



# Ultimate Spool Holder (for Ender 3 style printers)

**T** Trash Mail

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## Summary

better spoolholder for ender 3

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I designed this spoolholder for my Ender 3 Pro because the holder that came with the printer squeeks whenever the spool is rotating and i was not satisfied with the options I found here.

The key things i tried to archieve when designing this were:

- silent operation
- minimal friction on the spool
- minimal filament usage
- printability without support

It reuses a piece of old PTFE Bowden tube to minimize the friction of the spool and thus also removes all noise (I once saw the idea of wrapping the spool holder in Teflon tape in a youtube video and thought it was a nice idea however this wore down over time). The design uses the standard Ender 3 mounting mechanism and lockring. This removes the need to print an extra hanger.

Printed with my favourite Filament at the moment Prusament Galaxy Black PLA.

If you want to edit the design you can find it here: <https://cad.onshape.com/documents/c0271e6df9a032eafaa1937f/w/8b0294f6d15a0737d8c8b2e7/e/ba29482708e1332cd115818e?renderMode=0&uiState=642f0bbd45933c6db2b4583e>

## Model files



ptfe\_spool\_holder.step

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