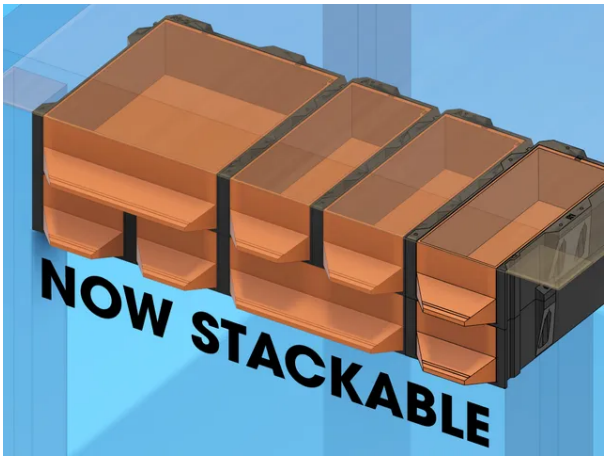


(LEGACY) Lack Enclosure Drawers

Jerrari

VIEW IN BROWSER

updated 28. 7. 2025 | published 28. 7. 2025

Summary

Is your print enclosure "lacking" storage? Well I have the solution for you!

17.08 hrs	2 pcs	0.20 mm	0.40 mm	PET	204 g	Prusa MK3/S/S+

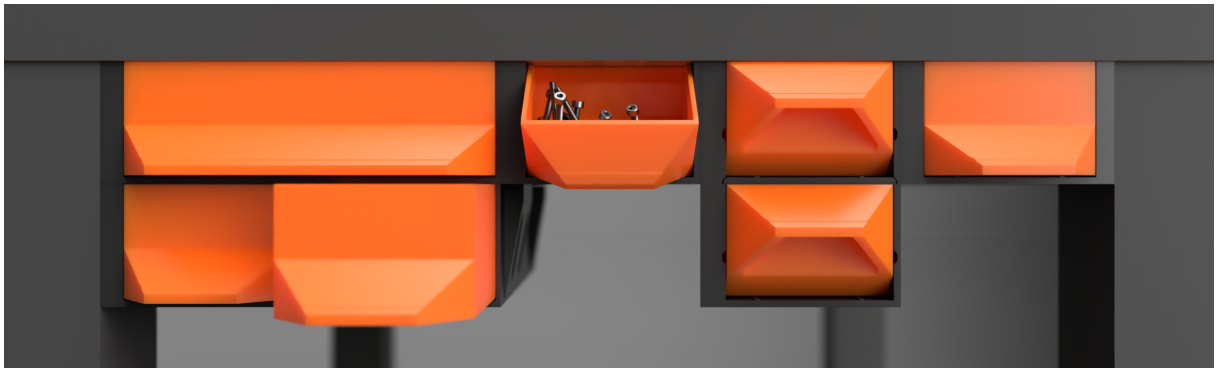
3D Printers > Other Printer Parts & Upgrades

Tags: table box organizer tool ikea wrench holder desk container enclosure storage storagebox lack tray magnetic bin cabinet toolholder screwdriver bench caddy drawer workbench wide double stack chamber canister

Check out the new Gen2 Models HERE

Is your print enclosure "lacking" storage? Well I have the solution for you! The Lack Enclosure Drawer unlocks the incredible enhancement of storage for your enclosure in a new and exciting way.

*Also works great as an addition to any workbench



Features:
• Seamless alignment for that oh-so-clean look.
• Lack Drawers also include optional slots for magnets (20x5x2mm) allowing drawers to snap into place with a nice "Click"

Print instructions

INTRO
These drawers can be configured in a number of ways. To simplify assembly the drawer cases are alphanumerically identifiable.
• R1 and R2 cases are design only for drawers on the right side end.
• In a stacked arrangement A1, A1-D, and R1 are all considered top row while A2, A2-D, and R2 are considered second row.
• Previous versions of the drawers are backwards compatible. They are considered either A1 or R1.

