



Squirrel Proof Bird Feeder



[VIEW IN BROWSER](#)

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Summary

Squirrel proof bird feeder



25.30 hrs



4 pcs



0.20 mm



0.40 mm



PET



249 g



Prusa
MK3/S/S+

[Household](#) > [Home Decor](#)

Tags: [bird](#) [birdfeeder](#) [birdhouse](#) [birds](#) [squirrel](#)
[squirrelproof](#)

5/26/23

- redesigned perch to install with a single screw
- created template to mark hole to remove material with a dremel
- added an installation brace which makes building the tube easier
- added a chamfer to the top for easier tube install

5/6/23 - Update: These have worked great! I've had these in our yard now for six months. Lots of birds visit. Some seeds to get knocked out and on to the ground. This is fine in that I get ground feeder birds and also squirrels to clean them up.

This is a squirrel resistant bird feeder that uses both 3d printed parts, a piece of polycarbonate roofing from Home Depot and some hardware.

How is this squirrel resistant? Jump to 5:20 in the video below or just click [here](#). :)

Assembly Video (6:20)

Hardware used:

(5) 10mm M4 screws

(12) 10mm M3 screws

(2) 25mm M3 screws

(6) M3 nylock nuts

(6) 12x3mm rare earth magnets

PETG filament

Polycarbonate roofing piece

Using an 18" tall piece of polycarbonate, this feeder will hold roughly 4 lbs of black oil sunflower seed.

All parts print without supports. PETG or ASA would work nicely to deal with sun exposure.

Default PETG slicer settings work except for two pieces. The small top cap wire mount piece and the three magnet holders got 5 perimeters.

Model files

bird_feeder_top_cap_wire_mount.stl



bird_feeder_top_cap.stl



bird_feeder_magnet_holder.stl





bird_feeder_bottom_insert.stl



bird_feeder_perch_hole_template.stl



bird_feeder_feeding_perch.stl



bird_feeder_tube_assembly_brace_outer.3mf



bird_feeder_tube_assembly_brace_inner.3mf

Print files



bird_feeder_magnet_holder_02mm_petg_mk3s_2h12m.gcode

⚙ PET ⚙ 0.40 mm ⚙ 0.20 mm ⌚ 2.20 hrs ⚖ 22 g 🖨 Prusa MK3/S/S+



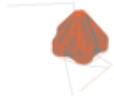
bird_feeder_top_cap_wire_mount_02mm_petg_mk3s_34m.gcode

⚙ PET ⚙ 0.40 mm ⚙ 0.20 mm ⌚ 0.56 hrs ⚖ 4 g 🖨 Prusa MK3/S/S+



bird_feeder_bottom_insert_02mm_petg_mk3s_8h14m.gcode

⚙ PET ⚙ 0.40 mm ⚙ 0.20 mm ⌚ 8.23 hrs ⚖ 81 g 🖨 Prusa MK3/S/S+



bird_feeder_top_cap_02mm_petg_mk3s_14h19m.gcode

PET 0.40 mm 0.20 mm 14.31 hrs 141 g Prusa MK3/S/S+

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