

Mini C-Clamp - 3 sizes

VC Design

VIEW IN BROWSER

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Summary

Compact Mini C-Clamp in 3 sizes. Ideal for small assembly, gluing and workshop tasks :)

Hobby & Makers > Tools

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The Mini C-Clamp is a compact, 3D-printable clamping solution designed for light workshop, hobby, and bench tasks. Its small size makes it perfect for tight spaces where standard clamps are too bulky, while still providing reliable clamping force.

This design is available in **three sizes**, offering different jaw openings to suit a variety of applications:

- **45 mm opening**
- **37 mm opening**
- **30 mm opening**

Design & Components

Each clamp consists of **three separate parts**:

- **Clamp Body** – the rigid C-shaped frame
- **Clamp Screw** – provides adjustable clamping force
- **Pressure Tip** – distributes force evenly between the screw and the workpiece

The pressure tip helps protect surfaces and ensures smooth, controlled clamping.

Printing & Assembly Notes

- Print the parts in a strong material for the best durability
- PLA works for light-duty use
- No supports required
- Assemble by inserting the screw through the body and screwing the tip onto the screw end

Perfect for makers who need a small, practical clamp that’s always within reach.

Model files

45mm C-Clamp 3 files



base_45mm.stl



screw_45mm.stl



tip_45mm.stl

37mm C-Clamp 3 files



base_37mm.stl



screw_37mm.stl



tip_37mm.stl

30mm C-lamp 3 files



base_30mm.stl



screw_30mm.stl



tip_30mm.stl

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