HARDWARE

• Screws: 3x12mm wood screw or #4 x 3/4 inch screws (Thanks AxioN)
• Screwdriver & Hex Bits (Optional print for a low profile screwdriver HERE) (I highly recommend these long hex bits HERE)
• M2x6 or M2x10 Screws and M2 nuts (Used for attaching rows of drawers together)
• Drill bit that is smaller diameter than the wood screws
• 20x5x2mm Magnets
• (Optional) Insert Mats and Dividers

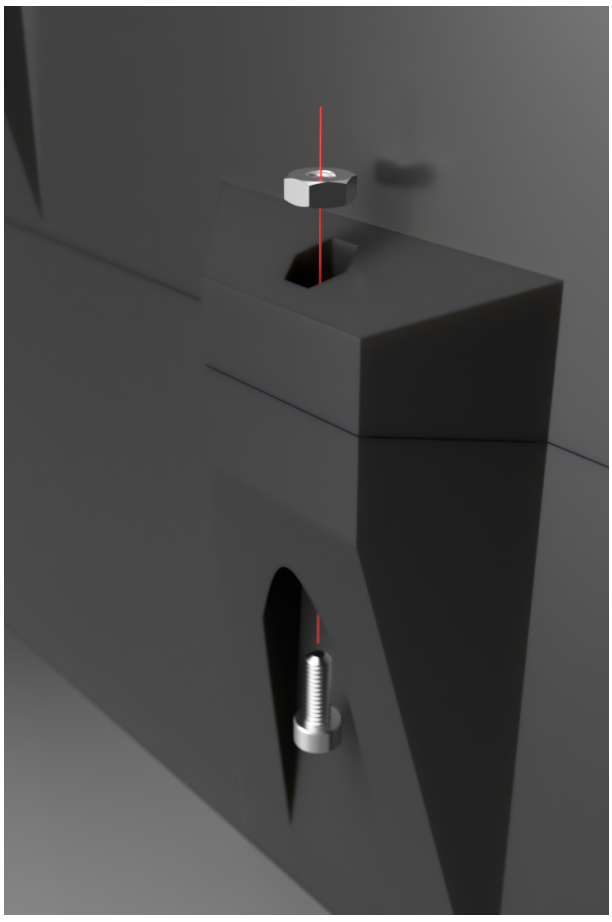
INSTRUCTIONS

• Use printed templates to mark the hole locations on the surface you are mounting the drawer case to.

• Drill out marked locations

• Make sure optional magnets are installed into drawer case.

• Screw drawer case in place. (If you have trouble with this step try out the Slim Hex Screwdriver HERE and the long hex bits HERE)



• Insert magnets into drawer and slide in place. (If the magnets are opposing rather than attracting you need to reinstall them facing the opposite direction.)

• If installing second row of drawers you will need to insert the M2 nuts into the hex slots on the A1, A1-D or R1 case. (Using a long M2 screw threaded into the hex to pull it in place is an easy way to do this.)

• Attach A2, A2-D or R2 cases to the above hex nuts using M2x6 screws
• For the A1-D case, if you are installing single drawers under it you will need to use the 2 hex slots in the middle under the tray. You may need to use M2 washers to limit how far the screw threads

protrude up otherwise it will obstruct clearance for the drawer.

Filament: PLA (PETG or ABS for heavier duty storage)
Nozzle Size: 0.4mm
Print Height: 0.2-0.35mm
Infill: 10-20%

