

## Prusa Enclosure Tool Holder

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### Summary

Modular tool holder mounted on the side of the Prusa Enclosure (Print Sheets, spray bottles, glue, hex keys, ...).

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### Print Sheet & Tool Holder for Prusa Enclosure

I needed a way to have all the regularly used tools handy and therefore designed a tool and print sheet holder to be attached to the Prusa Enclosure. I was inspired by [this tool holder](#) by [Prusa](#) themselves and used many of it's elements.

#### Overview

The tool holder can fit

- 2 spray bottles (water and isopropanol for me)
- glue stick
- hex keys used for the assembly
- other tool hanging on the rim

The tool holder can be attached to the enclosure without the print sheet holder.



The print sheet holder fits

- 1 PEI print sheet
- 2 powder coated sheet

It can be assembled together with the tool holder.

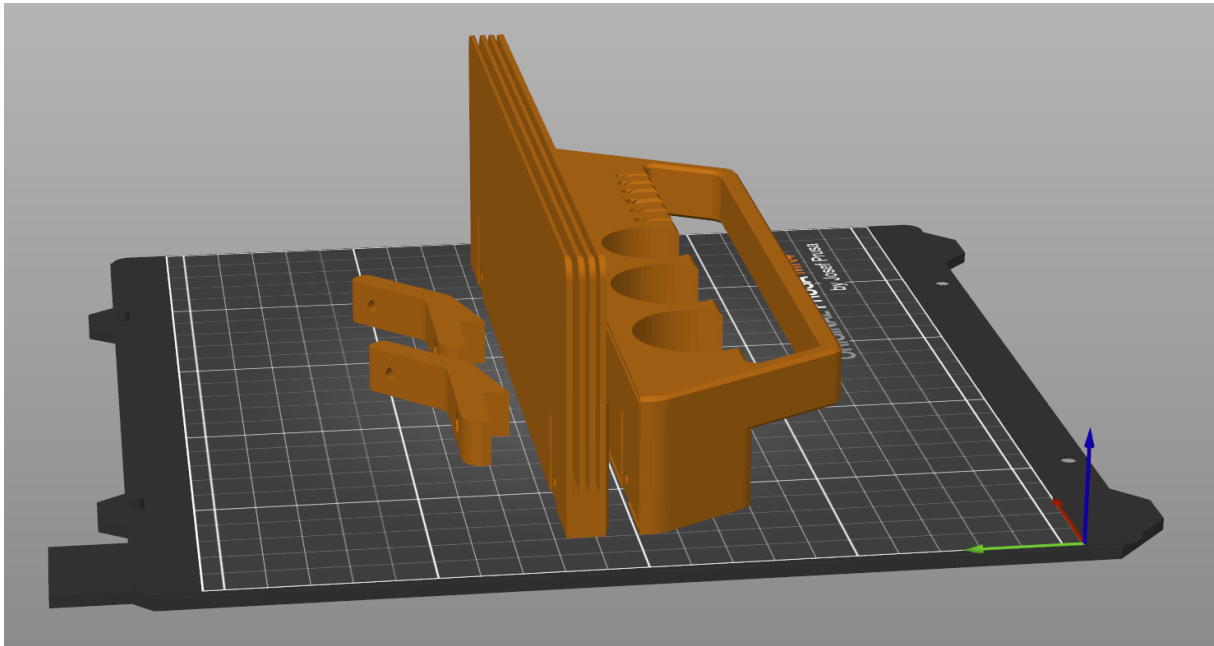




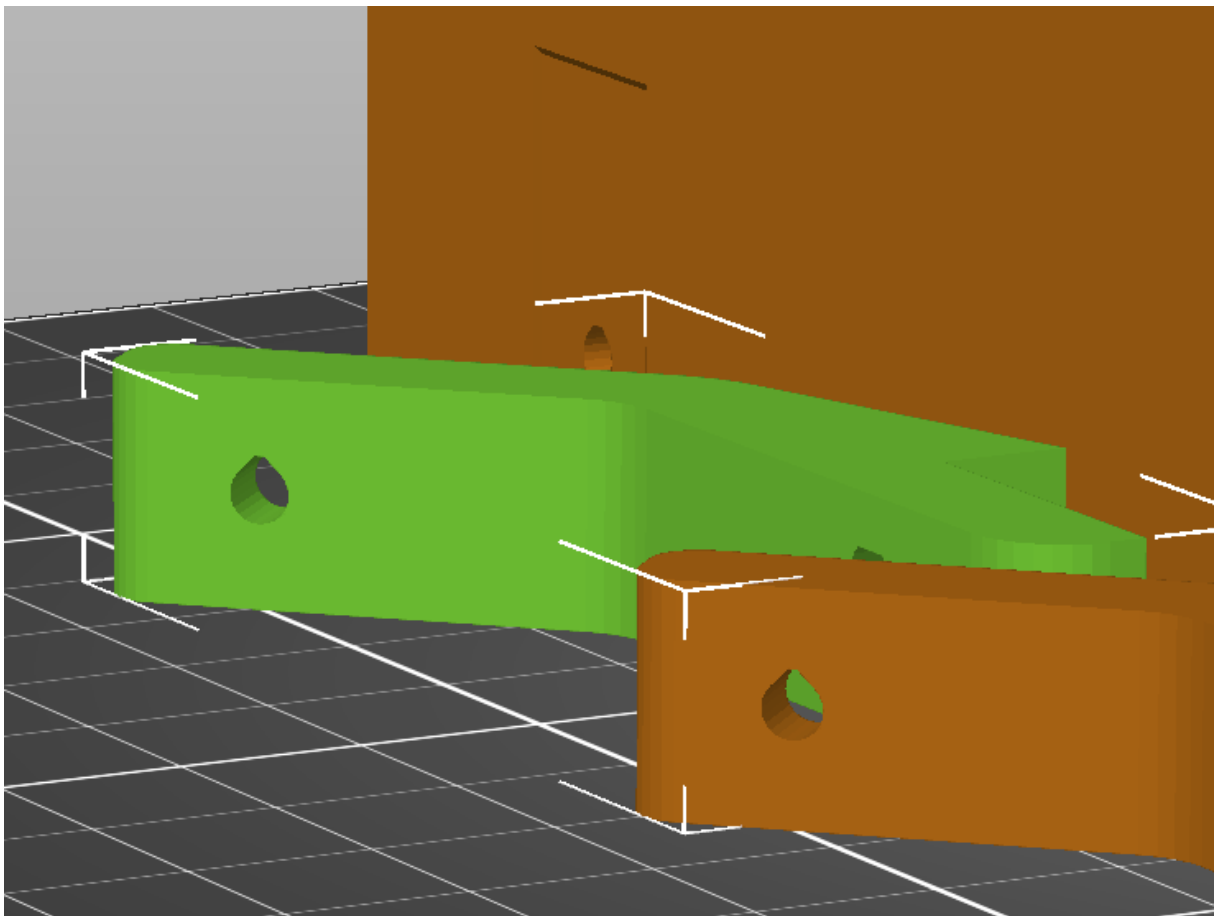
## Print

I printed my parts using Prusament Galaxy Black PETG. It fits very nicely with the look of the enclosure. The \*.3mf file should include all the settings, including supports which are described below for the stl file.

