



Travel Inkwell — No Spill type



Glebz

[VIEW IN BROWSER](#)

updated 19. 8. 2024 | published 19. 8. 2024

Summary

Inspired by victorian era devices of this kind, but a bit better: this one is unspillable even when uncovered.

[Art & Design](#) > [Other Art & Designs](#)

Tags: [travel](#) [calligraphy](#) [inkwell](#)

WARNING! If you're looking for most reliable travel inkwell, you've better get **this one with screw top**. It's way more easy to make the right way, than this.

This is non-spillable travel inkwell: when it's closed, you can put it in your backpack or pocket. When it's open, it's still won't spill if tilted.

The only unprintable parts is a small screw (any type of thin screw, no longer than 5-7 mm), and o-ring with inner diameter 18.64 mm and thickness of 3.53 mm. I get mine from automotive o-rings set, probably it's pretty standard. Or you can print one in flex plastic, I've included the model for the ring, you'll need to print it "upside down".

The part, named with "_oriented" suffix are the same as without, but they orientation is better suited for printing (it's my opinion, you may print them as you wish).

Waterproof inner part of body and funnel part after printing!

How to assemble:

1. Put o-ring to the cap
2. Attach cap to funnel part, you may use filament as an axel
3. Press latch into place
4. Glue funnel part with thick epoxy to the body
5. Open cap, glue second part of the hinge
6. Attach cover
7. Adjust latch with cover, screw it with a small screw in place

Model files



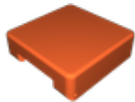
latch.stl

|| Print it horizontally on print bed



oring_0ex_print.stl

|| Print in flex plastic, if you can't get right sized o-ring. Rotate it upside down in slicer.



cover.stl

|| Better prints as is with supports



hinge_glued_part.stl



body_bottom.stl



inner_cap.stl

|| Prints upside down



funnel_part.stl



funnel_part_oriented.stl

|| I found that this orientation is the best — for my printer.

License Θ

This work is licensed under a
Creative Commons (4.0 International License)



Attribution-NonCommercial

-
- ✗ | Sharing without ATTRIBUTION
 - ✓ | Remix Culture allowed
 - ✗ | Commercial Use
 - ✗ | Free Cultural Works
 - ✗ | Meets Open Definition