



Mini Filament Spool Swatches Box



Samael_

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updated 2. 11. 2023 | published 2. 11. 2023

Summary

Remix of multiple authors to create box of mini filament spool swatches

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Tags: [filament](#) [filamentspool](#) [filamentwatch](#)
[filamentwatchbox](#)

This is combination of multiple remixes to create filament spool swatches box that holds 27 spools.

Fun way to see what colors of filament you have in stock and sometimes the raw color is different from printed one. I added filament brand and name to side of spool.

Print settings

- 0.2mm layer hight
- Supports: Box.stl requires supports, other files doesn't
- Bottom fill pattern: Concentric on textured PEI buildplate
- Spool settings: 0.4mm nozzle or under. Enable detect thin walls or use arachne perimeter generator
 - I would also set extrusion width, external perimeters to automatic (0) (PrusaSlicer)

Filament color roll takes around ~15min to print.

Tip for PrusaSlicer users. Add filament roll model in shapes gallery, so that when printing something with new color its easy to throw in there.

What is modified from original authors

- Prusament Spool Token ([alex_3dprint](#)) - spool honeycomb removed as scaling it down makes it not printable
- Rugged Box ([Whity](#))- changed size to match filament insert
- Filament Spool Knob ([DaHaubi](#))- Filament roll modified and resized
- Small Spool swatches Box (KilianHerbst)- as is

Hardware

- 6x M3 30mm screws for hinge and latch

Edit 19.7.2023

- Added adjusted_box. Supports no longer required. Thanks for the fix @MakeAUsername_285162

Edit 9.4.2023

- Box.stl requires supports

Edit 16.2.2023

- Updated latch print orientation

Edit 11.3.2023

- Simplified filament spool knob mesh with v2
- Added two THICK versions of filament spool to make it easier to print, high and loose tolerance, 0.1mm and 0.22mm

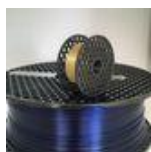


This remix is based on



Small Spool swatches Box

by KilianHerbst



Prusament Spool Token

by alex_3dprint



Rugged Box (Parametric)

by Whity



Filament Spool Knob

by DaHaubi



Small Spool swatches Box

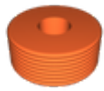
by KilianHerbst

Model files



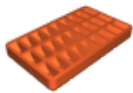
Main files + choose spool type

6 files

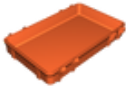


filament_roll.stl

☐ PrusaSlicer tip: save to gallery to quickly add roll when printing with different color

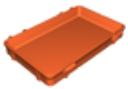


filament_insert.stl



adjusted_box.stl

☐ No supports needed, thanks @MakeAUsername_285162



box-_lid.stl



box-seal.stl



box_latch_x2.stl

☐ Print 2



Filament spool thin walls

2 files



spool_left_v2.stl

☐ 0.1mm tolerance



spool_right_v2.stl

☐ 0.1mm tolerance



Filament spool thick walls

2 files



spool_left_thick.stl

☐ 0.1mm tolerance



spool_right_thick.stl

☐ 0.1mm tolerance



Filament spool thick walls loose tolerance

2 files



spool_right_thick_loose.stl

☐ 0.22mm tolerance



spool_left_thick_loose.stl

☐ 0.22mm tolerance

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