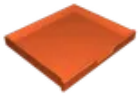
right-rail-large.3mf



left-rail-large.3mf



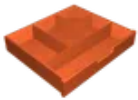
small-half-drawer.3mf



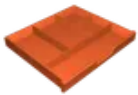
small-drawer-no-divider.3mf



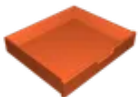
left-rail-small.3mf



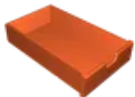
large-drawer.3mf



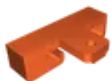
tray-small.3mf



large-drawer-no-divider.3mf



large-half-drawer.3mf



cable-management-clip.3mf

Other files



wood-insert-hole-spacing-137mm-shelf.pdf



archive.zip

☐ Previous versions of files, before the mirrored leg update

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