

Enraged Rabbit Carrot Patch (ERCP) MultiMOD 6&9x Buffer



Hills8

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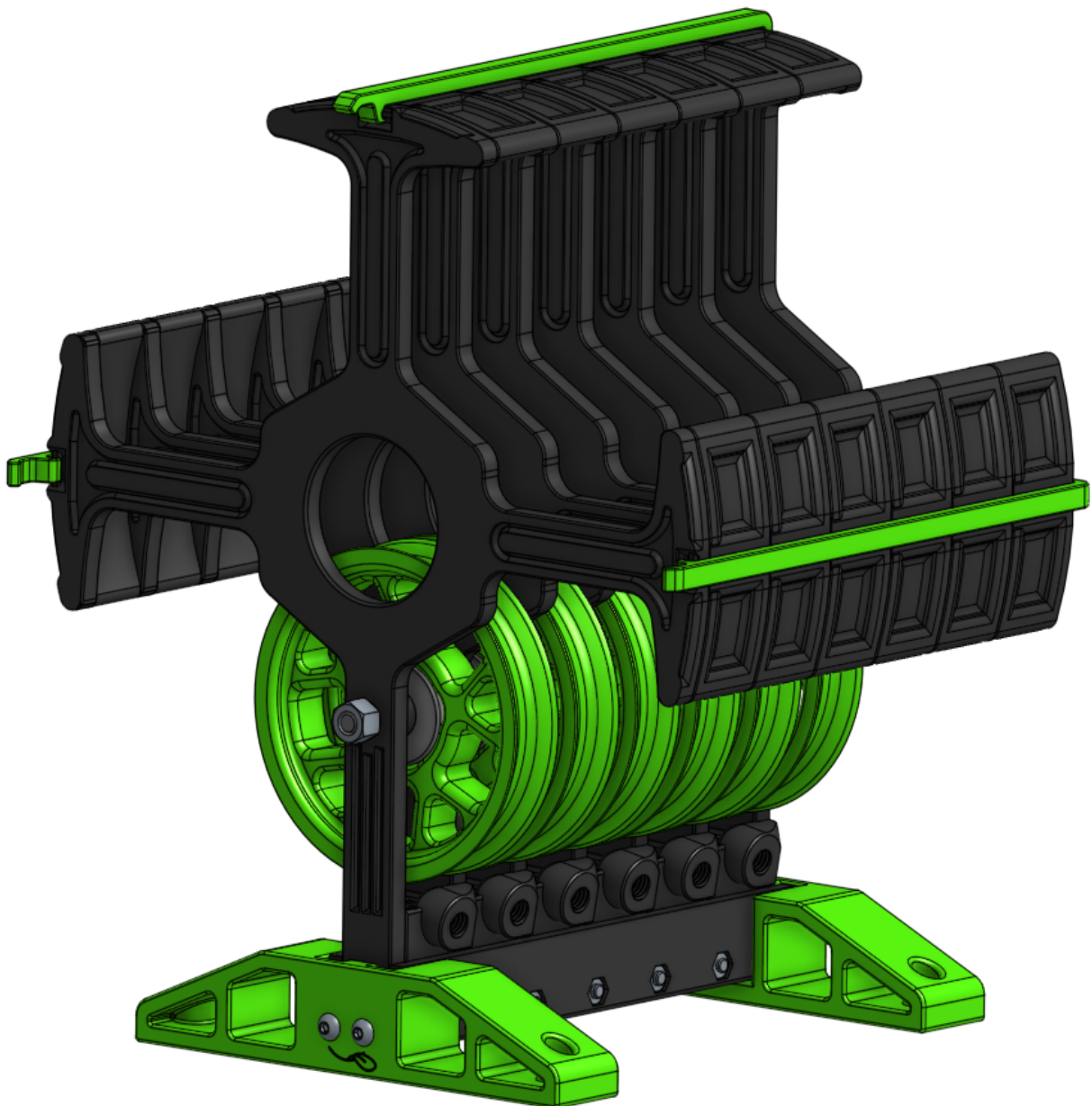
updated 24. 6. 2024 | published 24. 6. 2024

Summary

Filament holder removed and merged to a 6x multi buffer (files for 9 filaments also available)

[3D Printers](#) > [Other Printer Parts & Upgrades](#)

Tags: [buffer](#) [filamentbuffer](#) [ercf](#) [ercp](#) [enragedrabbit](#)



