



## Improved Prusa LACK Enclosure Levelling Feet



fasteddy

[VIEW IN BROWSER](#)

updated 20. 3. 2022 | published 20. 3. 2022

### Summary

A better way to level your Prusa LACK Enclosure!



16.37 hrs



2 pcs



0.20 mm



0.40 mm



PET



200 g



Prusa  
MK3/S/S+

[3D Printers](#) > [3D Printers - Upgrades](#)

Tags: [ikea](#) [diy](#) [enclosure](#) [lack](#)

This is an updated version of my [Prusa LACK Enclosure Levelling Feet](#). Like the original version, these feet can be used to level your enclosure on uneven floors, and - optionally - anchor the enclosure in place. This updated version has the following improvements:

- Removable side panel to allow easy adjustments to levelling plates **without having to remove the feet!** (Thanks to [@islander2013](#) for the awesome suggestion!)
- Optional retention screw slot to keep feet attached to the enclosure while still allowing height adjustment. (The slot also doubles as an access port for pushing levelling plates out if needed.)

- Optimized chamfered screw hole positions for attaching to legs/floor, and combined them into a single model.

Just print the feet, print a set of levelling plates, then mix and match plate thicknesses in the feet as needed to get your enclosure levelled.

## Print instructions

Please note that the contact area of the side panel to the print bed is fairly small. I have had no issues printing them as-is, but if you have print adhesion issues you may need to add a brim to this part.

Gcode files are sliced for Prusament PETG on an MK3/S using the 0.20mm SPEED MK3 setting. I used 50% infill for the **socket** pieces, and 10% infill, 2 bottom layers, 3 top layers and 3 perimeters for the **plate** parts.

3mf files have been provided for those who wants to do the slicing themselves. The Fusion 360 source file is also available in the files section, and is heavily parameterized for easy tweaking/adjusting.

## This remix is based on



### Prusa LACK Enclosure Levelling Feet

by fasteddy

## Model files



levelling\_foot.3mf



side\_panel.3mf



**plate\_06mm.3mf**



**plate\_12mm.3mf**



**plate\_24mm.3mf**

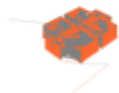


**plate\_48mm.3mf**



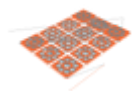
**improved-prusa-lack-enclosure-levelling-feet.f3d**

## Print files



**levelling\_foot\_02mm\_petg\_mk3s\_12h39m.gcode**

⚙ PET ⚙ 0.40 mm ⚙ 0.20 mm ⌚ 12.65 hrs ⚖ 163 g 🖨 Prusa MK3/S/S+  
📄 Prusament PETG, 50% infill



**levelling\_plates\_02mm\_petg\_mk3s\_3h43m.gcode**

⚙ PET ⚙ 0.40 mm ⚙ 0.20 mm ⌚ 3.72 hrs ⚖ 37 g 🖨 Prusa MK3/S/S+  
📄 Prusament PETG, 10% infill, 2 bottom layers, 3 top layers, 3 perimeters

## License

This work is licensed under a  
[Creative Commons \(4.0 International License\)](https://creativecommons.org/licenses/by/4.0/)



## Attribution

---

- ✘ | Sharing without ATTRIBUTION
- ✓ | Remix Culture allowed
- ✓ | Commercial Use
- ✓ | Free Cultural Works
- ✓ | Meets Open Definition