

Parametric spool holder for ≤ 2.3 kg spools



xtrusion

[VIEW IN BROWSER](#)

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Summary

Spool holder for spools up to 40 cm diameter



7.14 hrs



4 pcs



0.55 mm



0.80 mm



PLA



353 g



Prusa
MK3/S/S+

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Tags: [2kgspool](#) [bearing](#) [parametric](#) [spoolholder](#) [2kg3spool](#)

This spool holder can be used for spools up to 40 cm diameter. It is parameterized on Fusion 360 so that it can be easily adapted to any other size.

Bearings for the cross brace are optional. Bearing size on current model is particularized for 26 mm and 10 mm outer and inner diameter respectively. However, this can be customized updating the parameters "bearing_out_dia" and "bearing_in_dia".

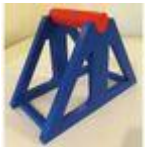
Printing configuration

I printed these models with a 0.8 mm nozzle for reducing printing time.

Supports on the cross brace model are required. Printed in PLA with 0.55 mm layer height. However, model and 3MF files are provided to adapt the slicer parameters to your needs.

It is recommended to slice the cross brace with 100% infill on the extremes for further robustness. Check current cross_brace.3mf for reference.

This remix is based on



Spool Holder Low Friction

by MajorOCD

Model files



3MF

4 files



spool_holder_part_1.3mf



bottom_connector.3mf



spool_holder_part_2.3mf

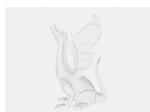


cross_brace.3mf

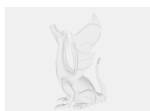


Fusion 360 models

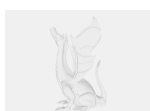
4 files



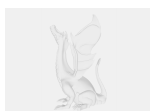
cross_brace.f3d



bottom_connector.f3d



spool_holder_part_2.f3d



spool_holder_part_1.f3d

Print files



bottom_connector_08n_055mm_pla_mk3s_56m.gcode

⚙️ PLA ⚙️ 0.80 mm ⚙️ 0.55 mm ⌚ 0.93 hrs ⚖️ 46 g 🖨️ Prusa MK3/S/S+



spool_holder_part_2_08n_055mm_pla_mk3s_2h14m.gcode

⚙️ PLA ⚙️ 0.80 mm ⚙️ 0.55 mm ⌚ 2.24 hrs ⚖️ 116 g 🖨️ Prusa MK3/S/S+



spool_holder_part_1_08n_055mm_pla_mk3s_2h9m.gcode

⚙️ PLA ⚙️ 0.80 mm ⚙️ 0.55 mm ⌚ 2.15 hrs ⚖️ 110 g 🖨️ Prusa MK3/S/S+



cross_brace_08n_055mm_pla_mk3s_1h49m.gcode

⚙️ PLA ⚙️ 0.80 mm ⚙️ 0.55 mm ⌚ 1.82 hrs ⚖️ 81 g 🖨️ Prusa MK3/S/S+

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