



C-Clamp Set - Multiple Sizes for Workshop and Play



jbfish

[VIEW IN BROWSER](#)

updated 15. 5. 2026 | published 15. 5. 2026

Summary

C-clamps in multiple sizes with interchangeable screw lengths. Great for workshop use and kids' projects.

[Hobby & Makers](#) > [Tools](#)

Tags: [tool](#) [workshop](#) [woodworking](#) [clamp](#) [werkzeug](#)
[schraubzwinge](#) [cclamp](#) [playhouse](#) [werkstatt](#) [klemme](#)
[werkstatthelfer](#) [basteln](#) [zwinge](#)

Originally I designed these C-clamps because my daughter kept “borrowing” my workshop clamps to build blanket forts and attach blankets to furniture.

So I decided to make a few printable versions specifically for that purpose — and they turned out surprisingly useful in the workshop as well.

The clamps are available in three different sizes, and each size can be combined with different screw lengths depending on your needs.

Personally, I tend to use the shorter screws most of the time, since there is usually a tabletop, board, or similar object between the clamp jaws, meaning the clamp rarely needs to close completely.

The models are named so that the matching screw length is easy to identify.

Please refer to the table for detailed dimensions and compatibility.

Clamp Model	Jaw Width	Jaw Height
S	40 mm	42 mm
M	50 mm	57 mm
L	55	67 mm
Screw Model	Effective Length	
XXS	20 mm	
XS	35 mm	
S	43 mm	
M	68 mm	
L	78 mm	

There is also two different end pices you can chose from: 25 and 30 mm in diameter respectively.

Even though they are very useful, I would still not use them to clamp safety-critical items. In the end, they are 3D-printed parts and their strength is nowhere near that of metal clamps.

Printing recommendation

- PLA or PETG (Sunlu PLA 2.0+ versions turned out quite strong)
- 4 perimeters (this gives a strong clamp)
- 15% infill (if you want more strength, increasing perimeters is more effective than increasing infill)
- 0.2 mm layer height
- 7 top & bottom layers (this gives a strong clamp)

- No supports required

Model files

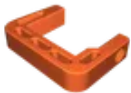


Clamps

3 files



clamp_l.stl



clamp_m.stl



clamp_s.stl



End_Pieces

2 files



endpiece_30mm.stl








endpiece_25mm.stl



Screws

5 files

	screw_l.stl
	screw_m.stl
	screw_s.stl
	screw_xs.stl
	screw_xxs.stl

License

This work is licensed under a
[Creative Commons \(4.0 International License\)](https://creativecommons.org/licenses/by/4.0/)



Attribution

- ✗ | Sharing without ATTRIBUTION
- ✓ | Remix Culture allowed
- ✓ | Commercial Use
- ✓ | Free Cultural Works
- ✓ | Meets Open Definition