JEWTRA – Valentine’s Edition

3D Printable Travel Jewelry Case

JEWTRA – Valentine’s Edition is a compact, heart-shaped travel jewelry case designed for everyday use at home or while traveling. It’s a practical Valentine’s gift that doesn’t end with the occasion and can be used long after.

The design builds on the original JEWTRA layout and uses a magnetic closure with printed-in magnet holes. To install the magnets correctly, **a pause in the print is required**.

The model includes **two types of inserts**. One of them (the ring and earring insert) relies on **visible infill lines as part of the design**, which means **advanced slicer settings are required**. These settings are explained **in detail below**.

Dimensions

- **Overall size:** 74 × 77 × 30 mm (**TALL version for larger rings available**, height 40 mm)
- **Required print area (box parts):** 74 × 154 mm
- **Magnets:** 4× magnets, **5 × 3 mm**

Amazon DE: https://amzn.to/4rcjzW1

Amazon US: https://amzn.to/4r4vrZV

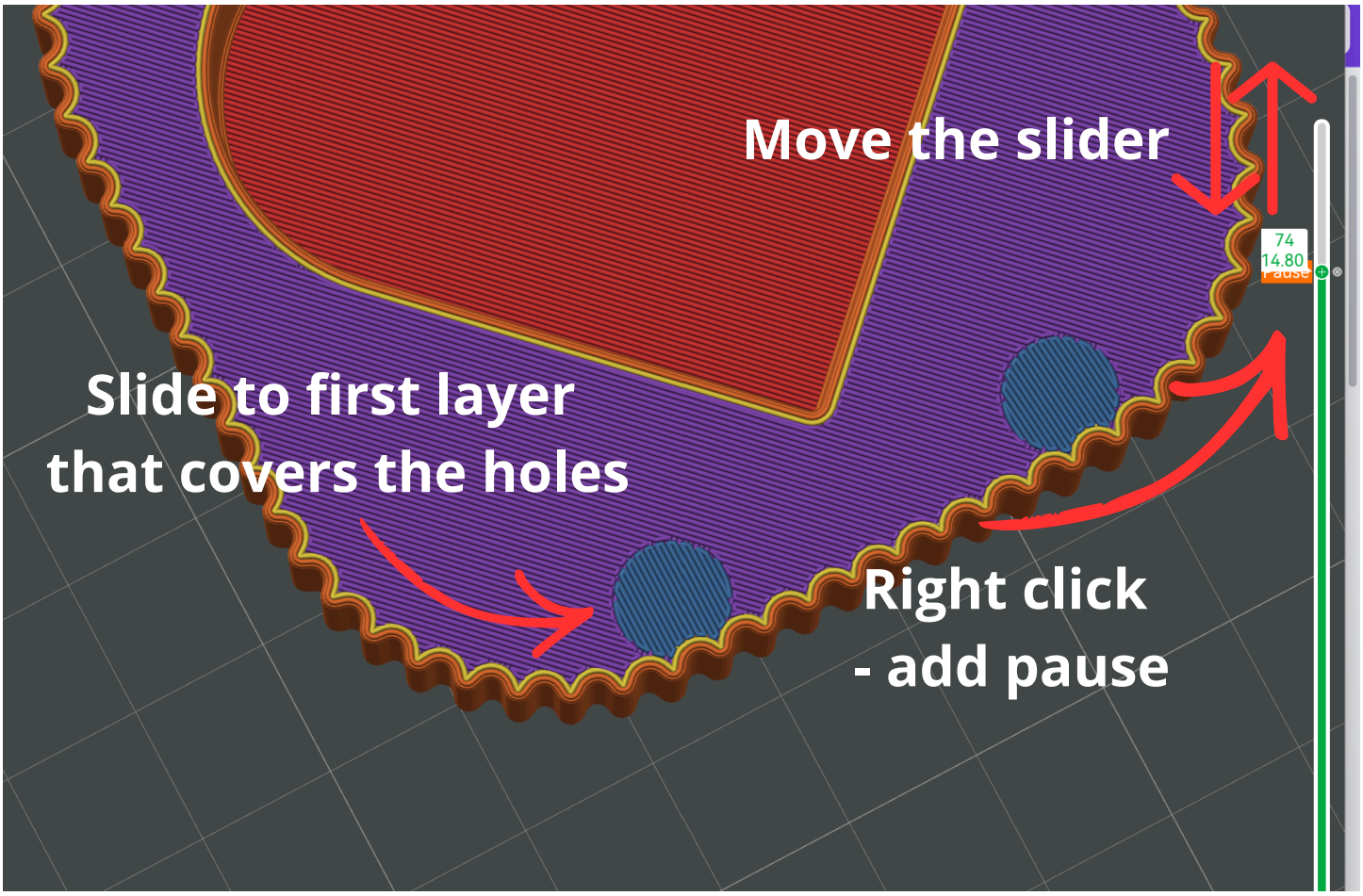
How to Add a Pause for Magnet Placement

A pause is needed so the magnets can be inserted while printing.

