



mini circular stackable small parts tray (vase mode)



Catdad Workshop

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Summary

Could this tray be any more adorable



0.48 hrs



1 pcs



0.30 mm



0.40 mm



PLA



11 g



Prusa
MK3/S/S+

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I went on a kick designing small parts trays a while back. This one is the smallest and cutest of the bunch. I use these mainly to prepare small rivets, buttons, etc. when working on a leather project, so I can keep the random boxes on my workbench to a minimum.

Print settings

This model prints in vase mode. That's really the only requirement, but here's what I recommend:

- Spiral vase mode / Spiralize outer contour: turn this on, this is how the whole magic works
- Line Width: 0.6mm (this should be a god mix of sturdy and economical)
- Layer Height: 0.3mm (not necessarily required, but I like to keep things fast)
- Bottom Thickness / Bottom Layers: 1.2mm (e.g. 4 layers at 0.3mm layer height)
- Wall speed: 30mm/s (you are pushing a lot of plastic, so a slower speed is best, though if you are confident in your hot end you can go faster)
- Printing Temperature: +5 degrees hotter than your usual temperature
- Flow: 110% (because why not)

Notes

The blue one in the photos is an earlier design which did not allow stacking... but why throw away an already printed one? The white one (which is the uploaded model) shows the divider lines not reaching all the way to the top, allowing you to stack these trays on top of one another.

Model files



circular-small-parts-tray-catdad-workshop.stl

Print files



circular_small_parts_tray_catdad_workshop_03mm_pla_... .gcode

PLA 0.40 mm 0.30 mm 0.48 hrs 11 g Prusa MK3/S/S+

uses 3.77 meters of filament

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