

## Spool brake for cereal container drybox



Glenn Brockett

[VIEW IN BROWSER](#)

updated 9. 10. 2023 | published 9. 10. 2023

### Summary

My cereal box dry containers were turning a little too well, so I made a fix.

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

Tags: [drybox](#) [brake](#) [cerealbox](#)

I made the spools for my dryboxes a little too free turning. Here is a brake I designed to keep them from spinning and causing tangles.

I used PET-G and TPU for the brake pads. Also needed are 2 - 608 bearings and 4 - M3x8mm bolts and nuts. All parts should be a good press fit

It seems possible that you can do it without the TPU brake pads, but they are quick to print and easily replaced or turned to a new surface to contact the spool.

If the spool still turns too easily, you can add weights to the arm, but it wasn't necessary in my case. You do want to de-grease the bearings before assembly, new bearings don't turn easily enough.

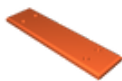
The main parts are printed with solid infill on the arms and around the screws.

The brake part is printed in 95A TPU, I print it standing up and remove the top and bottom layers with about 40% gyroid infill.

## Model files



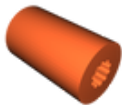
**spool-brake-inside.stl**



**spool-brake-outside.stl**



**spool-brake-arm.stl**



**spool-brake-brake.stl**

## License ©

This work is licensed under a  
[Creative Commons \(4.0 International License\)](https://creativecommons.org/licenses/by-nc/4.0/)



**Attribution-NonCommercial**

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

