



Ratchets



fns720

[VIEW IN BROWSER](#)

updated 12. 4. 2022 | published 29. 1. 2020

Summary

Just a nice ratchet for holding your misc. cables together. This is my second ratchet design iteration.

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

Tags: [ratchet](#)

Just a nice ratchet for holding your misc. cables together.

This is my second ratchet design iteration. The previous ones required some assembly and M3 nut & bolt but in this one the single STL file contains both parts preassembled so you don't need to join them after the print.

I left 0.3 mm gaps between the parts and printed from PLA with 0.2 mm layer height, without any support. The result is so fantastic I'll continue use this pre-assembled methodology in my future designs!

I printed it on my Prusa i3 MK2 which did not get the multi-extruder upgrade yet but to bow before the father of my wonderful printer I rendered an image where the lock mechanism is Prusa-orange :)

Link to the Fusion 360 design in case you want to tweak on it: <http://a360.co/2sGiw2C>

Update #20200524: I have uploaded a 25 and a 40 mm version with dull teeth.

Update #20210117: base on user request I have uploaded a 32 mm dull teeth version.

Model files



40_mm_ratchet_-_all_in_one_-_opened.stl



25_mm_ratchet_-_all_in_one_-_opened.stl



ratchet-all-in-one-25-mm-dull-teeth.stl



ratchet-all-in-one-40-mm-dull-teeth.stl



ratchet-all-in-one-32-mm.stl



ratchet-v29.f3d

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