



Upgrades for Filament Dry Box



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Summary

Some upgrades to parts of @werner_rh 's "Filament Dry box cheap and simple".

[3D Printers](#) > [Accessories](#)

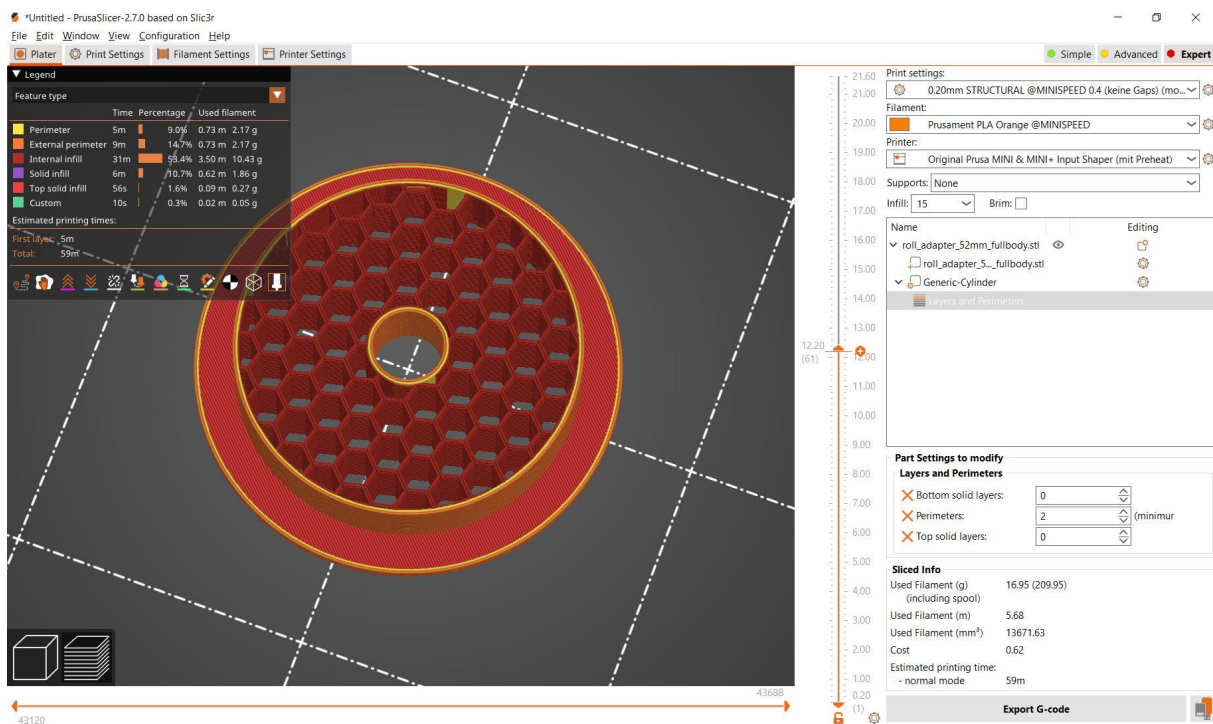
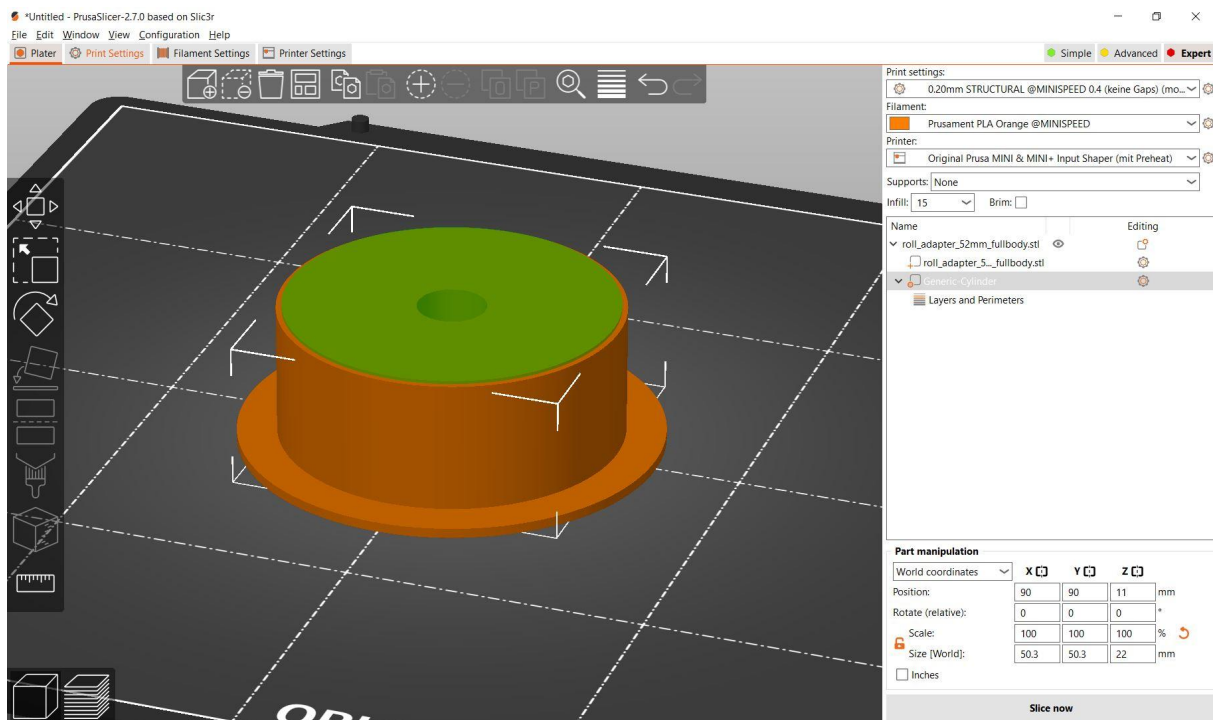
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[dry](#) [desiccant](#) [silicagel](#) [addon](#)

