



Number tokens with stackable box



DangeMask

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updated 27. 7. 2021 | published 27. 7. 2021

Summary

Simple print tokens with numbers 1 to 30 with custom box, stackable using magnets.



4.50 hrs



2 pcs



0.25 mm



0.40 mm



PLA



61 g



Prusa MINI /
MINI+

[Toys & Games](#) > [Other Toys & Games](#)

Tags: [hexagon](#) [box](#) [magnet](#) [token](#) [number](#)

The tokens can be used for drawing question at exams (that was the design request) or as a game tool.

You can fit all 30 tokens together on Prusa MINI plate. And you can add color change to make them more readable.

The box has embeded holes for 4x1mm round magnets, so you can stack multiple boxes together. I used superglue for adding them. Just be sure to switch the polarity of neighbouring magnets so you can stack them.

I used simple grid:

N S

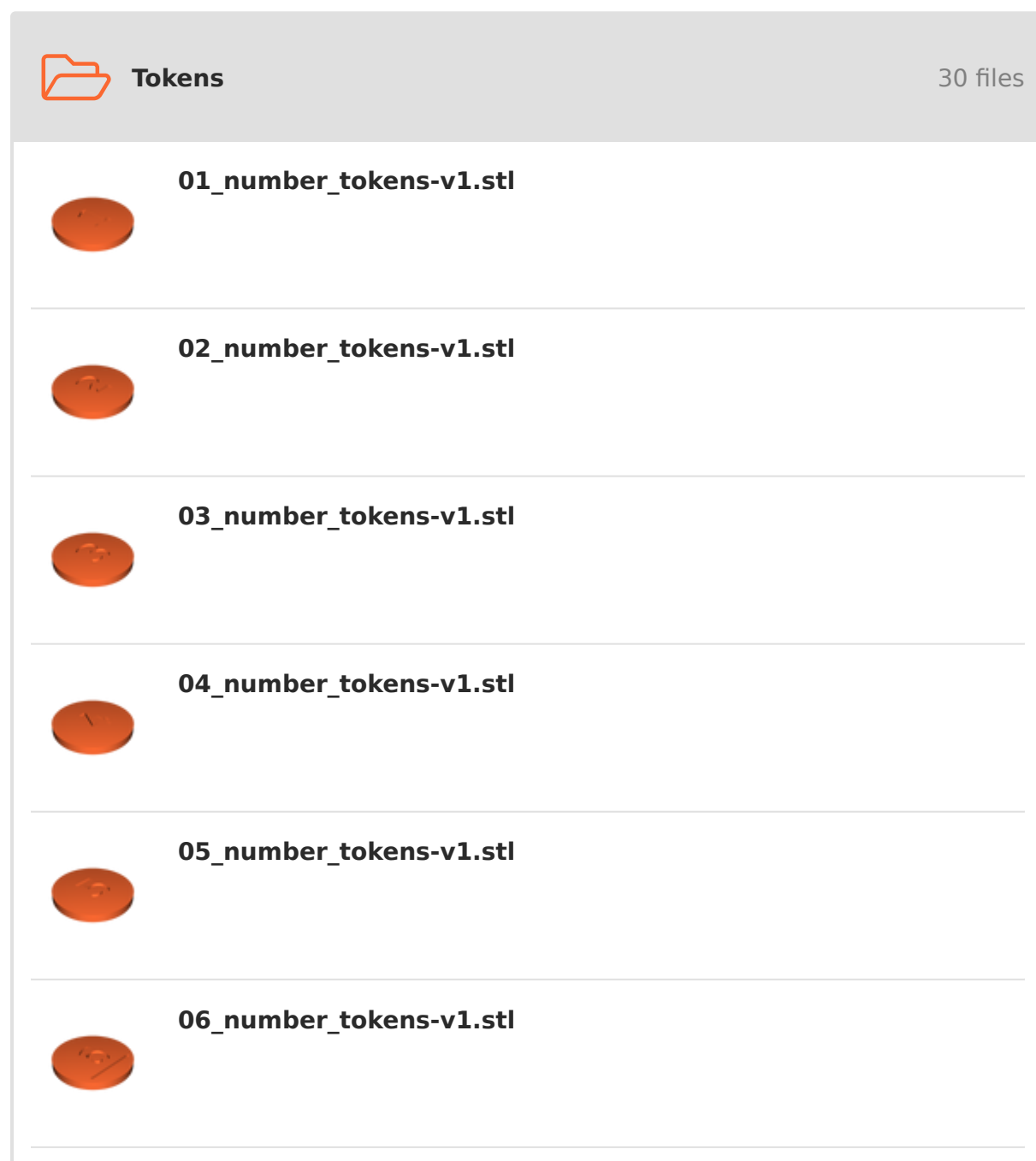
S N

To be sure you don't switch the úpolarities when gluing second box, just stack the magnets on first box and press them to the hole on second box for gluing.

If your printer is not calibrated and you end up having elephant foot on the tokens, they can get stuck inside the box. That is the reason for hole in the bottom, to get them out by finger or pencil.

I tested every token by dropping it a few times to the box and back. If it stuck, I used a little sanding to correct it and tried again.

Model files





07_number_tokens-v1.stl



08_number_tokens-v1.stl



09_number_tokens-v1.stl



10_number_tokens-v1.stl



11_number_tokens-v1.stl



12_number_tokens-v1.stl



13_number_tokens-v1.stl



14_number_tokens-v1.stl



15_number_tokens-v1.stl



16_number_tokens-v1.stl



17_number_tokens-v1.stl



18_number_tokens-v1.stl



19_number_tokens-v1.stl



20_number_tokens-v1.stl



21_number_tokens-v1.stl



22_number_tokens-v1.stl



23_number_tokens-v1.stl



24_number_tokens-v1.stl



25_number_tokens-v1.stl



26_number_tokens-v1.stl



27_number_tokens-v1.stl



28_number_tokens-v1.stl



29_number_tokens-v1.stl



30_number_tokens-v1.stl



box_main_body.stl



box_lid.stl



box.3mf



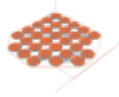
30_number_tokens.3mf

Print files



box_025mm_pla_mini_1h48m.gcode

🌀 PLA 📏 0.40 mm 📐 0.25 mm ⌚ 1.81 hrs ⚖️ 19 g 🖨️ Prusa MINI / MINI+



30_number_tokens_025mm_pla_mini_2h42m.gcode

🌀 PLA 📏 0.40 mm 📐 0.25 mm ⌚ 2.69 hrs ⚖️ 42 g 🖨️ Prusa MINI / MINI+

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