



IKEA SAMLA Spool Holder



iComputerfreak

[VIEW IN BROWSER](#)

updated 16. 5. 2023 | published 16. 5. 2023

Summary

A spool holder that clears some room under the spools.

[Hobby & Makers](#) > [Organizers](#)

Tags: [ikea](#) [samla](#) [spool](#) [spoolholder](#)

I wanted a way to store my filament spools in an IKEA SAMLA 22l box with the ability to put a 500g Silica Gel packet under them.

This is probably not the easiest way to do this, but it works for me and fits the SAMLA boxes pretty good. The clearance under the spools is 50mm (spools to SAMLA floor, not taking into account the "ribs" sitting on the floor).

To fully assemble it, you need:

- **4** M3 Hexnuts
- **2** M3x8mm SHCS ("socket head cap screws")
- **2** M3x10mm SHCS
- **8-14** M3 Heat set inserts (5mm OD, 6mm high)
- **8-14** additional M3x10mm SHCS

The number of screws depends on whether you will want to fasten the upper part using all screws (14) or just 2 on each side (8).

The model is split into a top and bottom part to eliminate the need for support material and into a left and right part to be able to fit it onto the print bed.

The parts are joined by some puzzle type connectors and screws with nuts and heat set inserts.

The design is completely parametric and available on [OnShape](#).

Model files



samla-spacer-top-left.stl

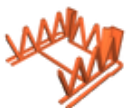
<https://cad.onshape.com/documents/da07ca75bae779fa8737bf7e/w/efcef05d793d3cd71a6cf259/e/a09cd0>



samla-spacer-top-right.stl



samla-spacer-bottom-left.stl



samla-spacer-bottom-right.stl

License

This work is licensed under a [Creative Commons \(4.0 International License\)](#)



Attribution-NonCommercial

- ✗ | Sharing without ATTRIBUTION
- ✓ | Remix Culture allowed

- ✖ | Commercial Use
- ✖ | Free Cultural Works
- ✖ | Meets Open Definition