



## extrudr/colorFabb/ Filamentum Masterspool Adapter with integrated Silica Container

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### Summary

This is an extrudr/colorFabb/Filamentum/... to Masterspool adapter with an integrated silica container.

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This is an extrudr/colorFabb/Filamentum/... to Masterspool adapter with an integrated silica container (for about 35g).

I only had extrudr spools, but the one from colorFabb and Filamentum look the same to me on the pictures. Also extrudr seems to use two different designs for the flanges, so take a close look on your spool if you decide to give it a try.

## Design goals:

- Integrate a silica container
- Keep the sides flat
- No glue
- Tool-free filament change (initial assembly may require tools)
- Add slots to fix the start of the filament

## Assembly:

I'm not sure it is worth making a masterspool from this type of spools but I needed one. It requires a lot of sawing, cutting, drilling, sanding, screwing ... But in the end you have a masterspool with flanges from molded ABS.

I assume the assembly itself should be pretty self explanatory after looking at the pictures for a while. You need 10x 3x12 countersunk head screws to attach the flanges. Place the spacing washers between the printed part and the spool flanges.

A template for each side where to drill the holes and cut out the zip-tie slots are attached.

## Funnels:

I made a normal and an inverted funnel for spill-free filling and emptying of the the container. [Get them here.](#)

## Printing:

Use your slicer to split into individual parts. No supports needed. To get nice threads without overhang perimeters use 0.15mm layer height. Use variable layer height to reduce print time.

Please leave a comment or a photo if you print it!

## Model files

**extrudr-masterspool.stl**



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**extrudr-flange-slots-template.stl**



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