



CR-10 Precision Thumbdial

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Summary

A more precise way to dial in your CR-10's bed. Fits over existing bed knobs. M4 threads have a 0.7mm pitch, so...

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A more precise way to dial in your CR-10's bed. Fits over existing bed knobs.

M4 threads have a 0.7mm pitch, so turning the knobs 1/7 of a turn will change the distance 0.1mm.

I beveled the face and added numbers so you could read numerical adjustment. Each big point is 0.1mm. Small points are 0.02mm. Bigger numbers mean a bigger gap.

The file named "cr10_thumbdial_ws_idig3d.stl" is with support. The support is a solid ring you can snap out when the print is completed. A screwdriver may help.

Contribute to my coffee fund if you find this useful and want to encourage my insanity. Thanks!

Print Settings

Printer:

CR-10

Rafts:

No

Supports:

No

Resolution:

0.2-0.25mm layers

Infill:

25-33%

Notes:

3 shells/perimeters. If you want your slicer to generate support, use the file without "ws" in the name.

Slow down the first layer since there are some smaller sections.

Post-Printing

If you printed the 'ws' (With Support) version, snap out the ring.

Remove each bed knob one at a time.

Press the knob into the thumbnail.

Screw back on the bed screw.

Repeat for all four screws.

Relevel the bed.

I usually print a few lines of a skirt around my prints and turn the dials to get the bed dialed in.

Category: 3D Printer Parts

Model files



cr10_thumbdial_idig3d.stl



cr10_thumbdial_ws_idig3d.stl

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

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