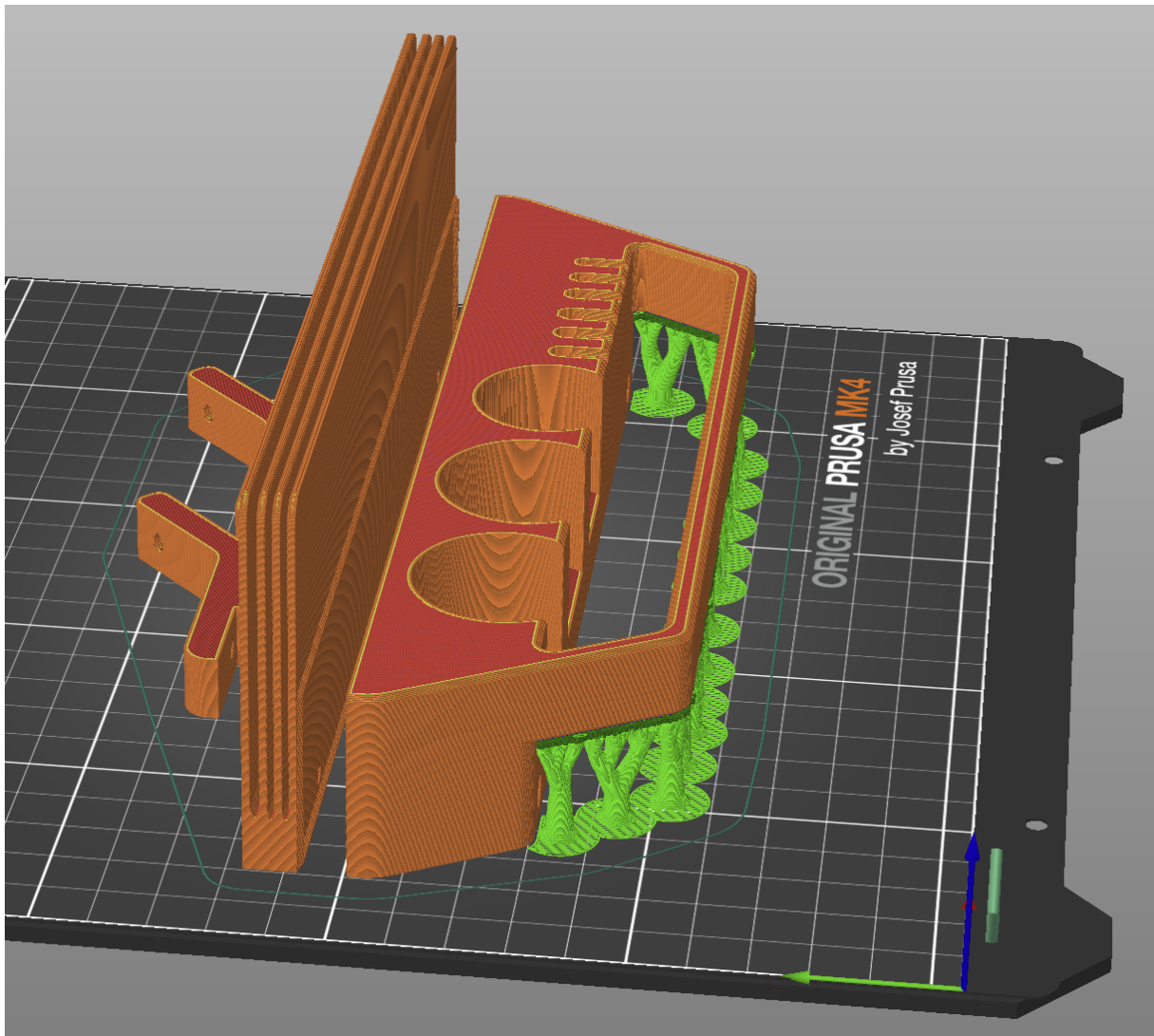
Alternatively, in Prusa Slicer, import the \*.stl file and split into individual objects.



Make sure to print the enclosure connectors on the side, so the tear shaped screw holes are the right way up.



The rim of the tool holder needs supports:



