Printables by JOSEF PRUSA



Ender 3 V3 SE - Nozzle Box

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VIEW IN BROWSER

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Summary

Upgrade your printing game: optimal nozzle storage. Effortless printing, zero assembly needed! Print-in-Place

3D Printers > Creality Parts & Upgrades

Tags: box nozzle storage hinge printinplace storagebox nozzleholder ender3 pip nozzlestorage ender3v3se ender3v3 e3v3se e3v3

The Revision

- 1.00 - Original model. Release date: 16th march 2024.
- 1.10 - By request the thread holes have been made 0.1mm bigger, to a total of 6.4 mm. Filet has been added to the top, to increase strength. A shorter version was added that holdes 10 nozzles, instead of the 18 in the original. Release date: 24th march 2024. (Due to an error on this model, the files has been removed for this version, please use version 1.11)
- 1.11 - The bottom part was for some reason 1.2 mm offset from the top. Thanks to **@RobertZ_1565003** for letting me know. Release date: 2nd april 2024
- 1.20 - **@BdX_2051055** suggested added a “handle” to open the box more easily, so that change was added. Release date: 23th may 2024

- 1.21 - I wasnt entirely happy with the way the previous versions felt when closing the lid. I made a minor tweak to the bottom part, that allow the lid to close much smooter. Along with the notch added in 1.20, this was the version that made me trash my 1.00 model, that i was perfectly happy with. Release date: 23th may 2024

The backstory

Behold, a refined rendition of Daniel190's original model, tailored specifically for 3D print enthusiasts like you. While I admired the initial design, I couldn't help but notice its limited space for nozzles. Determined to enhance functionality, I embarked on a journey to craft a solution.

The product

What emerged is a masterpiece of innovation (Almost). With beautiful rotating hinges and a cleverly integrated notch to secure the lid, this design is not only practical but also a delight to print. And the best part? It's entirely print-in-place, eliminating the hassle of assembly.

Fair warning

When printing this model, please allow the printed piece to cool down before trying to close it, I have had a few people fusing the lid to the bottom, because the piece was still a bit too hot when they eagerly tried closing it, only to not being able to open it again without force.

Whats in it for you

Whether you're a seasoned maker or just diving into the world of 3D printing, this model promises an exhilarating printing experience and a final product that exceeds expectations. Embrace the future of printing with this captivating creation.

Who is it for

I was just told on a Facebook post that this holder should be fit for owners of the following machines:

- Ender 3 V3 SE
- Ender 5 S1
- Ender 7

My print settings

For this model I used PLA

Infill set at 10%, gyriod.
2 walls.
3 bottom/top layers

But I would think that most normal settings would work with this model.

Feedback is appreciated

If you print this, please post a make, I would love to see how they come out on your printer.

Feel like supporting

If you ever feel like fueling my caffeine addiction and supporting my creative escapades, consider donating a 'virtual coffee' on BuyMeACoffee – because let's face it, even makers run on a good brew!



This remix is based on



Print in Place Ender 3 V3 SE Nozzle box
by daniels190

Model files

V 1.21 2 files



ender-3-v3-se-10-x-nozzles-v-121.stl

Lowered the rim on the bottom, that made a huge difference in how smoothly it closes.



ender-3-v3-se-18-x-nozzles-v-121.stl

Lowered the rim on the bottom, that made a huge difference in how smoothly it closes.

V 1.20

2 files



ender-3-v3-se-18-x-nozzle-box-v-120.stl

Added a small notch to more opening the box easier.



ender-3-v3-se-10-x-nozzles-v-120.stl

Added a small notch to more opening the box easier.

V. 1.11

2 files



ender-3-v3-se-18-x-nozzle-box-v111.stl

V 1.11 - Fixed error on the bottom part of the box.

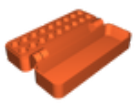


ender-3-v3-se-10-x-nozzle-box-v111.stl

V 1.11 - Fixed error on the bottom part of the box.

V. 1.00

1 file



ender-3-v3-se-18-nozzle-box-v-100.stl

Original version. Thread holes are 6.30 mm in diameter.

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