



## Skadis filament spool holder with bearings



Sorin V

[VIEW IN BROWSER](#)

updated 21. 3. 2022 | published 21. 3. 2022

### Summary

A handy solution for storing your spools on the skadis board, with bearings to feed the filament easier to the printers

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

Tags: [filament](#) [spoolholder](#) [filamentholder](#)

After testing multiple filament holders for the Ikea Skadis board, I decided to create a new variation. This is a simple design that allows for compact storage and feeding the filament directly from the spool holder to your printer.

The filament spool can be stored directly on the rods, or on bearings. The bearings are the easy to find and cheap 608 variants. The feeding resistance is very small, the spool running very smoothly on the bearings. If you ever used the tush filament holder, you'll know how it works.

Print instructions:

- 4 walls
- 4 tops / bottoms
- 40% infill
- I printed in PET-G, other types of filament may also work

## Assembly:

- You'll need a length of M8 threaded rod (varies depending on how many spools you have) and M8 nuts
- For each mount: 2 nuts (I recommend using coupling nuts DIN 6334, regular nuts also work)
- For each bearing: 2 nuts (8 in total for one spool). I recommend using DIN 929 nuts, but normal ones work too.
- Bearings (optional): 4x 608 for each spool
- Fit one nut in each nut hole in each mount. The fit is tight (depending on your printer accuracy). To fit the nut, just use a screw with a washer on the opposite side and screw it until the nut goes into the hole.
- Use one mount every 2 to 3 spools. This way you can easily unscrew each segment, if you need to move it or add bearings
- The rings are press fit (tight) onto the bearings. Depending on your printer accuracy you may need to slightly scale them to fit. Test with one ring until you get the perfect fit and then print the others.

If you have any questions on how to assemble it, just ask in the comments.

## Model files

**holder.stl**



---

**ring.stl**



---

**filament-holder.f3d**



# 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