How to add the pause in your slicer:

1. Slice the model as usual.
2. Switch to the **layer preview / sliced file view**.
3. Use the **layer slider on the right side** to find the **first layer that closes over the magnet holes**.
4. **Right-click on that layer**.
5. Select **“Add Pause”** (or similar, depending on your slicer).
6. Slice the file again and save it.

This is how the layer where you want to add a pause looks like:



When printing, the printer will stop at that layer, allowing you to place the magnets before continuing.

Magnet Installation (Very Important)

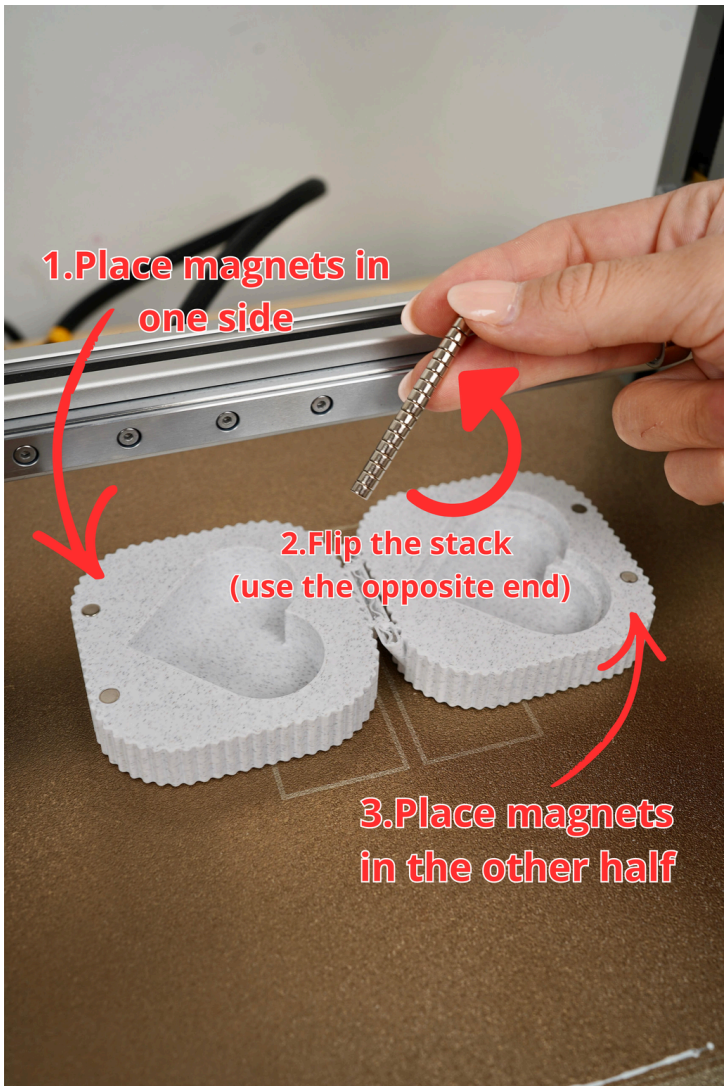
The model includes printed-in magnet slots. Correct polarity is essential for proper closure.

Recommended method:

1. When the print pauses, add a **small amount of glue** into each magnet hole to secure the magnets and prevent any movement in the finished print.
2. Insert all 4 magnets into **one half of the box**.
3. Before placing magnets into the second half, **flip the entire magnet stack** and use the opposite end.
4. Insert magnets into the **other half** and resume printing.

This ensures the magnets attract correctly once the box is closed.

👉 Tip: Always test magnet orientation outside the print before placing them into the holes.



Box Print Settings

- **Layer height:** 0.2 mm
- **Infill:** 10–15%
- **Infill type:** Gyroid
- **Supports:** Not required
- **Pause at height:** Required for magnets

Inserts Included

Plain Tray Inserts

Simple inserts suitable for bracelets, chains, and loose jewelry.
Print with standard settings.

Infill Inserts (Rings & Earrings)

These inserts use visible infill to create flexible lines that hold rings and earrings in place.

Required slicer settings (Advanced ON):

- **Layer height:** 0.2 mm
- **Wall lines:** 6
- **Top shell layers:** 0
- **Sparse infill line width:** 0.65 mm
- **Infill:** 25–35% (35% used in examples)
- **Infill type:** Aligned Rectilinear
- **Only one wall on top surfaces:** Disabled

The inserts are oriented so the infill runs in the correct direction. If your slicer shows a different orientation, adjust the infill direction manually.

💬 Questions or Feedback?

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🧠 Join the Community:

https://discord.gg/SagnAaCgHF