If you want to print the tool holder only - simply delete the print sheet holder

### **Assembly**

If you're going for the tool holder only, you need

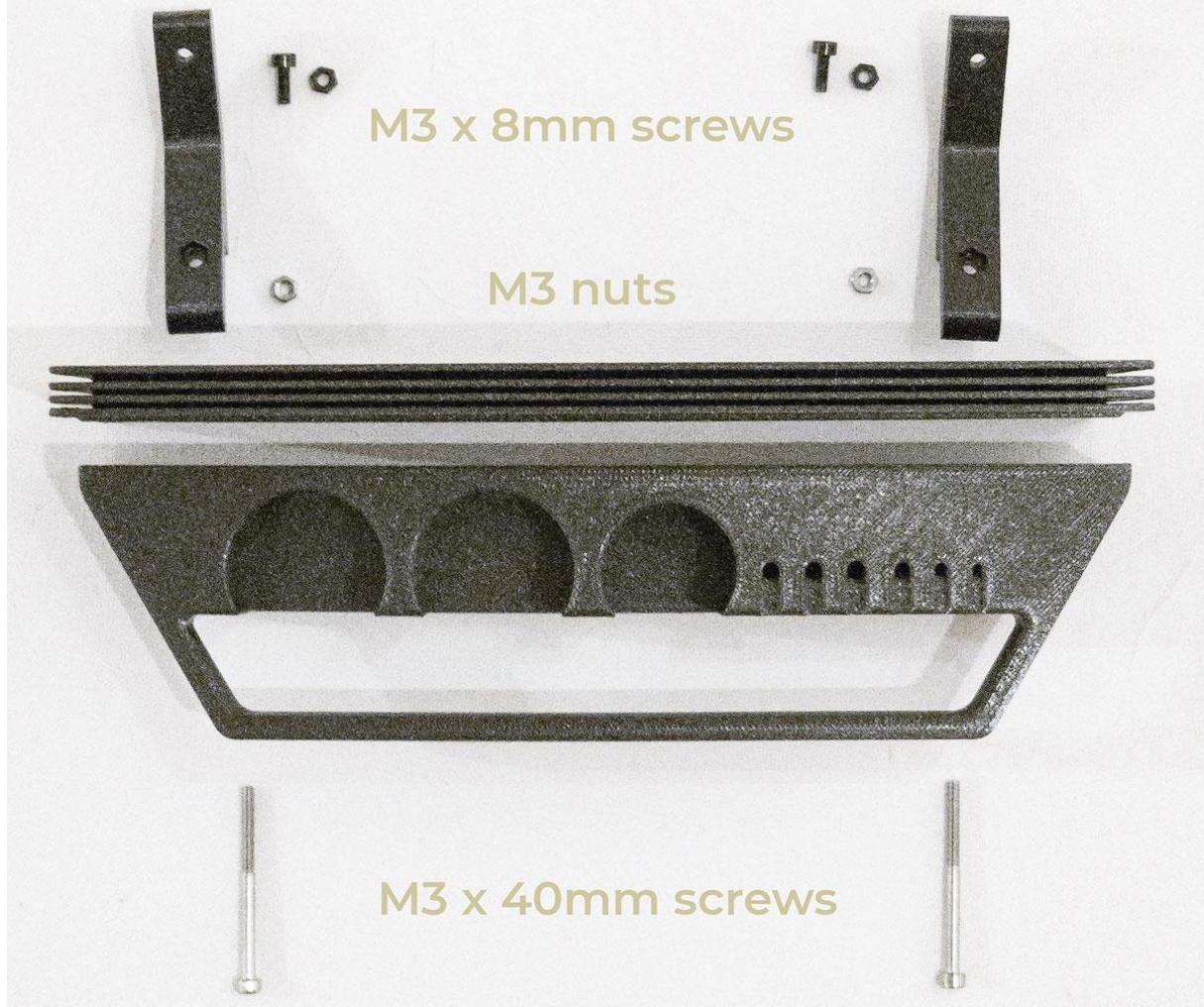
- 2 x M3 x 8 mm screw
- 4 x M3 hex nut
- 2 x M3 x 30 mm screw





