



Foodtoy for Cats (and others)



strshp

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Summary

Easily adjustable hole-size, prints without supports, cavity to place coins as bottom-weight to make it more challenging



1.22 hrs



1 pcs



0.20 mm



0.40 mm



PET



16 g



Prusa
MK3/S/S+

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This little ball can keep your little friends busy.

Just put in some snacks and they will release over time while your pets play with it. This way you are conditioning your pet that playing with the ball will give them a treat. You can optionally place **up to four 0.10€ coins in the bottom** of the ball to act as a weight so the hole always ends up on the top. This will challenge your little friend a lot.

The **design is optimised for 3D-printing** with no overhangs steeper than 55°. Print the ball upside down with the **hole on the print bed** -

strong first layer adhesion recommended! Note: The **default hole for snacks is 10mm in diameter** but can easily be changed with the provided modifier (see .3mf file).





I **highly recommend** to use the **.3mf file** and open it as a new project in your slicer (Prusaslicer) because i already added:

- **variable layerheight** which makes the surface of the ball very smooth
- **fuzzyskin** settings to give it a nice and grippy texture
- the **pause command** to place coins in the bottom
- a “**hole modifier**” to modify the size of the hole to fit your cats favorite snack (maximum of 16mm in diameter [just change x- and y-dimensions of the modifier])

For **non-europeans**: The cavity for coins has a diameter of 20mm and a height of 8.6mm - you will probably find some coins that fit in there.

I recommend printing with some adequately food safe material (I used clear PETG) and 4 Perimeters to prevent destruction by teeth. This way the toy is also very sturdy and easily handles drops from 2+ meters.

Model files



foodtoy.stl

📄 raw stl file



foodtoy.3mf

📄 Prusalicer file with all the beneficial settings already done!

Print files



foodtoy_02mm_petg_mk3s_1h13m.gcode

🌀 PET 📏 0.40 mm 📏 0.20 mm ⌚ 1.22 hrs ⚖️ 16 g 🖨️ Prusa MK3/S/S+

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