



\$5 filament spool and holder for Tiko 3D



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updated 12. 4. 2022 | published 23. 3. 2022

Summary

I finally got my Kickstarter Tiko 3D printer. The spool area on top is limited to 165mm spools. But it's not very fast...

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I finally got my Kickstarter Tiko 3D printer. The spool area on top is limited to 165mm spools. But it's not very fast and found leaving the included filament overnight had a tendency to break. So I thought **Protoparadigm's \$5 filament** (200gm spools) were perfect for it. But the spool area on the Tiko is a bit large for the smaller spools and wanted make the filament as easy to feed as possible. I figured a spool on a stand.

After seeing a buddy's spool he used, I tried my hand at making my own spool. It was designed with two starts on the thread for faster alignment. I also wanted it to fit the print bed on the Tiko. Then made the base for the spool to spin on.

The spool glides well enough on the base as is, but designed it add three 623zz bearings in using M3x10 screws if need be.

CAUTION: These were not printed on a Tiko. Currently, my Tiko is not able to achieve reliable prints.

Print Settings

Printer:

Tronxy X3

Rafts:

No

Supports:

No

Resolution:

0.25

Infill:

10%

Notes:

2 shells/perimeters. 4 layers top and bottom.

Post-Printing =====

Should feed smoothly enough, but for added glide, add three 623zz bearings using m3x10 screws.

Category: 3D Printing

Model files

five_dollar_tiko_base.stl



five_dollar_tiko_spool_bottom.stl



five_dollar_tiko_spool_top.stl



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

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