Printables by JOSEF PRUSA

Curvy Cam Lock Bag Clip

squinn

VIEW IN BROWSER

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Summary

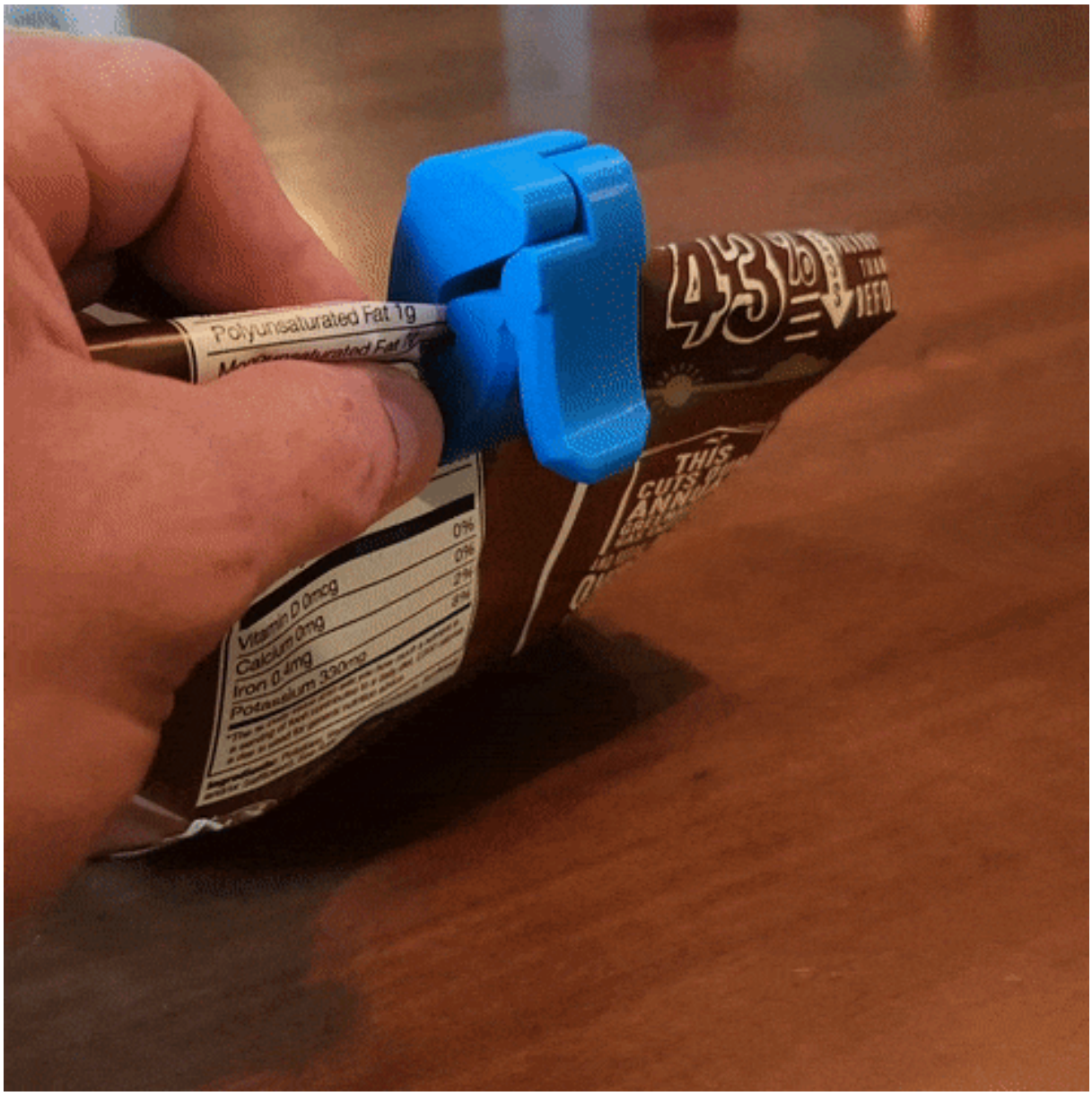
A nice little cam locking clip for bags of chips and other items that you'd like to keep around just a bit longer.

2.00 hrs	1 pcs	0.20 mm	0.40 mm	PLA	23 g	Prusa MINI / MINI+

Household > Kitchen

Tags: cam locking lockingclip chipclip chipbagclip lock lockingmechanism bagclamp bagclip bagclips bagholder bag nosupport nosupportneeded printinplace nosupportsneeded nosupports

This print-in-place locking bag clip has been designed so that it can be **printed without supports**, has a **fun curvy shape**, uses an outward angled handle for easier **one-handed use**, and is a nice size at just **under 6 cm** when closed.



I'd recommend you **set the “Vertical Shells → Perimeters” option to at least 5 for increased strength**. In addition to the STL, I'm also attaching the gcode and 3MF file I used to print the ones shown in the pictures, as well as the Fusion360 file if you'd like to make adjustments.

Update (2023-07-03): The original “Cam Lock Bag Clip.stl” (which I'd still recommend you start with if you're printing in PLA) is designed with a .2 mm tolerance around the pivot joints. If you have trouble with the plastic fusing in your print conditions though or are **printing in other materials - such as PETG**, I've now also attached two versions that increase the spacing tolerance slightly (.3 mm and .4 mm) which you could use as an alternative.

This is a complete from-scratch design, but there are many great cam locking clips here on printables. Although notably different, I've marked this model as a remix of the very cool model that ‘jfedor’ did which used a

similar approach for making a clip printable without requiring supports (which itself was a remix of Andrei's popular version that does require supports).

This remix is based on

Bag Clip (PRINT IN PLACE CAM)
by Andrei

Cam bag clip (no supports)
by jfedor

Model files

cam-lock-bag-clip.stl

cam-lock-bag-clip.3mf

cam-lock-bag-clip-3-mm-tolerance.stl

cam-lock-bag-clip-4-mm-tolerance.stl

cam-lock-bag-clip-v33.f3d

Print files

cam-lock-bag-clip_02mm_pla_mini_2h0m.gcode

PLA 0.40 mm 0.20 mm 2.00 hrs 23 g Prusa MINI / MINI+

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