Print instructions for "fullbody" roll adapters with open faces

So you want to print the proposed open-faced roll adapters? Here is how:

1. Rightclick on your part and add a cylinder modifier. Change its X and Y size to the diameter of the the roll adapter you want to print **minus** 2x your perimeter thickness. You can find that value in "Print settings/ Layers and Perimeters" in the lower part of the "Vertical shells" dialog (it says recommended thin wall thickness).
In my case I want to print a 54 mm roll adapter with 2 perimeters. The recommended thin wall thickness for 2 perimeters is given as 0.86 mm so I subtract:
 $54 \text{ mm} - 2 \times 0.86 \text{ mm} = 50.28 \text{ mm}$
This means my modifier has to be 50.28 mm wide and deep.

2. As your Z size put value bigger than 21.5 mm (that's the total height of the roll adapter) and then center your modifier, in my case that would be 90/90/11 in the "Position" dialog.
3. Then rightclick on your modifier and choose the option "Layers and Perimeters". There, set your bottom and top solid layers to 0.
4. Slice your part and have a look at what it will look like. Maybe play around with the infill pattern and density. In my case I went with the honeycomb pattern at 15% infill



This remix is based on



Filament Dry box cheap and simple

by werner_rh

Model files



roll holder and spacer clip

3 files



roll_holder_10mm_sunk_nuts.stl



roll_washer_sunk_screws.stl



spacer_clip-on.stl



roll adapters (fullbody)

4 files



roll_adapter_50mm_fullbody.stl



roll_adapter_52mm_fullbody.stl



roll_adapter_54mm_fullbody.stl



roll_adapter_70mm_fullbody.stl



roll adapters

4 files



roll_adapter_50mm.stl



roll_adapter_52mm.stl



roll_adapter_54mm.stl



roll_adapter_70mm.stl

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