



Lockable Side Drawers for Prusa MK3/MK4 (logo MK3 and MK4)



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Summary

Based on the excellent work of "djedje_zr7", my remix mainly provides a "locking" feature to the drawers.



29.48 hrs



12 pcs



0.30 mm



0.40 mm



PET



517 g



Prusa
MK3/S/S+

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Tags: [upgrade](#) [mod](#) [lock](#) [drawers](#) [prusai3mk3](#)

rocBased on the excellent work of "djedje_zr7", my remix mainly provides a "locking" feature to the drawers and some minor improvements.

All modifications and improvements from original design:

- "Locking" feature for the drawers. Now, they stay closed when you move your printer ;)
- More regular/symmetrical hexagonal pattern for the boxes.

- No feet and locking tabs embedded in the new box design for the locking feature.
- Drawers are plain (no hexagonal pattern)
- Drawers has been purified to get a more “streamlined style” (personal taste).
- Cover with MK4 logo available.

Version	Description	Date
A.1	Initial Release	09/07/
A.2	Add missing counterbores in “shortbox_right” files. Thx Lumbi .	11/07/
A.3	Add 3mm of thickness externally at the holes locations of the long boxes to avoid bowing/skewing due to the width of the printer front plate. Thx ChiTownGuy for the remark.	16/06/
A.4	Add covers with MK4 logo. Thx ChiTownGuy for the idea.	21/06/
A.5	Add maintenance procedure. Thx Jan_Tschään .	29/10/

Printing Instructions

1. Drawers

- PETG for stiffness.
- Layer Height: 0,3 mm (0,2 mm for the first layer).
- 2 Perimeters.
- Detect Bridging Perimeters.
- Brim width: 7 mm.
- No supports for the long drawers.
- Add enforced support under the flat handle for the short drawers.
- User variable layer height to improve the accuracy of the slope in the locking grooves (0,2 mm or less).

2. Boxes

- PETG for stiffness.
- Layer Height: 0,3 mm (0,2 mm for the first layer).
- 2 Perimeters.
- Detect Bridging Perimeters.
- No supports.

Maintenance Procedure

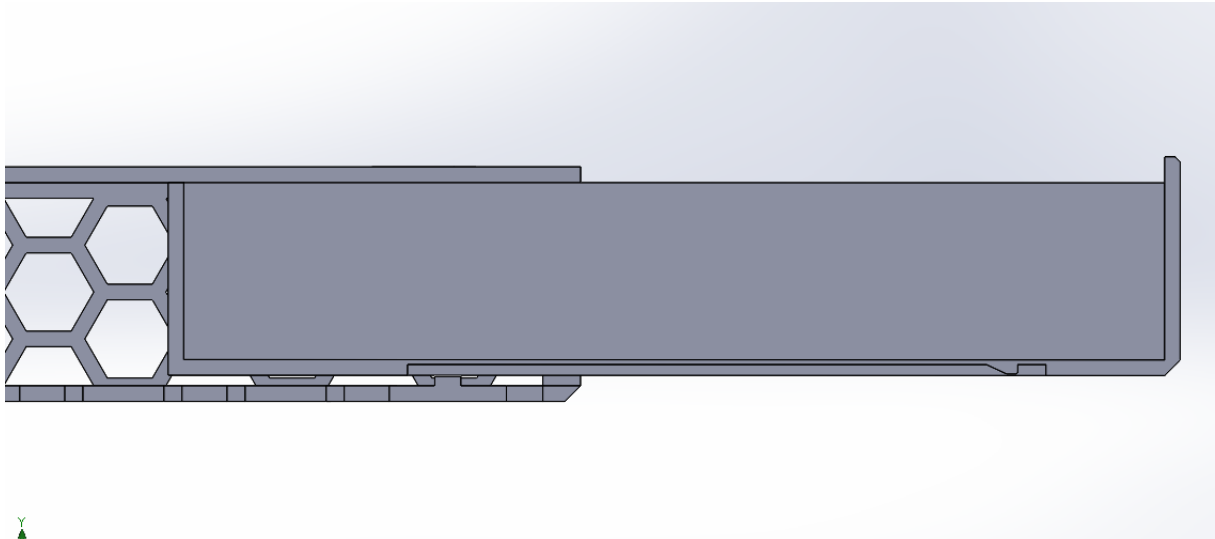
Imagine you want to remove the drawers for cleaning ? How to do it as one of the screw is hidden even when pulling out the sliding part (the drawer itself) ?

Easy:

1. Fully pull out the sliding part (the drawer itself).

2. Push up the sliding part against the cover while keeping it horizontally.
3. Pull, that's it !

Why? Because as you can see in the next picture, when the drawer is against the cover, it will slide just above the stops.



