



Spool holder for Printed Solid enclosure, ball bearing version



Cedric Eveleigh

[VIEW IN BROWSER](#)

updated 16. 7. 2023 | published 16. 7. 2023

Summary

Spool holder for Printed Solid enclosure, upgraded with ball bearings for minimal friction.

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

Tags: [enclosure](#) [printedsolid](#) [spoolholder](#)

This spool holder is for the Printed Solid enclosure: <https://www.printedsolid.com/products/next-gen-safety-enclosure-for-prusa-style-printers>

This is an evolution of this spool holder (<https://www.printables.com/model/206236-spool-holder-for-printed-solid-enclosure>), with a big reduction in rotation friction by having the spool spin on bearings instead of sliding on a supporting shaft.

In addition to the two printed parts, you'll need a ~113mm long M6 threaded rod, two M6 nuts, and two 696 bearings.

I recommend printing the parts out of PETG, ASA, or other plastics with more temperature resistance than PLA. Also, print with a brim.

Here's the Onshape CAD model in case you want to copy and modify it:
<https://cad.onshape.com/documents/22cb06e9596a85f495c3ba4a/w/177f72f66219baa6eee97515/e/c0b99e3b331411522284d059?renderMode=0&uiState=64a1a0179d16c55a5cfee452>

Model files



spool-holder-centerpiece.stl



spool-holder-base.stl

License

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



Public Domain

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