



clothespin for railings (adjustable)



LinuxlasGNUleaf

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Summary

A clip designed to pin clothes to a bar or balcony railing on windy days.

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Tags: [clothes](#) [clothespin](#)

General

This clip was designed to pin clothes to a bar, such as a balcony railing. It is supposed to keep the clothes from being blown off on a windy day. **The included .3mf file was designed for a tight fit of a 100mm railing, but you will want to modify it to fit your needs.**

Slicing

After you have determined the **diameter** of the railing you want to fit the clip too, import the 100m clip into your preferred slicer. Now you have to scale it according to the diameter you want: If your railing has a diameter of 42mm, scale the model **IN X AND Y** to 42% of the original size. You should be able to extrapolate this to your needs. The provided clip has a height of 5mm, you can scale that as well to achieve greater clamping strength.

Alternatively, you can use the provided .STEP or .f3d to modify the clip to your needs specifically.

Slicer Settings:

Infill: 100%

Layer Height: 0.3mm

Perimeters: 3

Supports & Brim: No

Notes: The DRAFT (0.3mm) preset in PrusaSlicer with 100% Infill and 3 perimeters is pretty much what you want. Using the Arachne engine led to minor underextrusion for me, so you might want to use the classic engine instead.

Printing Recommendations:

IMPORTANT: DON'T USE PLA OR ABS FOR PRINTING, AS IT WILL BECOME BRITTLE AND WARP IN DIRECT SUNLIGHT.

RECOMMENDED MATERIAL: PETG

Happy printing! :)

Model files



clip_100mm.stl

☐ adjust x and y scale from 100% (= 100 mm diameter) to XX% (= XX mm diameter).



clothespin.f3d



clothespin.step

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