



Filament roll holder

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[VIEW IN BROWSER](#)

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Summary

Minimalist printed filament holder



1.31 hrs



1 pcs



0.20 mm



0.40 mm



ASA



12 g



Prusa
MK3/S/S+

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Small, yet effective filament roll holder that you can mount to a wall, roof or under a desk to store your filament roll. I recently built the Mk3 Lack Enclosure v2 (the one for the MMU), but I do not have an MMUnit. I wanted to have the rolls inside the enclosure so I didn't have to put more holes in the enclosure than needed, and found room between the printer and the upper table part.

The part has a rounded space for the filament roll to drop down into. You only need to print two, but I would suggest printing a third for better support for the weight, stability and movement axis.

If you print this on it's "back" (like shown in the picture from the slicer), you don't need any supports other than for the screw holes. The screw holes are designed to fit the 5×20 mm pan head screw that you need to build the enclosure.

This is great use for that final 4-5 meters of filament you have left on your spool.

Also, I did YOLO the placement of the holders, that's why there's extra screwholes in the pictures xD

/!\ WARNING! /!

If you are going to print from these like I do in my cabinet, you need guides for the filament. Either a bowden tube or a printable guide. I use two [Filament Guide by Matt Boyer](#) (one for each roll)

If you do not have a guide, and you're using prusament, the filament will snag on the 2 cutouts in the filament roll, and the pull force will either rip the filament spool lose or actually lift the printer.

You should also use something more heat resistant than PLA, like PET-G or ABS/ASA. I used ASA as I had that laying around.

Model files

filament-roll-holder.stl



Print files

filament-roll-holder_02mm_asa_mk3s_1h19m.gcode



⚙ ASA ⚙ 0.40 mm ⚙ 0.20 mm ⌚ 1.31 hrs ⚖ 12 g 🖨 Prusa MK3/S/S+

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