



Bicycle Wheel Top Crankset Cover Guard 120mm² bolt pattern

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VIEW IN BROWSER

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Summary

A cover/guard for my bicycle's Wheel Top crankset that has a 120mm² bolt pattern

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My crankset guard broke recently, so I went searching for a reasonable replacement model. I found https://www.printables.com/make/3670725?comment_id=3670725 which is a great model, but unfortunately wasn't a good match for my crankset.

After some investigation I found I had a Wheel Top crankset, with a bolt pattern of 120mm². Immediately, I got to modeling. I kept it simple, and made a parametric model so small tweaks could be made for minor adjustments/depths/offsets, etc, but the shape is a relatively simple one. The outer face is a simple flat ring, and the inner face has a bit of a lip to help cover closer to the gears to hopefully protect from gunk a little better.

The screws I bought were M4 x 8mm countersunk screws, but the F3D file is provided in case you'd like to use a different type of bolt or screw.

I'm not confident in my cycling mechanics so I was a bit conservative for my case--but you may be able to exaggerate more to get better protection.

Model files



chain_guard.3mf



chain_guard.f3d

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