



Snappy Dodecahedron Box

 3D Printy

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Summary

A dodecahedron-shaped box with a snap on lid.

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Tags: [box](#) [dodecahedron](#) [sapon](#) [container](#)

This dodecahedron-shaped box with a snap on lid.

Printing

- Requires good tuning for a nice fit.
- No supports needed.
- Experiment with adding a slight fuzzy skin for a pleasant surface finish.
- You may get a faster lid print by increasing perimeter walls from 2 to 3 or 4.

Style Options

- **Plain** - Just the basics. Good for adding your own designs
- **Numbers** - Matches a 12-sided die. Not perfectly balanced, though.

Clearance options

- **Loose** - Easier to take off the lid... whether you want to or not.
- **Tight** - More secure. Lid requires a little prying to remove.
- **Impossibly Tight** - Do you have a hammer?

How to Close

Set lid on base and push all 5 lid corners down until they snap into place.

How to Open

Method 1

Hold base in one hand with thumb resting on the gap between the base and the lid. Using other hand, pull the lid open in a sweeping motion, like opening a clam shell.

Method 2

Squeeze the base so the latches disengage from the lid.

Method 3

For the “Impossibly Tight” version of this box, use tools to pry the lid off.

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Model files



Assembled

2 files



assembled-numbers.3mf



assembled-plain.3mf



Plain

4 files



base-plain.3mf



lid-plain-loose.3mf



lid-plain-tight.3mf



lid-plain-impossibly-tight.3mf



Number (Dice)

4 files



base-numbers.3mf



lid-numbers-loose.3mf



lid-numbers-tight.3mf



lid-numbers-impossibly-tight.3mf

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