



SNAPTOR | The clamp that keeps biting



Svengineer

[VIEW IN BROWSER](#)

updated 28. 1. 2026 | published 28. 1. 2026

Summary

A single part 'print-and-activate' clamp with clever pre-tensioned spring mechanism.

[Gadgets](#) > [Other Gadgets](#)

Tags: [kitchen](#) [functional](#) [organiser](#) [bag](#) [clip](#) [fast](#) [dinosaur](#) [dino](#) [mechanism](#) [printinplace](#) [gadget](#) [easy](#) [peg](#) [snapfit](#) [clamp](#) [3dprinter](#) [quick](#) [printable](#) [bagclip](#) [utility](#) [fastprint](#) [3dprint](#) [nosupport](#) [dualcolor](#) [laundry](#) [locking](#) [foodstorage](#) [bambulab](#)

SNAPTOR, durable strength!

Printed in one piece and activated with a single snap, the SNAPTOR is a compact clamp that's always ready to bite. Its integrated preloaded spring mechanism is activated after printing. No screws, no assembly, no hassle.

Designed to maintain its clamping force without spring creep/deformation. The SNAPTOR offers a strong, reliable grip in a lightweight and portable form. From cables and fabrics to gear and everyday fixes, this little clamp punches well above its weight!

Print. Snap. Use.

Quick Start

- **Print**

Use the provided 3mf project file or import the STL directly into your slicer. Orientation is optimized for strength and smooth movement.

Print this model in **PLA**, **PETG** or **ABS** for best results.

Recommended settings:

- 0.16 mm layer height
- 3 Walls
- 20% Grid or Honeycomb infill
- NO supports/brim/raft
- **Snap** Once printed, guide the two sides of the hinge mechanism towards each other. Push the cylinder shaped inner hinge into the outer hinge until it snaps into place.
- **Use** Now you can use the SNAPTOR for whatever you like to SNAP!

Unique Features

Pre-tensioned spring

SNAPTOR's unique design requires snapping both halves together after printing, to pre-tension the spring mechanism. This increases its clamping strength, but also makes sure it maintains its strength in neutral/closed position.

Scalable geometry

Precision-modeled with tight clearances to create smooth motion. Try scaling it up to 1.5x (or even bigger) to get a very strong clamp. Don't scale it up to big, or you might end up as a snack!

Versatile Use Cases

Can be used to hold cables, notes, bags, or even laundry. Larger sizes can even be used as grip strength trainer.

Optimized for 3D Printing

Requires no supports, no cleanup, and works great on a wide range of FDM printers.

Changelog

26-01-26

- This is the initial release of the SNAPTOR 3D model.
- Design optimized for FDM printing, without the need for support.
- Tested on Prusa XL and MK3 with PLA and PETG.
- Tested on X1C with PLA, PETG and ABS.
- Tested on H2D with PLA, PETG, ABS and ASA.
- Tested on A1 mini with PLA and PETG

28-01-26

- Added an stl with 0.05mm hinge clearance (base model)
- Added an stl with 0.1mm hinge clearance
- Added an stl with 0.15mm hinge clearance

Model files



snaptor.3mf



snaptor_005.stl

☐ 0.05mm hinge clearance (base model)



snaptor_01.stl

☐ 0.1mm hinge clearance



snaptor_015.stl

☐ 0.15mm hinge clearance

License ©

This work is licensed under a **Standard Digital File License**.

Digital files have a strict non-commercial, personal use only license.

You shall not share, sub-license, sell, rent, host, transfer, or distribute in any way the digital file or 3D printed versions of this object, nor any other derivative work of this object in its digital or physical format (including remixes of this object).

You can not host these files on other digital platforms, web stores or cloud repositories.

The objects may not be used in any way whatsoever in which you charge money, collect fees.

-
- ✖ | No sharing or redistributing in any way of the 3D files or derivatives
 - ✖ | No remixing
 - ✖ | Non-commercial Use (only for personal use)