



Gothic roman fat ball bird feeder



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updated 26. 11. 2023 | published 26. 11. 2023

Summary

Another simple fat ball feeder for mid-sized birds.

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Another simple fat ball feeder for mid-sized birds. Forgive me the historical crime of putting a roman roof on a gothic arch on an ionic column, but looks good IMO.

The thread works nicely for me but has to be aligned carefully before tightening.

Print Settings

Printer Brand:

Crealitiy

Printer:

Ender-3 S1 Pro

Rafts:

No

Supports:

No

Resolution:

0.32

Infill:

15%

Filament: PM Filament PLA+ Skin brown 479C

Notes:

Rather lower speed and acceleration, otherwise the roof strains the printer and it is prone to layer misalignment, at least on an Ender 3. The roof looks better with 3 perimeters than with 2, the bottom part is good with 2 perimeters.

The whole thing doesn't need any supports, but I recommend a little brim since the model is large and the first layer is complicated, but perhaps you have adhesion good enough.

I used 0.6 nozzle and temperature a little higher than I normally use (200 vs 190) and the line width of 110% (0.66mm) in order to make it strong.

Where I live, PLA is good for outdoor all year round, but if you live in warmer climate, use appropriate material.

The print took 10hrs for the roof and 6hrs for the bottom part, but you can probably push it a lot faster, even on Ender 3.

How I Designed This

I got the inspiration from <https://www.thingiverse.com/thing:1673557> for the thread usage and from <https://www.thingiverse.com/thing:4647060> for the needle. Then I got together some nice looking roman / gothic parts (see remixed from section) and played around in Tinkercad a little.

Category: Outdoor & Garden

Model files



bottom.stl



roof.stl

[Find source .stl files on Thingiverse.com](https://www.thingiverse.com)

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