



Snap-Together "Master Spool" for Loose Filament (eSun Refillament)



engineererrant

[VIEW IN BROWSER](#)

updated 26. 4. 2023 | published 26. 4. 2023

Summary

A quick-printing snap-together spool for eSun's "Refillament." It sucks that, every time you buy filament, you're...

[3D Printers](#) > [Accessories](#)

Tags: [spool](#) [filament](#) [fusion360](#) [masterspool](#) [thingiverse](#)
[esun](#) [esunfilament](#)

A quick-printing snap-together spool for eSun's "Refillament."

It sucks that, every time you buy filament, you're stuck with this absurd non-recycleable polystyrene spool that you just have to chuck in the garbage to be carted off to a landfill somewhere. Repurposing them as storage containers or wheels is cute the first couple times, but after a while, the ever-growing stack of empty black husks starts to wear you down.

I've printed a couple rolls of eSun's loose PLA on this spool without issue. It spins freely, doesn't get snagged, & the little holes make it easy to store the filament when not in use.

You need 2 Side Walls, 3 Bridges, & 2 Retainers. Print at 100% infill, because everything is essentially flat anyways, so why not?

NOTE: the "download all files" thing is broken, & uses old versions - download the files individually plz kthx.

V2 UPDATE - OK OK, fine. I output the thing in millimeters. Are you happy now? OK good. While I was updating it, I changed the construction so you don't keep snapping the little hooks on the bridges - it now uses 2 spin-on disks to retain the sides.

Category: 3D Printer Accessories

Model files



2023-01-10_loose_filament_spool_v2_-_retainer.stl



2023-01-10_loose_filament_spool_v2_-_bridge.stl



2023-01-10_loose_filament_spool_v2_-_side_wall.stl

[Find source .stl files on Thingiverse.com](#)

License ©

This work is licensed under a
Creative Commons (4.0 International License)



Attribution-ShareAlike

-
- ✗ | Sharing without ATTRIBUTION
 - ✓ | Remix Culture allowed

- ✓ | Commercial Use
- ✓ | Free Cultural Works
- ✓ | Meets Open Definition