



Small thumbwheel for bed leveling

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Summary

Small 18mm thumbwheels from manually adjusting beds on assorted derivative i3 kit printers. Replaces smaller metal...

[3D Printers](#) > [3D Printers - Upgrades](#)

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Small 18mm thumbwheels from manually adjusting beds on assorted derivative i3 kit printers. **Replaces smaller metal thumbscrew nuts and wing nuts** but should not bump into anything.

An M3 screw has a 0.5mm thread pitch when means a full turned of a bed leveling nut moved the bed 0.5mm. Two turns would be a full millimeter. The thumbwheel I designed has 10 points on it so every point is 0.05mm height change. Two points would move that corner of the bed up or down 0.1 mm.

I created another **thumbwheel design** that is too big for some of my newer i3 kits.

This thumbwheel works well with Tronxy X3, Zonestar P802M, Anet A8, and a few other i3 kits.

If you find this useful, please encourage me with a tip.

UPDATE: added a new version with the numbers in reverse per maker's correct logic: small_thumbwheel_rev2.stl <-- use this one from now on.

Print Settings

Printer:

Tronxy X3

Supports:

No

Resolution:

0.12mm - 0.16mm

Infill:

20%

Notes:

Has a built in support ring that you should be able to push out with a 2.5mm hex wrench. A M3 nut should press fit into it.

3 shells.

Post-Printing

Use a 2.5mm hex wrench to pop out the support ring.

Press in an M3 nut.

How I Designed This

I used my drug of choice, [Onshape](#).

Started the design on my iPad, then refined in on my iMac.

Category: 3D Printer Parts

Model files



small_thumbwheel_rev2.stl



small_thumbwheel.stl

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

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