

3D MODEL ONLY

Icosagon Semi See-through Vase/ Container

 **CohereTools**[VIEW IN BROWSER](#)

updated 6. 2. 2023 | published 6. 2. 2023

Summary

A Vase mode container using bridging and spacing between layers to make a see-through vase

[Hobby & Makers](#) > [Organizers](#)

Tags: [organizer](#) [container](#) [vasemode](#) [penholder](#)

Printed using a 0.4mm nozzle at a 0.2mm layer height with Prusament PLA. Basically the Prusa Mini 0.2mm Quality settings with Vase mode turned on.

So I wanted to make a simple container for my pens, but using a single wall Vase mode would make it too flimsy for my needs. Came up with this design by combining corrugation with bridging.

For anyone wanting to replicate the basic premise of this design, here are some points I noted while designing the container

- The model is essentially stacked “gears” that is rotated for the next stack. However, I strongly discourage rotating every layer (in this case 0.2mm), as a single strand for the bridge is quite flimsy
- At the same time, keep in mind that as you increase the height of the “gear”, the texture of the vase changes and opacity is affected. For

my model I used 0.6mm(3 layers) per stack, but thats jut my preference

- If you are concerned about the top, I did include a version where the top is sealed but it won't work with just vase mode. It was sectioned off using a bounding box.
- I did try to change the overall shape (e.g hourglass shape), but couldn't manage to get it to work in Vase mode. Works in regular settings though. If anyone has any idea why it doesn't work in Vase mode, feel free to leave a comment. (Edit: Made it work in my other models)

Update: If you are looking for a parametric version, take a look at my Christmas tree containers. Though the pictures show them shaped as decorations, they are still fundamentally containers as long as you tweak the parameters.

Model files



icosagon-vase.3mf



icosagon-vase-with-lid.3mf



rustic-vase-test.3mf

License ©

This work is licensed under a
GNU

General Public License v2.0



- ✗ | Sharing without ATTRIBUTION
- ✓ | Remix Culture allowed
- ✓ | Commercial Use
- ✓ | Meets Open Definition
- i | Share under the same license