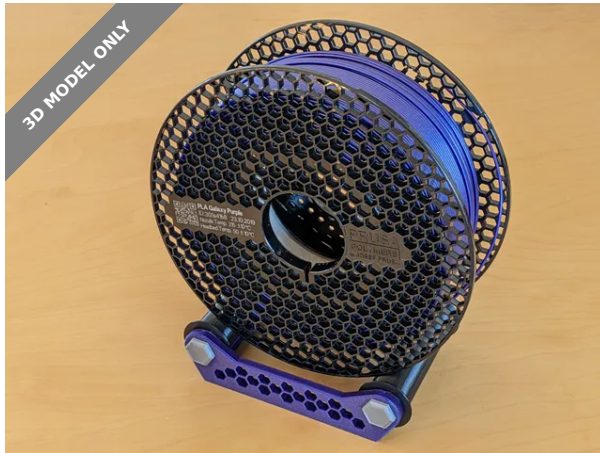




Filament Spool Holder 2021



misterT

[VIEW IN BROWSER](#)

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Summary

The filament spool holder 2021. Just another filament spool holder with 608 bearings for a smooth ride.

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Simple. Functional. Beautiful.

I didn't like details of other filament spool holders/rollers, so I designed my own. The roller use 4x bearings (type 608). The standard width supports spools up to 80mm width and works well with spools from Prusament, DasFilament, Eryone and many others. There is also a version for larger spools up to 100 mm. Let me know if you need other widths, I can easily adjust the model.

I added an undecorated version of the base as well as step files. Get crazy with your styling and modifications. :-)

Share your thoughts and makes! Happy printing!!!

(Filament used for the base in pictures: Prusament PLA Galaxy Purple)

Printing instructions

Recommendet settings:

- Material PLA or PETG
- Layer height: in general 0.2 mm. For the pins 0.15 mm for finer resolved threads
- Infill: 20%
- Perimeters: 3
- Supports : I printed it without supports and it works well

Parts to print: 1 x base, 2 x rollers, and 4 x pins

Important note: The clearance of the pin can be very tight, depending on your printer, settings and material. I suggest printing one pin to test. If necessary, increase the clearance by shrinking the pin slightly in X&Y direction in the slicer.

Total print time: about 8 hours

Assembling

You need 4x 608 bearings (can be found on amazon or elsewhere). Press the bearings into the rollers. The pins hold the rollers and need some force to screw them into the base, but this also means they stay in place when installed. I used a wrench for help. If this does not work for you, your printer and material might produce slightly different tolerances and friction. In this case, I recommend increasing the clearance by shrinking the pin in X&Y direction.

This remix is based on



Slightly Okay Spool Roller

by Mr 3d Print Wizard

Model files



Width 100

5 files



base_width100_undecorated.step



base_width100_hex.stl



base_width100_undecorated.stl



roll_width100.stl

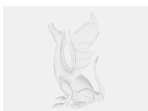


roll_width100.step



Width 80

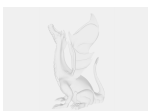
5 files



roll_width80.step



roll_width80.stl



base_widht80_undecorated.step



base_width80_undecorated.stl



base_width80_hex.stl



pin.stl



pin.step

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