BOM

- Besides the printed parts you need of course the:
- 6x 608 bearings
- 1x 5mm steel rod with a length of 135mm (+ M5 tap) or directly as threaded rod.
- 2x M5 nuts
- 6x Pneumatic connector with M6, M8 thread or Ecas (choose correct PatchWall files)
 - (I used M6 connectors and enlarged the filament hole with a 2.5mm drill to reduce friction)
 - Important: If you choose to use M6 version, make sure to use PC4-M6-**T** version, where the PTFE Tube is able to run through!
- 4x M3 Threaded inserts
- 5x Screws M3x20mm + Hex Nuts
- 4x Screws M3x8mm

Additional Information

- The assembled PatchWall must have a combined theoretical width of 122mm. Due to tolerances, this can deviate and the LockerClips must be selected/changed accordingly. In the folder "optional" are already prepared lengths up to 126mm

Updates

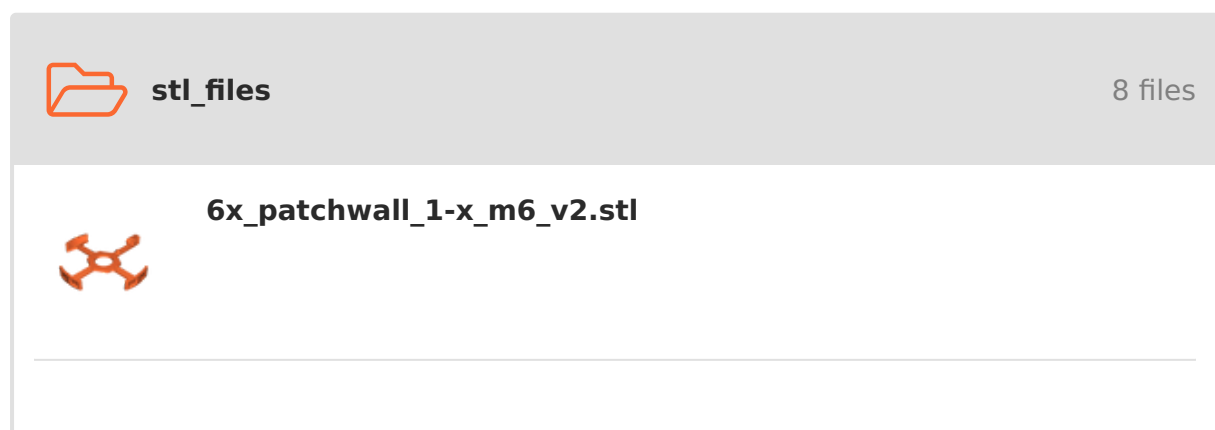
- 30.06.2023 :: Update files are marked with V2
- 17.07.2023 :: Patchwalls for M10 Pneumatic connector and PutInPlace connector added as step (Thanks [@Wolffy01_227703](#) for the Hint)
- 07.08.2023 :: added base_parts and Lock_clip for 9 filaments as well (parts extended by 58.5mm) see subfolder (step_files_9filaments)
 - be aware you will need a 58.5 mm longer rod as well. :)
- 27.11.2023 :: **!!! Based on some questions received: When using a ERCF you should always use PTFE Tubes with a hole (inner) diameter of 2,5mm, NOT the 2mm standard Tubes used with bowden extruders !!! Otherwise disruptions and unreliability are predetermined.**
- 24.06.2024 :: 6x_Wheel_V2.step added. This Wheel has holes to insert filament for better loading.

This remix is based on



GitHub - EtteGit/EnragedRabbitProject

Model files





patchwall_end_v2.stl



6x_608adapter.stl



6x_wheel.stl



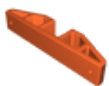
3x_lockclip_v2.stl



1x_base_part1_v2.stl



1x_base_part2_v2.stl



2x_basefoot.stl

☐ Face Version :P



optional

7 files

3x_lockclip_126mm.step

3x_lockclip_124mm.step

3x_lockclip_123mm.step

3x_lockclip_125mm.step

6x_patchwall_1-x_m8.step

6x_patchwall_1-x_putinplace_untested.step

6x_patchwall_1-x_m10.step

📅 updated 23.09.2023



step_files_9filaments

3 files

1x_9mod_base_part1_v2.step

1x_9mod_base_part2_v2.step

3x_9mod_lockclip_v2.step

6x_608adapter.step

3x_lockclip.step

lockclip_v2.step

patchwall_end_v2.step

ercp_multimod_pc4m6_allinone_v2.step

1x_base_part2_v2.step

1x_base_part1_v2.step

6x_patchwall_1-x_m6_v2.step

2x_basefoot.step

☐ Face version :P

6x_wheelstep_v2.step

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