To mount it again, just push slide it against the cover and then let it go.

Notes

- All covers provided by "djedje_zr7" are still compatible.

Have a nice print !

Last note! I've spent quite a lot of time designing, iterating and prototyping on all my models. Therefore, if you enjoy them, please don't forget to like+download and then rate them, so that I can earn so prusaments to continue ;)

This remix is based on



Side drawers for PRUSA MK3 I3

by djedje_zr7

Model files

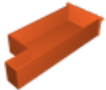


Short Drawer (3MF Files)

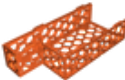
6 files



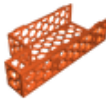
sidedrawer_shortdrawer_left.3mf



sidedrawer_shortdrawer_right.3mf



sidedrawer_shortbox_left.3mf



sidedrawer_shortbox_right.3mf



sidedrawer_shortcover_left_logomk4.3mf

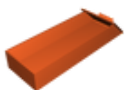


sidedrawer_shortcover_right_logomk4.3mf

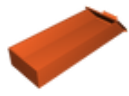


Long Drawer (3MF Files)

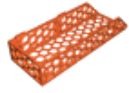
6 files



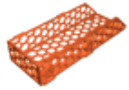
sidedrawer_longdrawer_left.3mf



sidedrawer_longdrawer_right.3mf



sidedrawer_longbox_left.3mf



sidedrawer_longbox_right.3mf



sidedrawer_longcover_left_logomk4.3mf



sidedrawer_longcover_right_logomk4.3mf



Short Drawer (STL-STEP Files)

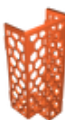
6 files



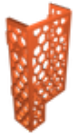
sidedrawer_shortdrawer_left.stl



sidedrawer_shortdrawer_right.stl



sidedrawer_shortbox_left.stl



sidedrawer_shortbox_right.stl



sidedrawer_shortcover_left_logomk4.step



sidedrawer_shortcover_right_logomk4.step



Long Drawer (STL-STEP Files)

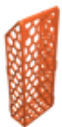
6 files



sidedrawer_longdrawer_left.stl



sidedrawer_longdrawer_right.stl



sidedrawer_longbox_left.stl



sidedrawer_longbox_right.stl



sidedrawer_longcover_left_logomk4.step



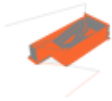
sidedrawer_longcover_right_logomk4.step

Print files



Short Drawer

6 files



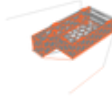
petg_sidedrawer_shortdrawer_left.gcode

PET 0.40 mm 0.30 mm 4.92 hrs 96 g Prusa MK3/S/S+



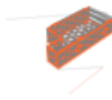
petg_sidedrawer_shortdrawer_right.gcode

PET 0.40 mm 0.30 mm 4.93 hrs 96 g Prusa MK3/S/S+



petg_sidedrawer_shortbox_left.gcode

PET 0.40 mm 0.30 mm 4.72 hrs 60 g Prusa MK3/S/S+



petg_sidedrawer_shortbox_right.gcode

PET 0.40 mm 0.30 mm 4.73 hrs 60 g Prusa MK3/S/S+



sidedrawer_shortcover_left_logomk4.gcode

PET 0.40 mm 0.30 mm 1.93 hrs 40 g Prusa MK3/S/S+



sidedrawer_shortcover_right_logomk4.gcode

PET 0.40 mm 0.30 mm 1.93 hrs 40 g Prusa MK3/S/S+



Long Drawer

6 files



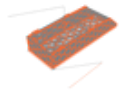
petg_sidedrawer_longdrawer_left.gcode

PET 0.40 mm 0.30 mm 6.08 hrs 123 g Prusa MK3/S/S+



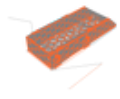
petg_sidedrawer_longdrawer_right.gcode

PET 0.40 mm 0.30 mm 6.11 hrs 118 g Prusa MK3/S/S+



petg_sidedrawer_longbox_left.gcode

PET 0.40 mm 0.30 mm 5.46 hrs 71 g Prusa MK3/S/S+



petg_sidedrawer_longbox_right.gcode

PET 0.40 mm 0.30 mm 5.43 hrs 71 g Prusa MK3/S/S+



sidedrawer_longcover_left_logomk4.gcode

PET 0.40 mm 0.30 mm 2.22 hrs 46 g Prusa MK3/S/S+



sidedrawer_longcover_right_logomk4.gcode

PET 0.40 mm 0.30 mm 2.22 hrs 46 g Prusa MK3/S/S+

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