



Strainer basket



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Summary

A simple strainer basket with an assortment of of hole sizes.

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I needed a strainer that I could sort different size items just by replacing the straining grid at the bottom of the strainer holder. I therefore came up with this design. The three supplied discs have hole sizes of 2.9mm, 7.8mm, and 12mm. I've also included a pan to catch the sorted items, and a lid that can be used to cover either the pan, or strainer when not in use.

The strainer discs are 134.4mm wide and 2mm tall.

The strainer could probably be scaled up or down in the x & y direction, but I have not tried it. I don't think the disc could be scaled, but it may be possible. The spacing between holes are 1.60mm. This allows for each hole to have a parameter of 2, if using a 0.4mm nozzle. Scaling might cause problems with the holes when printing a disc at less than 100% scale. The alternative would be to make your own disc of the appropriate size to fit the re-scaled strainer.

The white filament I used was PLA, and the red filament was PETG.

I printed on a Prusa MK3.9 using PrusaSlicer, 0.4mm nozzle, 0.2mm height, 2 parameters, 10% infill. I found a "brim" not necessary in my case.

If using to strain food, it may be a good idea to use food safe filament when printing these items.

Model files



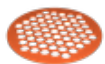
main_body.stl

☐ Strainer tray



disc_7_8.stl

☐ 7.8 mm strainer filter



disc_12.stl

☐ 12 mm strainer filter



disc_2_9.stl

☐ 2.9 mm strainer filter



pan.stl

☐ Pan for holding strained material



lid.stl

☐ Lid for either strainer or strainer tray

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