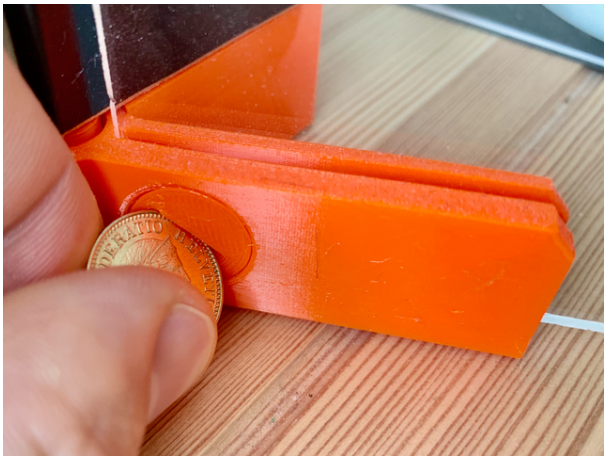


Lack Locking Hinges & Knobs

Uko

VIEW IN BROWSER

updated 9. 7. 2020 | published 9. 7. 2020

Summary

I was always frustrated with the original Lack Enclosure because the knobs were constantly falling off, and the hinges...

13.81 hrs	4 pcs	0.15 mm	0.40 mm	PET	89 g	Prusa MK3/S/S+

3D Printers > 3D Printers - Upgrades

Tags: knob door enclosure ikealack lock hinge lack knobs doors fix secure hinges stable ikealackenclosure locking plexiglass

I was always frustrated with the original Lack Enclosure because the knobs were constantly falling off, and the hinges were not holding the doors well (especially, when you lift the enclosure, the doors could just fall off).

I got an idea from a bookcase of my parents that had glass doors. The doors were mounted in metal hinges that had plastic bolts with rubbery tips, to grip the glass well.

This remix has four hinges used to hold the plexiglass doors as well as two knobs. There are left and right variants so you can use the same nuts for all of them (mirroring would screw-up the thread direction).

Important: the knobs have internal cavities for the magnets!! So you have to pause the print and insert the magnets before the cavity is sealed. The provided gcodes do that. I fixed my magnets in the official model with a CA glue, and they were occasionally falling out.

Important #2: I did this remix a long time ago when I was tweaking my enclosure and there is a chance that the hinges may be slightly larger than the original ones. Please let me know if something does not work.

Print instructions

Recommended layer height: 0.15mm (so the threads inter-operate well).

!! When printing knobs you have to pause the print and insert the magnets before the cavities are sealed

This remix is based on



Original Prusa i3 MK3 ENCLOSURE -Ikea Lack table - Prusa Research

by Dominik Císař

Model files



all.3mf



bolt.stl



knob-right.stl



knob-left.stl



top-hinge-right.stl



top-hinge-left.stl



bottom-hinge-right.stl



bottom-hinge-left.stl

Print files



all_015mm_petg_mk3s_6h54m.gcode

PET 0.40 mm 0.15 mm 6.91 hrs 45 g Prusa MK3/S/S+



knobs_015mm_petg_mk3s_1h58m.gcode

PET 0.40 mm 0.15 mm 1.97 hrs 12 g Prusa MK3/S/S+



hinges_015mm_petg_mk3s_4h20m.gcode

PET 0.40 mm 0.15 mm 4.34 hrs 28 g Prusa MK3/S/S+



bolts_015mm_petg_mk3s_36m.gcode

PET 0.40 mm 0.15 mm 0.59 hrs 4 g Prusa MK3/S/S+

License

This work is licensed under a
Creative Commons (4.0 International License)

Attribution-ShareAlike

✖ | Sharing without ATTRIBUTION
✔ | Remix Culture allowed
✔ | Commercial Use
✔ | Free Cultural Works
✔ | Meets Open Definition