



Vernier Caliper - simple, easy, 2 parts.

M Marty Chip

VIEW IN BROWSER

updated 17. 5. 2022 | published 17. 5. 2022

Summary

This is remix of the apparently unloved (unmade?) simple 2-part vernier caliper by...

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This is remix of the apparently unloved (unmade?) simple 2-part vernier caliper by harkiirat. <https://www.thingiverse.com/thing:4509947>

I printed that but it was unusable because of 0.7mm clearance between the two parts. I modified 'slider' part in F360 to make a light sliding fit. This results in a simple, handy caliper that works and feels smooth. It's probably accurate to 0.15mm-ish up to 20-40mm - OK for roughly sizing parts at a desk during design but, look, it's a printed plastic vernier - don't go designing critical parts with it.

The graticule prints out deep and clear - easy to fill with paint.

'Rule' part stays unchanged and is just included here for convenience, now as .STL.

'Slider' needs support to bed, 'rule' doesn't. Print them both 'flat', that's fine. PLA is probably OK but I had PETG loaded so...

Print Settings

Printer Brand:

Prusa

Printer:

I3 MK3S

Rafts:

No

Supports:

Yes

Resolution:

0.1 or 0.2

Infill:

50% give or take

Filament: flmnt.tw PETG black

Category: Hand Tools

Model files



slider_v2b.stl



rule.stl

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

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