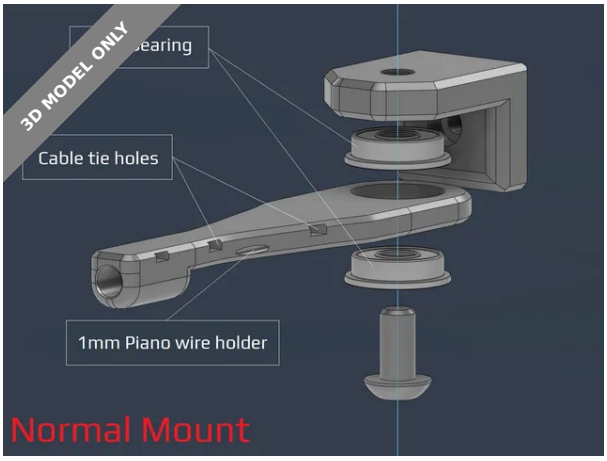

Voron Bowden ptfe tube guide arm and canbus cable support

Galvanic

VIEW IN BROWSER

updated 28. 2. 2026 | published 28. 2. 2026

Summary

Voron PTFE Bowden tube guide and canbus cable holder

3D Printers > Voron Parts & Upgrades

Tags: holder guide ptfe tube bowden wire trident voron canbus

V2- PTFE bowden tube guide and CANBUS wire support

**** 7NOV24 -Removed a zip tie hole on the long arm's that was a weak point ****

I've made some adjustment after some feedback from the community.

Changes made over V1:

- Added a option to have F695 bearings incorporated
- Enlarged the tube opening
- Added cable/zip tie openings
- Added spot for 1mm piano wire if needed.

Recommended print settings:

- Voron print settings (4 walls, 40% infill and 5 top and bottom layers)
- Turn off thin walls
- Bridge setting: keep only bridges (watch out for bridging for cable tie holes)
- 0.2mm layers and 0.2mm first layer
- No need to adjust for ABS shrinkage

Required Hardware:

- M3x8 Bolt and M3 T-nut
- M5 bolt to suit option.
- Optional M5 nut if you can fit it with the bearing option.

V1 - PTFE bowden tube guide and CANBUS wire support

This is can found inside the zip files and of the initial release

Required Hardware:

- M3x8 Bolt and M3 T-nut
- M5x10 Bolt or a M5x8/12
- Optional 4mm drill bit for cleaning out bowden tube path

About

In my 350 build the PTFE tube kept getting caught so I made this arm to keep it up. The shorter arm works better so I recommend using it instead The setup has also been used by a few user to support their CANBUS wires (zip tied to the reverse bowden)

Install

- Drill out bowden guide with 4mm drill bit for a perfect fit (optional)
- Bolt mount to rear frame with M3x8 and tnut putting the lip at the top
- Screw arm on with M5x10 (I used a M5x8mm and it works fine) into the plastic allowing the arm to still be able to swivel

Model files

CAD 2 files

bowden_guide-v2.step

bowden_guide-v2.f3d

STL's 9 files

mount.stl

mount_bearing.stl

under_extrusion_mount.stl

under_extrusion_mount_bearing.stl

low_mount_bearing.stl

short_arm_bearing.stl

short_arm.stl

long-arm-bearing.stl

long_arm.stl

bowden_guide-v2.3mf

Other files

v1.zip

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