



Adjustable Spool Holder for Silica Gel / Spool Weight



humebeam

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Summary

Adjustable Spool Holder for Silica Gel / Spool Weight

[3D Printers](#) > [Other Printer Parts & Upgrades](#)

Tags: [silica](#) [desiccant](#) [silicagel](#) [silicagelcontainer](#) [bambu](#)
[bambulabx1](#) [bambulab](#) [bambulabx1carbonams](#)
[bambulabx1carbon](#) [bambulabx1ams](#) [ams](#) [bambux1](#)
[bambulabs](#) [bambulabp1p](#) [bambup1p](#)

Update

A loading funnel is now available as well, [download it here!](#)



Support

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<https://www.paypal.me/humebeamengineering>

Buy Adjustable Spool Holder for Silica Gel

You can now buy the Adjustable Spool Holder for Silica Gel printed parts from MatterHackers at a very affordable price, free US shipping is included.

[Buy Adjustable Spool Holder for Silica Gel at MatterHackers](#)

BOM - Bill of materials

Silica gel beads. I recommend these that change colour from blue to pink so you know when to reactivate/dry them:

500 g Silica Gel Beads (Blue)

One 500 g container is enough for 12 spools.

Optional

I highly recommend these Nano Coated Helical Extruder Gears from FYSETC, I use them for all my Bambu printers, they're inexpensive and offer a number of improvements of the stock gears:

- [Extruder Gear for Bambu X1/P1P/P1S CNC Nano Coating](#)

About

This is an Adjustable Spool Holder for Silica Gel (Desiccant) / Spool Weight developed specifically for the [Hydra](#) and Bambu Lab AMS but it should be useful for regular dry boxes as well where the spool is on top of rollers / roller bearings.

The internal compartment can be filled with silica gel to keep the filament dry or you can fill it with something else to add some weight if you prefer.

It rooms around 40 g of silica gel. Make sure you fully pack it with silica gel beads. If it's not fully packed it can deform the beads when rotating. You could also use bags of silica.

It fits most spools with a width between 40 and 80 mm. Keep in mind, for the Bambu Lab AMS the max spool width is 68 mm and for Hydra AMS it is 75 mm.

It prints in three parts **completely without supports**.

I suggest you print a few and keep them installed in the spools you use the most so you don't have to move them around.

If you have / use hygrometers you can use this remixed version instead if you like:

- [Adjustable Spool Holder for Silica Gel / Spool Weight / With Hygrometer](#) - Compatible with both Hydra AMS and Bambu Lab AMS.

Print Settings

Print the three parts in the direction I have set them. Fill the container with silica gel (fully!) / whatever and close the lid. Then install it through your spool with the bottom part on one side and the top part on the other.



Model files



adjustable-spool-holder-for-silica-gel-bottom-10.3mf



adjustable-spool-holder-for-silica-gel-top-11.3mf



adjustable-spool-holder-for-silica-gel-lid-10.3mf

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