



Dial Indicator mount for Voron Afterburner toolheads

M **Macian**

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Summary

Dial gauge mount to fit Voron Afterburner and Stealthburner toolheads.

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I needed a way to measure bed flatness so I made this dial gauge mount to fit my Voron 2.4 x carriage frame. It fits the standard Afterburner or Stealthburner(beta) carriage.

For use, remove the hotend mount and extruder. Install this dial indicator mount by sliding it under the upper hotend mount screws (may need to back them out a bit) and secure with two M3x8 bolts. Don't forget to snug up the upper two screws. Slide your dial indicator gauge in and tighten the M3x16 bolt to secure it in place.

If you use the nozzle stop for z, you'll need to home the printer before removing the existing hotend and extruder to put this on. I just set my probe up as the z endstop for testing purposes and changed `z_safe_homing` coordinates to put the probe over the bed for homing z on my Voron 2.4.

I started version that doesn't require the extruder to be removed but it's ridiculously long and I worried about accuracy using it. That's why I made this one, it puts the tip of the indicator about the same area as the nozzle would be (not exactly though). If you'd like the other version, shoot me a message and I'll finish it and upload it as well.

Required for assembly:

M3x16 SHCS

M3 heatset, I used a 5mm length one.

You could use an M3x20 and a nut (washer recommended) if you don't want to mess with the heatset.

Worked flawlessly.

Print Settings

Printer:

Macian's Custom CoreXY

Rafts:

Doesn't Matter

Supports:

No

Resolution:

0.2

Infill:

20%

Filament:

Any Any

Any

Notes:

I used .2mm layer height, 4 perimeters, 5 top/bottom layers and 20% infill, use whatever you like. It doesn't need to be super strong, just reasonably enough to be rigid. PLA, PTEG or ABS should all work fine.

Category: 3D Printing

Model files

dialindicator2.stl

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

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