

# Single Barrel Dry Box

 **Pete Cozeolino**

[VIEW IN BROWSER](#)

updated 9. 10. 2022 | published 9. 10. 2022

## Summary

This design uses cheap cereal containers from amazon to create a dry box which holds a single roll of filament.

[3D Printers](#) > [Accessories](#)

Tags: 

Parts: Cereal containers - [https://www.amazon.com/gp/product/B08YQN42HD/ref=ppx\\_yo\\_dt\\_b\\_search\\_asin\\_title?ie=UTF8&psc=1](https://www.amazon.com/gp/product/B08YQN42HD/ref=ppx_yo_dt_b_search_asin_title?ie=UTF8&psc=1)

PTFE tubes and sockets - [https://www.amazon.com/gp/product/B07L8R4SMG/ref=ppx\\_yo\\_dt\\_b\\_search\\_asin\\_image?ie=UTF8&psc=1](https://www.amazon.com/gp/product/B07L8R4SMG/ref=ppx_yo_dt_b_search_asin_image?ie=UTF8&psc=1)

m6 lock nut, washer, and rubber washer

m10 nut and rubber washer

(4) 607 bearings

plastic bonding glue (ie Loctite)

You will need to print 4 of the modified TUSH pieces and 1 of everything else per dry box.

In my completed version, I put the top PTFE socket too low. It should be aligned with the top of the spool.

the TUSH assemblies should be glued together. The spacer which the TUSH assemblies snap into doesn't need glue, and there's no need to glue the whole thing to the bottom of the container.

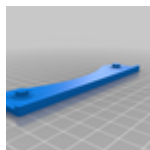
Let the bendy straw sit on the TUSH spacer to determine the height of your bottom hole. The bendy straw allows for the assembly to stay "airtight" even with the PTFE tube removed while printing. You should use a dab of glue to hold this to the nut.

The nut funnel pressure fits onto the M6 locknut. It helps decrease friction.

The silica basket needs to be glued to the underside of the lid where the small opening is.

Happy printing!

## This remix is based on



**TUSH - 607 bearing**  
by Reczi

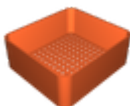
## Model files



**tush-33.stl**



**tush-spacer-33.stl**



**silica-basket-v3.stl**



**nut-funnel.stl**



**bendy-straw.stl**

## License ©



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

**Public Domain**

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