COMPATABLE PRINTS

Lack Tilt Drawers

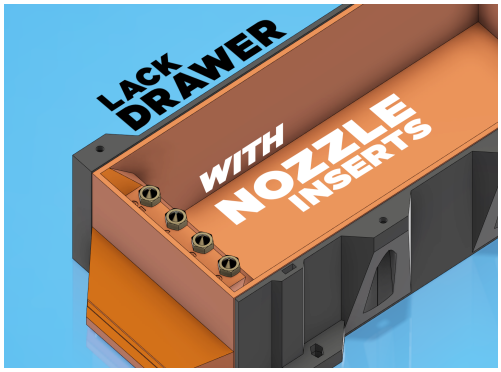
Available HERE

Lack Double Tilt Drawers

Available HERE

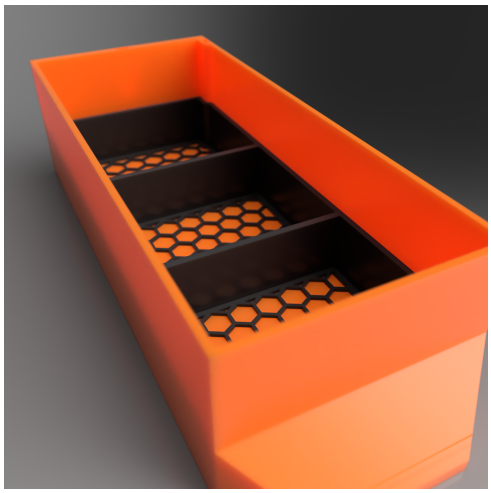
Lack Drawer with Nozzle Inserts

Available HERE



Lack Drawer Insert Mats and Dividers

Available HERE



Design Update 02/13/2021 | V3.0
• New optional stackable design (up to 2 rows)
• Double width drawer
• Improved screw hole for better print quality
• NO GLUE! Replaced magnet groves with slots made for 20x5x2 magnets
• Backwards compatible with previous versions

Design Update 02/08/2020

Modified "drawer-case":
• Added additional screw tabs to Drawer Case (This new design is compatible with older versions of the drawer case)
• Improved access for easier screw installation

Added "far-right-side-drawer-case" (Optional)
• Designed as the last drawer case used on the far right of your enclosure
• Covers gap on right side of drawer previously discovered when using the regular "Drawer Case" as the far right drawer.
• Screw hole relocated for easier installation around lack table leg.

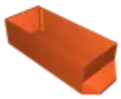
Added "right-side-gap-filler" (Optional)
• For those who downloaded the older version of the "drawer case" and used it as the far right side drawer case, this small piece fills the gap between the drawer case and the lack enclosure leg.

Please feel free to use and modify and build on my design. Not required but if you do modify the design I'd greatly appreciate a shout out. Happy Printing!

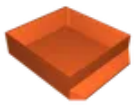
PRUSA MINI EDITION Now Available!

Model files

Drawers 2 files

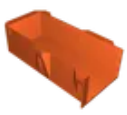


drawer-single.3mf



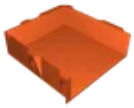
drawer-double.3mf

2nd Row Drawers Cases 3 files



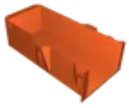
a2-case.3mf

2nd Row Drawer Case



a2-d-case.3mf

2nd Row Double Drawer Case

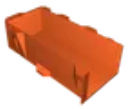


r2-case.3mf

2nd Row Right Drawer Case - For far right drawer only

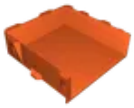
Top Row Drawers Cases

3 files



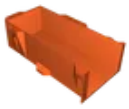
a1-case.3mf

Top Drawer Case



a1-d-case.3mf

Top Double Drawer Case



r1-case.3mf

Top Right Drawer Case - For far right drawer only

Tools & Accessories

3 files

drill-template-single.3mf

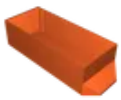
drill-template-double.3mf

right-side-gap-filler.3mf

Covers the gap created when using a case not indended for the far right drawer

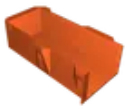
Legacy Models

3 files



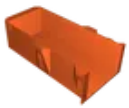
old-v2-drawer.3mf

Include Round Glue Magnet Design



old-v2-drawer-case.3mf

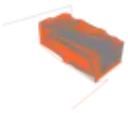
Include Round Glue Magnet Design



old-v2-far-right-side-drawer-case.3mf

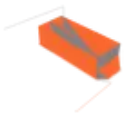
Include Round Glue Magnet Design - Far right side only

Print files



a1-case.gcode

PET 0.40 mm 0.20 mm 9.19 hrs 107 g Prusa MK3/S/S+



drawer-single.gcode

PET 0.40 mm 0.20 mm 7.89 hrs 98 g Prusa MK3/S/S+

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