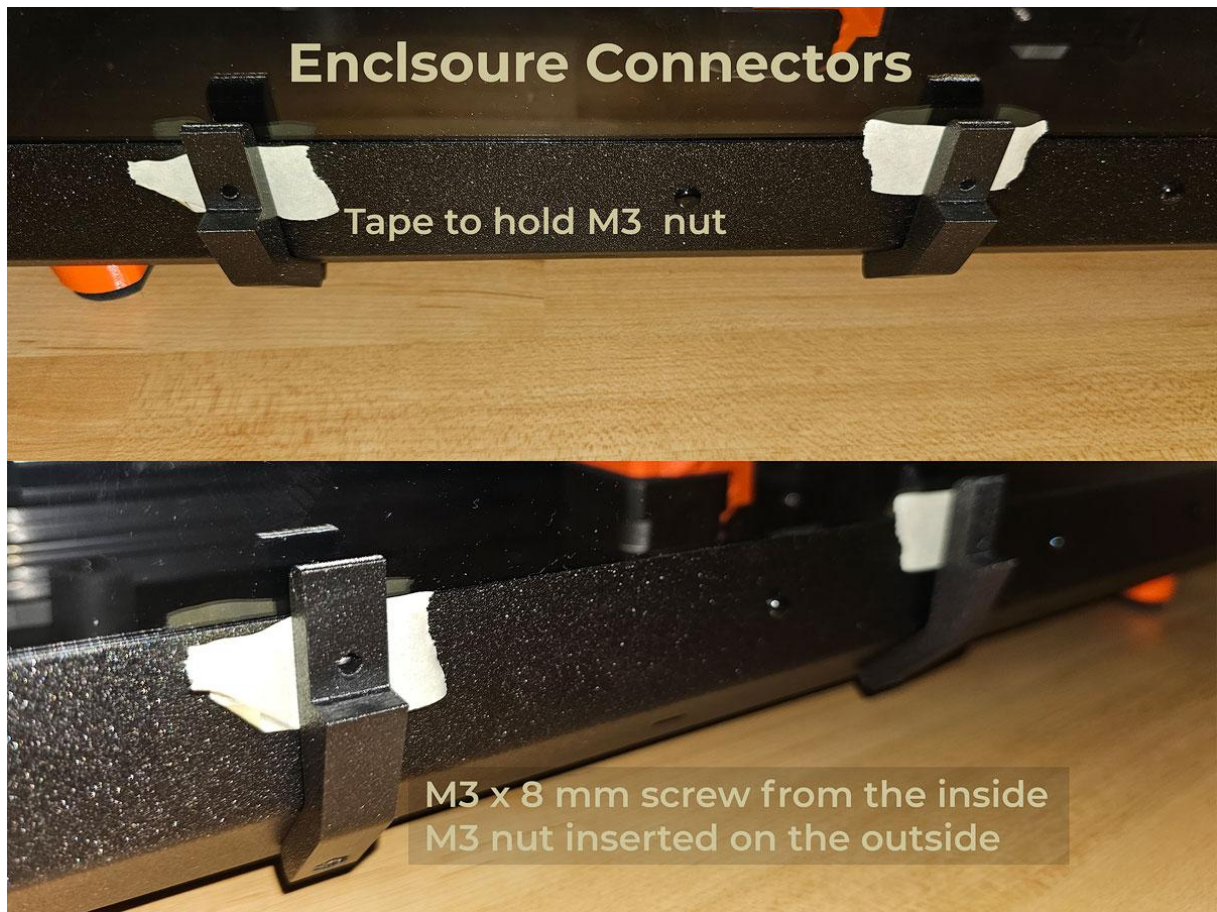
For the combination with the print sheet holder, replace the 30 mm screws by 40 mm ones.

## Sheet- & Tool Holder

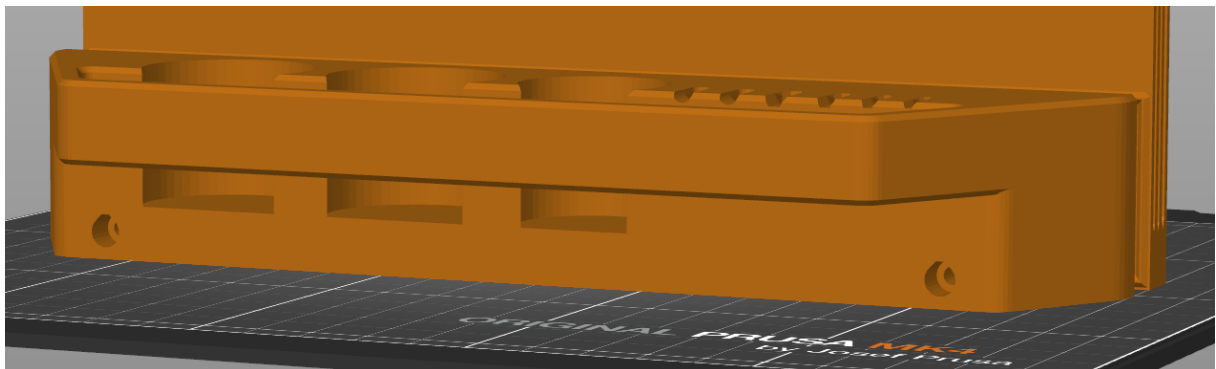


Insert the four M3 nuts into the enclosure connector. I used some tape to hold them in place. Using the M3 x 8mm screws, attach both connectors to the enclosure. Use the holes on the bottom 45° angled metal sheet. The screw goes from the inside of the enclosure through the connector to the inserted nut.





Then attach either the tool holder alone, or both the sheet holder and the tool holder. Use the two longer screws and lead through the holes of the tool holder in the front through to either the connector, or both the sheet holder and the connector.



This is how the assembly looks like once connected





**Tool Holder only**

Assembled using two M3 x 30 mm screws



Then add your tools and you're done

Holder only









with the sheet holder







## Model files



prusa-enclosure-tool-holder.stl





prusa-enclosure-tool-holder.3mf

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