



Table Top Ball Bearing Spool Holder

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Summary

A table top spool holder so that you don't need to remove the spool roller from the dry box storage

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I got lazy with the need to remove the roller from the spool when I take it out from the 4L cereal box (dry box) whenever I want to use it. Hence, designed a table top spool holder to hold the spool in place.

I am new to 3D printing and modelling so trying my hands on modelling it. The parts print without support and does not need additional screws except for two 608ZZ ball bearings. If you have the 4L cereal dry box, you most likely already have the 608ZZ mounted on the roller too.

For those who wish to display or line up more than one spool, you can use the frame clips to clip the spool holder side by side. The notches on the frame are meant for the clips.

On the bottom of the frame are designated places for fixing anti-slip pads.

Do post share your makes!

Parts list

- 2 x frames
- 2 x frame bars consisting 4 halves and 2 joining bars
- 1 x roller consisting 2 halves and 1 joining bar
- 2 x frame clips (if you intent to have multiple spool rollers side by side)

Required material(s)

- 2 x 608ZZ ball bearings

The way I printed it

- Layer Height: 0.24mm
- Wall Layers: 5
- Infill Pattern: Gyroid
- Infill Density: 20%
- Brim: None
- Support: None

Model files



200mm-spool-holder-no-support-frame-clips.stl



200mm-spool-holder-no-support-roller.stl



200mm-spool-holder-no-support-frame-bars.stl



200mm-spool-holder-no-support-frames.stl

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