



## Patio Railing Floating Plant Pot



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updated 21. 6. 2024 | published 21. 6. 2024

### Summary

This pot will suspend itself between the rails of a standard apartment patio railing using friction to hold it in place.

[Household](#) > [Outdoor & Garden](#)

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This pot will fit between the rails on a fairly standard apartment patio railing. The vertical rails need to be ~87.5mm apart with a depth and width of ~13.5mm. You can easily slide the mounting part of the pot between two rails while it is at a slight angle, then level out the pot sliding the mounting mechanism into place. For better friction to hold the pot in place, I used double sided mounting tape on the back of the pot where it contacts the rails. The tape does not hold the weight of the pot, but merely helps add friction so the pot levers itself onto the rails.

I printed in PLA with 2 walls and 15% cubic infill. I think any settings will really be fine since the part isn't loaded with much weight.

The pot is on the larger side, with the settings above, it will consume around 375g of filament. I printed my pots using my Bambu X1C, I am not sure if it will fit in a Prusa Mk3/4 or other smaller printers

For better resistance to sun exposure I might recommend using ASA.

# Model files

patio-railing-floating-pot.step

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