



## Kossel 2020 Corner Reinforcement



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updated 12. 4. 2022 | published 30. 3. 2022

### Summary

IMPORTANT! DO NOT JUST PRINT 6 OF THESE. You'll need 3 Left and 3 Right braces -- so you'll need to MIRROR the design...

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IMPORTANT! DO NOT JUST PRINT 6 OF THESE. You'll need 3 Left and 3 Right braces -- so you'll need to MIRROR the design to get the second 3!

Corner reinforcement for an Openbeam 2020 Kossel. I wasn't sure I needed these, but the lack of rotational bracing on Kossel corners always bugged me so I gave this a try -- and it definitely does make a difference, albeit not a huge one. The structure is more rigid and ringing artifacts are tighter/smaller. I haven't put them on the top of mine yet, just the bottom, but they should have adequate clearance (at least on my linear Kossel).

Designed for M4x8mm bolts -- you'll need 4 per brace or 24 total. Use a fairly dense supporting grid for best results.

You'll also want to re-level your printer after installing these. I've had no printing issues since putting mine on and re-leveling.

6/1/2018 NOTE: if you want to take your frame rigidity to the next level FO REALS, check out my complementary wire brace system here: <https://www.thingiverse.com/thing:2941886>

10/24/18 NOTE: And spreader arms for that: <https://www.thingiverse.com/thing:3173546>

## Print Settings

### Rafts:

No

### Supports:

Yes

### Resolution:

.2mm

### Infill:

40%

Category: 3D Printer Accessories

## Model files



kossel\_2020\_reinforcement\_v1.stl

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

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