



The Respool Tool (Respooler Drill Attachment)



LittleSilvr

VIEW IN BROWSER

updated 16. 12. 2022 | published 16. 12. 2022

Summary

Easily and quickly re-spool filament rolls onto others only using a drill, a bit, and this print!



4.00 hrs



1 pcs



0.30 mm



0.40 mm



PLA



82 g



Prusa
MK3/S/S+

[Hobby & Makers](#) > [Tools](#)

Tags: [spool](#) [filament](#) [respool](#)

I recently upgraded and bought my second printer (Bambu Lab X1C) and not only am I finding that I want to do prints on each printer with the same filament but some of my spools don't fit the AMS system.

A lot of the existing respooler tools I found online were convoluted and required many parts and their own setup space. I wanted something that was quick, simple, and didn't take up space.

This tool requires a 3/8" (9.5mm) Socket adaptor drill bit to simply plug into the end of the respooler, pull the trigger, and bam! Respooled.

Just make sure that you **set the drill to speed 1, and torque 6.**
Anything higher will risk the kickback destroying the print.

DO NOT RECCOMEND using on anything greater than a 1kg spool with provided settings, really beef up the perimeters and infill of the whole thing if you do want to try!

If you like what I'm doing and want to help me keep doing it feel free to **Buy me a Nozzle :)**

Hardware Requirements:

- **3/8" (9.5mm) Socket Adaptor Drill Bit**

Print Instructions:

- Any Layer Height
- 15-20% Infill
 - Some strength is needed
- Add modifier around drill bit hole to make 5 perimeters
 - 2 Perimeters will lead to the kickback breaking the print

The 3mf file provided includes the required modifier!

Happy Respooling!

Model files



main-thread.stl



end-cap.stl



respooler-set.3mf

Includes the 5 perimeter modifier just for the bit hole

Print files



respooler-set_03mm_pla_mk3s_4h0m.gcode

⊗ PLA ⊕ 0.40 mm ≡ 0.30 mm ⌚ 4.00 hrs ⚖ 82 g 🖨 Prusa MK3/S/S+

☐ Set the feed rate to 150% to get time down, didn't notice any impact on print quality

License

This work is licensed under a
[Creative Commons \(4.0 International License\)](#)



Attribution—Noncommercial—Share Alike

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