

Shooting Patch Dispenser Rugged Box / Schusspflasterspender

 Codeleger

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Summary

Convenient shooting patch dispenser for range outdoors and indoors.

[Sports & Outdoor](#) > [Other Sports](#)

Tags: [patch](#) [shooting](#) [dispenser](#)

This is my design of a shooting patch dispenser,

BOM:

- Printed Parts
 - Plastic sheet(optional for windows)
 - 3x M3 Flat Head Screw (25-27mm or ~1 Inch) - For the **Single Dispenser** Version
- OR**
- 3x M3 Flat Head Screw (~50mm) - For the **Double Dispenser** Version

Printing recommendations:

- Lay bottom or top flat
- Use supports the side

- Material: ABS/PETG
- Layerheight 0.2mm

Size is optimized for **Krawikett 19mm patches** (roll contains 1000 patches) or for less than half the price those **19mm patches on aliexpress**, other brands should also fit, otherwise you can easily alter dimensions/modify the attached Fusion360 file.

Some e.g. aliexpress patch rolls are tight in the dispenser, just unroll some meters helps.

The Fusion 360 file also contains a sketch to add initials for some personalization, you can use it optionally.

Tips and Tricks

Handling

- For easier loading just rip of the tip of the tape in an steep angle, its leasier to fiddle in.

Postprocessing

- Take a thin and sharp blade (e.g. Box Cutter) and free the dispenser hole from debris/sacked down bridges.

Windows (OPTIONAL)

- If you plan on using it outdoors in dusty/dirty environments, you can use the cutting jig to cut out plastic windows that you can glue into the window openings.

If you like the design or find it useful, please give it a like and/or comment if you see potential improvements.

Update 30th April 2024: Added an alternative “top” part to enhance the experience for users of sticker tape that is spooled upside-down/reversed. (The tape should feed straight into the dispenser slot, it should first bend on the outside to remove the stickers from the roll)

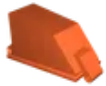
Update 17th September 2024: Added a double dispenser version, if you use shooting patches of two colors (or just want to have more patches for your disposal)

Model files



Single Dispenser

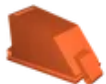
4 files



top_part_v2.stl



bottom_half_v2.stl



top_for_upsidedown_tape.stl

☐ tape should first bend on the outside to remove the stickers from the roll.

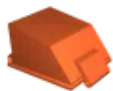


lock_latch_v2.stl



Double Dispenser

3 files



double_dispenser_top.stl



double_dispenser_lock_latch.stl



double_dispenser_bottom.stl



window_cut_jig_v2.stl



shootingpatch_dispenser-v2.f3d

☐ Fusion 360 file



shootingpatch_dispenser_double.f3d

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