



Extrusion Corner Plate Brackets for 1515, 2020, 2525, 3030, or 4040



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Summary

Extrusion corner brackets with built-in plates. Short and tall versions for 2020, 3030, and 4040 extruded aluminum --...

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Extrusion corner brackets with built-in plates. Short and tall versions for 2020, 3030, and 4040 extruded aluminum -- and now with 2525. Print three of each for each corner.

I like to break things down to essential patterns and make things printable without support. Also, I try to incorporate orientation for making the strongest parts.

By printing them in three parts, it should reduce the print time about 10-15% or much more since you can print without supports. Printing them

flat this way should also give greater strength in all directions since the part is rotated for each corner direction.

1515 has M3 holes and 5mm thick.

2020 and 2525 have M5 holes and 5mm thick.

3030 and 4040 have M8 holes and are 6mm thick (new version of 3030 short has M6 holes).

Updated: 1515 added with M3 holes, 3030 short added with M6 holes, 2020 short added with notch for pass-thru extrusion, 3030 short added with notch for pass-through extrusion. Remember, tipping is great encouragement!

This is currently experimental and open to suggestions.

If you this helps and want to encourage my insanity, buy a [cup of coffee](#) for me, a [bag of coffee](#), or you [pick the value](#). Thanks!

Print Settings

Printer:

Creality CR-10

Rafts:

No

Supports:

No

Resolution:

0.2-0.24 mm

Infill:

25-60% -- 3 or more outlines

Notes:

Print in groups of 3 for each corner. They should print flat and then join all together. It is designed with a 0.2mm offset that works well for most of my printers.

The more outlines/perimeters and denser the infill, the stronger they should be. Category: 3D Printer Parts

Model files



3030_tall_-_base_m5.stl



3030_short_-_base_m6.stl



4040_tall_-_base.stl



2525_short_-_base.stl



3030_short_-_base_notched_m8.stl



2020_short_-_base_notched.stl



3030_tall_-_base_m6.stl



3030_tall_-_base_notched_m6.stl



3030_tall_-_base_notched_m5.stl



2020_short_-_base.stl



3030_short_-_base_notched_m6.stl



3030_short_-_base.stl



3030_tall_-_base.stl



1515_short_-_base_notched_m3.stl



4040_short_-_base.stl



2525_tall_-_base.stl



2020_tall_-_base.stl



1515_short_-_base_m3.stl

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