

Filament Sharpener -- 1.75mm



idig3D

[VIEW IN BROWSER](#)

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

Summary

My filament kept catching on the starting connector of my Bowden tube. So I got a pack of dollar-store cheap pencil...

[3D Printers](#) > [Accessories](#)

Tags: [kossel](#) [sharpener](#) [rtideas](#) [175filament](#)

My filament kept catching on the starting connector of my Bowden tube. So I got a pack of dollar-store cheap pencil sharpeners to try.

Nope. Way too big. So I modeled my own in SketchUp and printed my own to fit the blade they use. Works--after a third revision.

Instructions

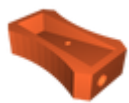
- Slice the STL at .2mm layer height to your printer's needs.
- Print it.
- Get a pack of cheap pencil sharpeners from a dollar store or their ilk.
- Using a small phillips scwdriver, remove the screw holding the blade and CAREFULLY take out the blade.
- Put the blade in your printed sharpener with the business end over the angled hole.
- Attach blade with screw form old sharpener.

To use:

- Place sharpener over 1.75 mm filament end.
- Hold filament firmly and rotate sharpener.
- Don't push too hard. Let the tool do the work.
- Removed pointing filament.

Category: 3D Printer Accessories

Model files



sharpener.stl

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

License

This work is licensed under a
Creative Commons (4.0 International License)



Attribution-ShareAlike

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