STEPPIA Trays – Catch-All Trays – Key & Everyday Trays

STEPPIA trays are minimalist storage trays designed to bring structure and calm to everyday spaces. Their soft stepped profile and exposed infill base turn a technical printing element into a visual feature.

Each tray consists of a solid outer shell and a separate grid-style infill mat that clicks neatly into place. Once pressed in, the mat sits flush and secure, creating a lightweight yet sturdy base with a subtle texture.

Ideal for jewelry, keys, desk tools, studio supplies, or bedside essentials.

Sizes

All trays are **30 mm tall** and use the same infill mat system.

- **Large:** 220 × 220 mm
- **Medium:** 220 × 110 mm
- **Small:** 110 mm diameter

Design Features

- Two-part design: tray + press-fit infill mat
- Exposed infill as a visible design element
- Lightweight but rigid structure
- Soft, stepped outer geometry

Printing Instructions

⚠️ **Important:** The visible infill effect depends on specific slicer settings. **Follow the README carefully.**

Tray Body (Shell)

- **Layer height:** 0.24 mm
- **Infill:** Gyroid, 10–15%
- **Top layers:** Standard
- **Bottom layers:** Standard
- **Supports:** Not required

Infill Mat (Bottom Insert)

To achieve the visible infill effect, **zero top and bottom layers must be used.**

- **Top shell layers:** 0
- **Bottom shell layers:** 0
- **Wall lines: 8**

- **Infill:** 25%
- **Infill pattern:** Cross hatch
  - *(Feel free to experiment — gyroid also looks great)*
- **Only one wall on top surfaces:** Not applied

After printing, **press the mat into the tray from the top** until it clicks into place. No glue required.

Material I used

- Bambulab Marble PLA
- Bambulab Matte PLA Latte Brown

💬 Questions or Feedback?

✉️ **simonauhrova3d@gmail.com**

🧠 Join the Community:

https://discord.gg/SagnAaCgHF