



## Kossel Mini Hexagon Heat Bed and Glass Plate Mount



Inhibit

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### Summary

Having decided I quite like Boo's Adjustable Mini Kossel Hotbed and Glass Bed Clamp V2 design I decided to modify it...

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Having decided I quite like Boo's Adjustable Mini Kossel Hotbed and Glass Bed Clamp V2 design I decided to modify it to my purposes.

To wit; I needed more-than-side-pressure retention on the glass plate. This modification adds a lip which very slightly reduces the build area but will clamp the bed securely during movement.

I've also broken out the build into a separate boot (Kossel-Hexagon\_Heat\_Plate\_Mount) and clip (Kossel-Glass\_Bed\_Mount\_Clip) design. If you already have the boot printed you only need my clip modification if you'd like to use it.

Also, although it's not pictured, the underside of the heated bed is cushioned and insulated with Aerogel. If you are to do this make sure your electrical joints are sealed up just in case your insulate is conductive.. I

achieved this with some high-temp silicone good to ~300 degrees Celsius over any open conductive point.

## **Print instructions Category: 3D Printer Parts Print Settings**

**Printer Brand:** Rostock

**Printer:** Rostock MAX V2

**Rafts:** No

**Supports:** No

**Resolution:** 0.2

**Infill:** 15%

### **Notes:**

Printed in ABS for better heat resistance.

## **Post-Printing**

### **Tooling the Part**

In my case I drilled out the holes in the clips to 2.9mm. 3mm would probably work as well; I prefer a slight under-size so the threading will grip on my M3 fasteners.

### **Fastener BOM**

For this installation I used M3 bolts that were a bit too long, buffering them to the correct height with M3 Nuts on top. Square M3 nuts were used to hold the clips to the 1515 channel.

## **Model files**



kossel-glass\_bed\_mount\_clip.stl

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kossel-hexagon\_heat\_plate\_mount.stl

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

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