



Neptune 4 Pro - Spool holder with bearings

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Summary

An improved spool holder for Neptune 4 Pro, which includes 6004 bearings for better rotation.

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An improved spool holder to fit (at least) Neptune 4 Pro. Includes space to hold 6004 bearings inside the holder for smoother rolling. This improves the printing experience especially when using the cardboard filament rolls used in (at least) Elegoo Rapid+ PLA.

To insert the bearings, print the whole model including both parts with the thread-part facing upwards. Add pauses for inserting the bearings after 15 mm and 83 mm. The outer diameter is 49.20 mm, so this might not fit all filament rolls, please bear that in mind.

Printed with Neptune 4 Pro, using Elegoo Rapid+ PLA. Print settings:

- 0.20 mm layer height
- 15 % gyroid infill
- 5 wall loops

- Pauses for inserting the bearings at the beginning of layer 76 (15.20 mm) and 416 (83.20 mm)
- Print both parts at the same time, **assembly is impossible otherwise!**
- Includes a cut-out for screwing in the spool holder, fits for example 50 cent euro coin

Dimensions for 6004 bearing:

- Inner diameter: 20 mm
- Outer diameter: 42 mm
- Width: 12 mm

Model files



neptune-4-pro-spool-holder.stl

☐ STL for printing

neptune-4-pro-spool-holder.step

☐ Step-file if you need to edit it

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