

Snap fit Revo nozzle holder for Prusa Mini



WereCatf

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Summary

A quick and simple nozzle holder for the E3D Revo nozzles, mountable to the aluminum extrusion simply by pushing it in.



1.83 hrs



1 pcs



0.20 mm



0.40 mm



PET



19 g



Prusa MINI /
MINI+

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The idea:

There are a lot of nice holders that mount in one way or another onto a Prusa Mini/Mini+, but many of them require screws and T-nuts or are rather awkward in some other way. I, on the other hand, like snap fit designs that don't require anything other than the printed, plastic parts themselves and maybe a bit of elbow grease to snap them all together. This design accomplishes that goal. This design is also flush with the top of the Z-axis, which looks rather pleasing to my eye.

How to:

Print in the orientation the model in the .3mf file is in and use supports for the one corner. The model doesn't specifically need supports elsewhere, though Prusaslicer may attempt to add supports inside the round holes as well, if you use automatic supports, so it's easier to just use the paint-on supports for that one corner. Or use the pre-sliced .bgcode file.

Use PETG, so the snap fit mechanism works right and doesn't break off. PLA is a bit too stiff.

Model files









nozzle_holder.3mf

Print files



nozzle_holder_04n_02mm_petg_miniis_1h50m.bgcode

 PET  0.40 mm  0.20 mm  1.83 hrs  19 g  Prusa MINI / MINI+

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