



Bearing Spool Holder for Elegoo Centauri Carbon



Chirimorin

[VIEW IN BROWSER](#)

updated 12. 1. 2026 | published 12. 1. 2026

Summary

A simple dual-bearing spool holder for the Elegoo Centauri Carbon

[3D Printers](#) > [Other Printer Parts & Upgrades](#)

Tags: [spoolholder](#) [spoolmount](#) [bearing](#) [elegoo](#) [centauri](#)
[centauricarbon](#)

This is a simple dual-bearing spool holder for the Elegoo Centauri and Centauri Carbon.

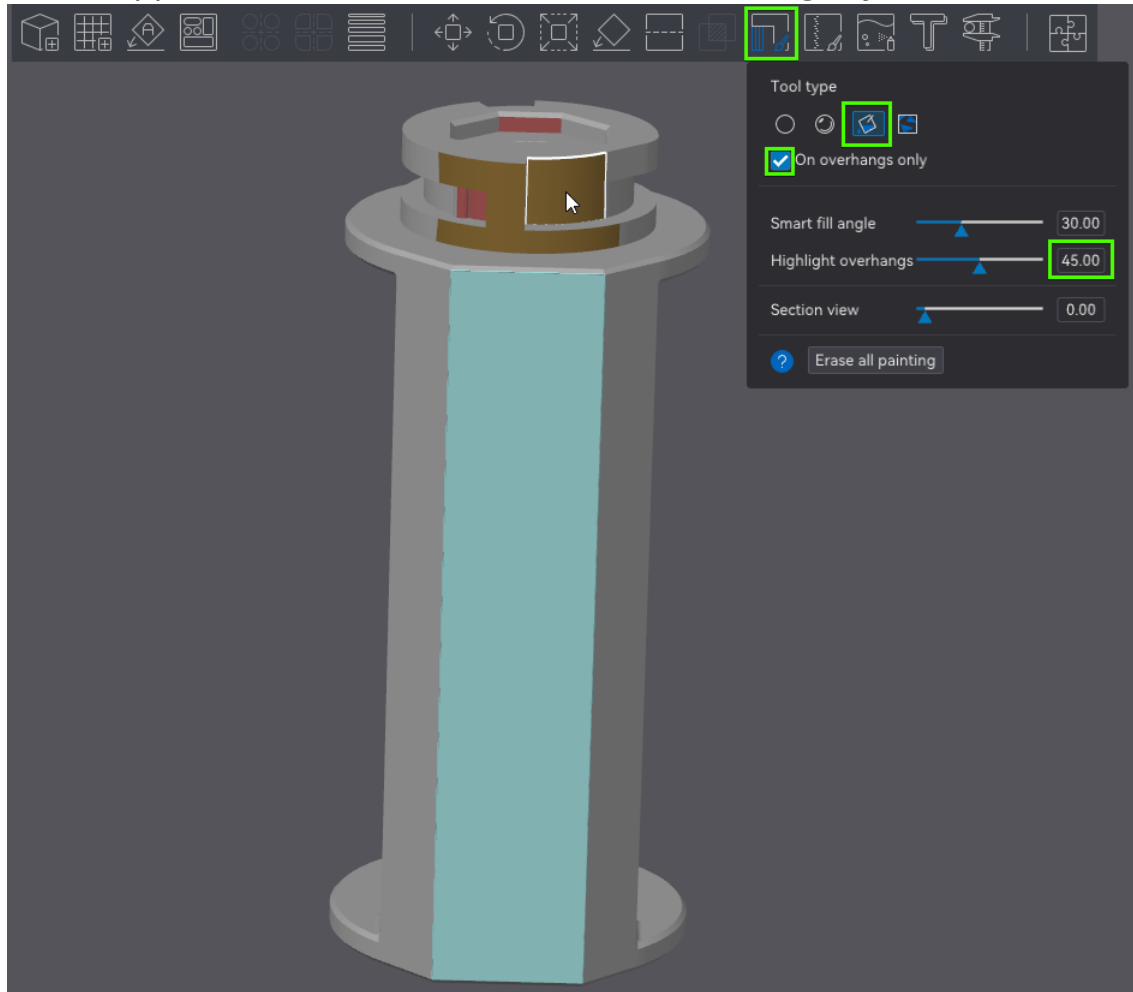
Required hardware

- 608 bearing, x2
I strongly recommend using greased bearings. The grease provides some resistance which helps to slow down the spool when extrusion slows down or stops.
A 608 bearing is 8mm X 22mm X 7mm.

Printing instructions

- PETG or better filament is recommended.
PLA is **not** recommended because it will sag over time.
- All parts are provided in the recommended printing orientation.

- Paint supports on the holder as shown in this image (yellow area):



The roller and pin do not need any supports.

- Support type: tree (manual)
- Wall Loops: 3
- Wall Order: Inner/Outer/Inner
- Infill: 10%-15% of your favourite type of infill.

Assembly & installation

- Insert the bearings on both sides of the roller



- Put the roller on the holder



- Push the pin in until the flat part is flush with the end of the connector, lift the roller slightly to align the bearings as needed. Note that this may require some force, but it should fit without

having to sand any surfaces.



- Finally insert it into the spool holder mount on the printer and rotate it until it clicks into place.



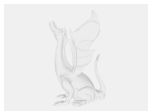
Additional notes

- The supported area of the connector will probably end up looking a bit rough. This will not affect the functionality and won't be visible once installed on the printer.
- If the seam on the roller is rough it may affect smooth rolling. If this is the case for you, simply sand down the seam a bit.

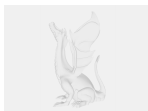
Model files



spool-holder.step



roller.step



center-pin.step



spool-holder.stl



roller.stl



center-pin.stl

License

This work is licensed under a
[Creative Commons \(International License\)](https://creativecommons.org/licenses/by/4.0/)



Public Domain

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