



Yet another TUSH v2 - one piece with printed axles and spool guides

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Summary

Redesign of my one-piece TUSH with guiding rims - now using less material, printing faster, even better stability

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Redesign of my **other** TUSH using less material and printing faster but nevertheless giving improved stability.

Print the guiding rims and axles with 5 walls and 50% infill and a brim for the axles.



For a whole set of two spoolholders, print

- 2x base
- 4x axle
- 4x rim

The rims and axles should be a tight fit, but not need excessive force to be pushed over the bearings re. into the base and bearing. If in doubt, print a sample rim & axle to test the assembly.



The axles could be replaced with four M8x20 screws and nuts if you are not comfortable with them. I have used the TUSH with printed axles with 2.5 kg spools without any issues.



BOM:

- 4x bearings 608ZZ, e.g. from Amazon: <https://amzn.to/3ZtLnap> (affiliate link)

Filament used

- Extrudr PLA NX2 black https://www.extrudr.com/de/produkte/catalogue/pla-nx2-schwarz_1966/
- Extrudr PLA NX2 silver https://www.extrudr.com/de/produkte/catalogue/pla-nx2-silber_1972/

Model files



ya-tush-stand.3mf



ya-tush-rim.3mf



ya-tush-axle.3mf

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