



Prusa Mini plus Z-axis Spool on top



Dedoper

[VIEW IN BROWSER](#)

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Summary

Filament spool on top of the Z-axis of the Prusa Mini - Mini+



19.21 hrs



8 pcs



0.20 mm



0.40 mm



PLA



173 g



Prusa MINI /
MINI+

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[on](#) [top](#) [zaxis](#) [zaxisadjustment](#)

The cover and brace are attached to each other with 4 screws. In the meantime I have made a small adjustment, which is not yet visible in the photos, to the Z-axis cover, made air holes and a guide for the filament. I printed everything at 0.20 mm with 20% fill Few supports are needed.

Update:

Cover photo adjusted. Added files for a ball bearing bobbin that makes the spool spin smoother. The original ball bearing of the Prusa base spoolholder can be used for this (608b) Before that also added the files for the thinner screw and button. The custom bobbin with ball-bearing also fits the brace.

Also check out my second version

<https://www.prusaprinters.org/prints/111330-prusa-mini-plus-z-axis-spool-on-top-version2>

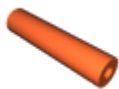
Model files



prusa_mini_z-axis_spool-on-top_cover.stl



prusa_mini_z-axis_spool-on-top_brace.stl



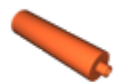
prusa_mini_z-axis_spool-on-top_bobbin.stl



prusa_mini_z-axis_spool-on-top_axis-screw.stl



prusa_mini_z-axis_spool-on-top_knob.stl



prusa_mini_z-axis_spool-ball-bearing-on-top_axis.stl



prusa_mini_z-axis_spool-on-top_ball-bearing_knob.stl



prusa_mini_z-axis_spool-on-top_ball-bearing_axis-.stl

Print files



prusa_mini_z-axis_spool-on-top_cover_02mm_pla_m.gcode

🌀 PLA 📏 0.40 mm 📐 0.20 mm ⌚ 6.14 hrs ⚖️ 60 g 📄 Prusa MINI / MINI+



prusa_mini_z-axis_spool-on-top_brace_02mm_pla_m.gcode

🌀 PLA 📏 0.40 mm 📐 0.20 mm ⌚ 6.62 hrs ⚖️ 69 g 📄 Prusa MINI / MINI+



prusa_mini_z-axis_spool-on-top_bobbin_02mm_pla_.gcode

🌀 PLA 📏 0.40 mm 📐 0.20 mm ⌚ 2.15 hrs ⚖️ 17 g 📄 Prusa MINI / MINI+



prusa_mini_z-axis_spool-on-top_axis-screw_02mm_.gcode

🌀 PLA 📏 0.40 mm 📐 0.20 mm ⌚ 0.86 hrs ⚖️ 4 g 📄 Prusa MINI / MINI+



prusa_mini_z-axis_spool-on-top_knob_02mm_pla_mi.gcode

🌀 PLA 📏 0.40 mm 📐 0.20 mm ⌚ 0.28 hrs ⚖️ 1 g 📄 Prusa MINI / MINI+



prusa_mini_z-axis_spool-on-top_ball-bearing_kno.gcode

🌀 PLA 📏 0.40 mm 📐 0.20 mm ⌚ 0.39 hrs ⚖️ 3 g 📄 Prusa MINI / MINI+



prusa_mini_z-axis_spool-ball-bearing-on-top_axi.gcode

🌀 PLA 📏 0.40 mm 📐 0.20 mm ⌚ 2.14 hrs ⚖️ 16 g 📄 Prusa MINI / MINI+



prusa_mini_z-axis_spool-on-top_ball-bearing_axi.gcode

🌀 PLA 📏 0.40 mm 📐 0.20 mm ⌚ 0.63 hrs ⚖️ 3 g 📄 Prusa MINI / MINI+

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