

Creality Ender 3 Direct Drive Spool holder (2020 Extrusion)



sapencil

[VIEW IN BROWSER](#)

updated 4. 6. 2020 | published 2. 6. 2020

Summary

this is a custom spool holder i designed for my printer after i converted it to direct drive.

[3D Printers](#) > [3D Printers - Upgrades](#)

Tags: [spool](#) [filament](#) [extrusion](#) [spoolholder](#) [creality](#)
[ender](#) [ender3](#) [2020extrusion](#)

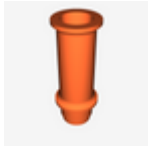
this is a custom spool holder i designed for my printer after i converted it to direct drive. the spool cylinder is made to fit most 1kg filaments and can be on either side of the main body.

Print instructions

- can be printed at high layer heights(<0.28mm)
- 40% or more infill and 4 walls or more
- suggest scale up main body by 1 percent to make up any tolerance issues, or sand to fit.
- an m3x25 or longer and m3 nut is needed to secure the clip for the spool cylinder to the main body.

- two m5 bolts and t nuts from the original spool holder is needed to secure the spool holder into the extrusion

Model files



spool_reg_1kg.stl



clip.stl



main-body.stl

License

This work is licensed under a
[Creative Commons \(4.0 International License\)](https://creativecommons.org/licenses/by/4.0/)



Attribution

-
- ✗ | Sharing without ATTRIBUTION
 - ✓ | Remix Culture allowed
 - ✓ | Commercial Use
 - ✓ | Free Cultural Works
 - ✓ | Meets Open Definition