Printables by JOSEF PRUSA

3D MODEL ONLY

Voron Filament Side Roller v2

neon.blue

VIEW IN BROWSER

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Summary

Ball bearing smooth for all your filaments

3D Printers > Voron Parts & Upgrades

Tags: filament extrusion v2 roller 2020 ballbearing trident

Features

- Fits any 20x extrusion
- Clears panel snap latches
- Does not overlap panels
- Sits away from front door for better compatibility with Clicky Klack mod
- Uses ball bearings for low-friction rolling
- Strong enough to support a 1kg roll without sagging

Compared to Version 1

- Sits farther off extrusions
- Less to print (only 1 part)
- Less hardware, no heatsets
- Voron logo

BOM

- (2) 688-2RS bearings (example)
- (1) 8mm shaft - 80mm OR 90mm (example)
- (2) M3 8mm cap head screw
- (2) Your preferred extrusion nut

Sizing
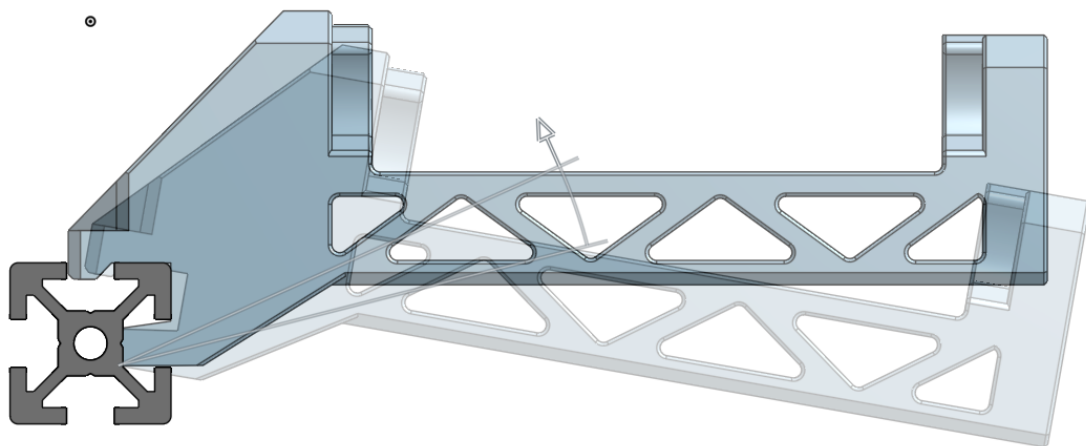
Which size to use, 80mm or 90mm?

- 80mm should fit all standard 1kg spools or smaller
- 90mm gives a little bit of extra room if you need to run slightly larger-than-standard spools
- I run 80mm on all my machines

Printing

- Use Voron standard
- 0.4n
- 4 walls
- 40% infill

Installation

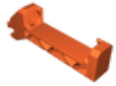Insert into extrusion with a slight downward angle, then snap up.

Model files

 With Voron Logo   2 files
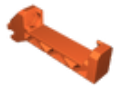
 side-roller-80mm-voron.stl

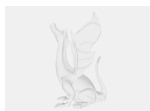 **side-roll-90mm-voron.stl**

 Without Voron Logo   2 files
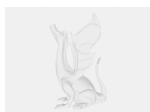
 side-roll-80mm.stl

 side-roll-90mm.stl

 CAD   2 files

 side-roll-80mm.step

 side-roll-90mm.step

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