



## Snap-on Filament Filter/Oiler



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### Summary

Dog hair, dust, and other small bits might get pushed through your extruder compromising, or completely wrecking a...

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Dog hair, dust, and other small bits might get pushed through your extruder compromising, or completely wrecking a print. After designing a couple filters that were simple slotted cups, I wanted something a bit more refined and lightweight. So I modeled this. Has holes to drop in a bit of oil if need be.

Printed as one piece. Should hinge should be loose or break free with minimal force.

Timelapse: <https://youtu.be/IVMvGldjXS0>

If you this helps and want to encourage my insanity, buy a [cup of coffee](#) for me, a [bag of coffee](#), or you [pick the value](#). Thanks!

## Print Settings

### Printer:

i300 Pro

### Rafts:

No

### Supports:

No

### Resolution:

0.16mm

### Infill:

10%

### Notes:

3 shells. I printed it in 3DXTech's Red ASA. Print two or more at a time to give the tab a bit more time to cool.

Post-Printing =====

I cut two pieces from a kitchen sponge (NOT the cellulose kind) to fit the case. Add a drop or two of oil to help PLA. Not certain if it helps other types.

Timelapse of three at different layer heights.

How I Designed This =====

I used Onshape to model it, and then about five prints to get it dialed in.

Category: 3D Printing

## Model files



filament\_filter\_idig3d.stl

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