



Spool Spindle



Zemba Craftworks

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Summary

This is a filament spool spindle designed to reduce the torque necessary to unspool filament while printing (on a...

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[reprap](#) [hatchbox](#) [hatchboxfilament](#)

This is a filament spool spindle designed to reduce the torque necessary to unspool filament while printing (on a Prusa i3 with 7mm threaded rod spool holder, or any other similar printer) -- give it a shot if you're having under-extrusion issues.

The dimensions were based on Hatchbox spools, but you can easily scale to other dimensions.

As designed, I printed two short pieces for each side of the filament spool. I also included one long solid spindle if you'd rather have a single piece.

Print Settings

Printer Brand:

RepRap

Printer:

Prusa i3

Rafts:

No

Supports:

No

Resolution:

0.3mm

Infill:

100

Notes:

Prints without rafts or supports. I printed 100% infill for strength, but it's probably not necessary.

Category: 3D Printer Accessories

Model files



spool_spindle_25mm.stl



spool_spindle_10mm.stl



spool_spindle_5mm.stl



spool_spindle_65mm.stl

[Find source .stl files on Thingiverse.com](#)

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