



# Universal Dessiccant Spool Holder



William Fischer

[VIEW IN BROWSER](#)

updated 28. 11. 2023 | published 28. 11. 2023

## Summary

A Universal Dessiccant in Spool Holder will fit all popular filament. Let me know if you find any that it does not fit.

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

Tags: [spool](#) [holder](#) [print](#) [drybox](#) [filament](#) [material](#) [heater](#) [easytoprint](#) [printinplace](#) [easy](#) [humidity](#) [dryer](#) [dessiccant](#) [moisture](#) [universal](#) [in](#) [permanent](#) [awesome](#) [contest](#) [winner](#) [easyprint](#) [simple](#) [best](#) [place](#) [dryboxspoolholder](#) [humid](#) [noneedtoremove](#) [coolest](#)

I needed some Dessiccant holders that went into the spool but when I looked around all I could seem to find was brand specific holders. So, I decided to create my own version. Will fit spools with a bore diameter from 48-68mm with a thickness from 56-90mm. The male and female sections print as normal out of whatever material you choose. the plugs should be printed with 0 top and bottom layers for ventilation and a dense enough infill to prevent the Dessiccant from coming out.

When you bring the model into your slicer you will need to delete whichever 2 items you do not wish to print then slice and export the models you kept. You will then need to bring the model back in and keep

the inverse components slice and repeat. I did this to reduce the number of downloads required to print a full assembly. All required components are in either the .3mf or the .stl files.

The plugs are designed with .5mm clearance so if your printer prints accurately then glue will be needed to install them. However, if your printer is like mine, they will be a light press fit and can be tapped in with a dowel rod and hammer.

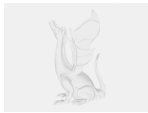
I used a .6mm nozzle for all 4 pieces with a .2mm layer height and 20% infill for the male and female halves and a 50% infill for the plugs.

I also included fusion 360 and inventor files for ease of modification if you wish to make any changes or remix.

## Model files



**dessicant-spool-holder.3mf**



**dessicant-spool-holder.step**



**dessicant-spool-holder.stl**



**dessicant-spool-holder.f3d**

## License ©

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



## Attribution-ShareAlike

---

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