

## V-Slot Cover



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### Summary

Parametric Cover for 2020 (and similar) V-Slot Profiles



0.18 hrs



1 pcs



0.20 mm



0.40 mm



PET



1 g



Other

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This is a snap-in-place cover for V-Slot profiles.

It is optimized to print in vase-mode with a 0.4mm Nozzle.

It will be strong and flexible enough if you use PETG.

Use a brim for good bed adhesion and if cooling is adequate it should print fine without a minimum layer time.

For different nozzle diameters and other customizations you can edit the .FCstd file with FreeCAD (there's a sheet called "Dimensions" and the Model will auto update if you modify one).

I found that the maximum height that will work with the SUNLU PETG I used is around 80mm, so the model files have this height. Any higher and

the part will bend too much during printing, so detail is lost, which in turn results in an imperfect fit to the profile.

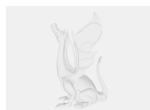
Lastly the pre-sliced file is for a Revo Hemera with a 0.4mm nozzle on an Ender 3.

Edit: Looks like [@Tascanis\\_1277847](#) managed to get good results printing with the front side on the bed, too. I didn't try printing in that orientation, but you may give it a shot.

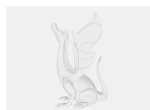
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The V-Slot profile in the .FCstd file, that was used to derive dimensions, was taken from [Creality3DPrinting's GitHub](#) and is licensed under [GNU General Public License v3.0](#).

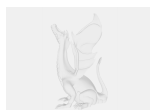
## Model files



**v-slot.fcstd**



**v-slot-cover.amf**



**v-slot-cover.step**



**v-slot-cover.obj**

## Print files



**cover.gcode**

⚙ PET ⚙ 0.40 mm ⚙ 0.20 mm ⌚ 0.18 hrs ⚖ 1 g

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