



## Filament Swatches Storage Box



Whity

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### Summary

A rugged box style box to store filament swatches

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Tags: [box](#) [case](#) [filament](#) [test](#) [storage](#) [swatch](#)  
[testprint](#) [rugged](#) [swatches](#) [ruggedbox](#)

The box is based on my parametric “[Rugged Box](#)” and holds up to 120 of my filament swatches (but it's customizable in F360 to hold less, or even more, swatches).

The matching filament swatch can be found here:

<https://www.printables.com/model/607513-filament-swatch-01>

### Support my work

For non-Prusa parts and filaments, check out 3DJake ([International](#), [UK](#), [Germany](#), [France](#)).

I'll get a small cut of any order you fulfil using these links (at **no** additional cost for you 😊).

If you want to support my work directly, you can [buy me a coffee](#).

If you want to order a Prusa printer and earn some Prusameters (I will also get some), you can use my referral code "**@whity**" at checkout or click one of the following links

(the code only works for the first order of each printer model):

| [MK4](#) | [MK4 Kit](#) | [MINI+](#) | [MINI+ Kit](#) | [XL](#) | [SL1S](#) | [SL1S+CW1S](#) |

Also check out [my other models](#).

## Customization

The Fusion 360 file is also available in the downloads section in case you want change the number of rows & columns, or if you want to use it for completely different filament swatches.

The construction steps which create the nice inlay pattern you see in the pictures are hidden because it will not work anymore if the box is resized. You have to fix it manually if you want to have a matching inlay.

## Printing the lid with inlay (on a single filament printer)

The 3mf file contains two lids. One with and one without the pattern inlay. The one with the inlay has the lid and inlay aligned already.

Print the pattern first (one layer high), remove the skirt, change the filament and then print the lid.

In PrusaSlicer, after exporting/uploading the inlay, you have to enable the "Box", Change the "Lid" type to "Part" (right-click >> Change type) and the "Lid Inlay" type to "Modifier". Then export/upload the second print.

## Assembly

You will need six 30mm M3 screws to assemble it.

### Screws

I like these screws which have a nice round head:

[Allen hex socket button head screw](#)

Or, if you want no screw head at all, which I personally like even more:

[Hex socket set screws](#)

**Note:** I recommend the stainless steel ones. The blackened ones are oily and have to be cleaned.

## This remix is based on



### Rugged Box (Parametric)

by Whity



### Filament Swatch 01

by Whity

## Model files



### 3MF Files

1 file



### filament-swatches-rugged-box.3mf

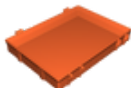


### STL Files

6 files



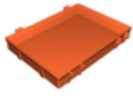
### filament-swatches-rugged-box-box.stl



### filament-swatches-rugged-box-lid-wo-inlay.stl



### filament-swatches-rugged-box-latch.stl



**filament-swatches-rugged-box-lid.stl**



**filament-swatches-rugged-box-inlay.stl**



**filament-swatches-rugged-box-seal.stl**

☐ OPTIONAL



**F360 Files**

1 file

**filament-swatches-storage-box-120pcs.f3d**

☐ Go to "MODIFY" => "Change Parameters" to customize it

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