



## Rollup Dice Box (Rumble Roller Deep Bins)

 **3D Printy**

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### Summary

A rollup dice box with six customizable trays. This Rumble Roller version has deep bins that can hold small figurines!

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

Tags: [organizer](#) [container](#) [dice](#)

A rollup dice box with six customizable trays.

This tread-like **Rumble Roller** version has deep bins that can hold small figurines!

### Other versions available

- [Small standard version](#)
- [Large standard version](#)
- [Dice Tower core](#)

<https://youtu.be/XRhIduj700M>

<https://youtu.be/qdFwMucYZew>

## Other Options

- Use “Short Tab” start bins if you want the container to be able to sit flat while vertical. Warning: this does make the box slightly more difficult to open.
- Use “Mix Tab” start bins if you want the container to be able to sit flat while vertical but still has a longer tab on top.
- Print one or more external trays, which you can use for dice management outside the box. Up to 3 empty trays can stack inside a plain bin.

## Printing

- Most standard PLA formulations are fine, but avoid brittle silk and matte PLAs.
- Print one start bin, one end bin, and four middle bins.
- All parts can be printed without supports.
- Add a brim if you experience curling issues on tight corners.
- Swap the filament color mid-print for a dual color effect.

## Assembly

- Glue eight 6x3mm magnets into the start and end bins. Make sure the magnets are oriented so that they pull the bins together.
- Use a scrap of unprinted 1.75mm filament to connect all six bins together.
- Align the top of the core with the bottom - make sure that the two ends are correctly rotated.
- Firmly press the core top into the core bottom. These parts are a very tight fit and may require a lot of force to close. To avoid damaging either part, apply pressure only near the center of the top and bottom.

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## Recommended Attribution Text

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## This remix is based on



### Rollup Dice Box (Small)

by 3D Printy



### Rollup Dice Box (Large)

by 3D Printy

## Model files



Demo

4 files



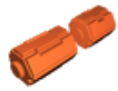
demo-assembled-open.3mf



demo-assembled-open.stl



demo-assembled-closed.3mf



**demo-assembled-closed.stl**



**Core**

8 files



**core-cap.3mf**



**core-cap.stl**



**core-top.3mf**



**core-top.stl**



**large-core-bottom.3mf**



**large-core-bottom.stl**



**small-core-bottom.3mf**

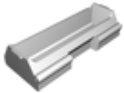


**small-core-bottom.stl**

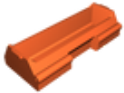


**Small Bins**

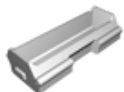
10 files



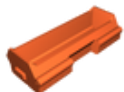
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**small-end-bin-deep.stl**



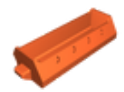
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**small-middle-bin-deep.stl**



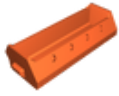
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**small-start-bin-deep-long-tabs.stl**



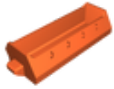
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**small-start-bin-deep-short-tabs.stl**



**small-start-bin-deep-mix-tabs.3mf**



**small-start-bin-deep-mix-tabs.stl**

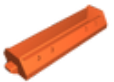


## **Large Bins**

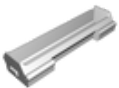
10 files



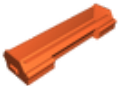
**large-start-bin-deep.3mf**



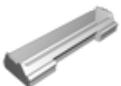
**large-start-bin-deep.stl**



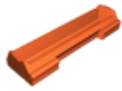
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**large-middle-bin-deep.stl**



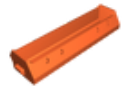
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**large-end-bin-deep-long-tabs.stl**



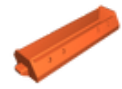
**large-start-bin-deep-short-tabs.3mf**



**large-start-bin-deep-short-tabs.stl**



**large-start-bin-deep-mix-tabs.3mf**



**large-start-bin-deep-mix-tabs.stl**



## Optional External Trays

8 files



**large-tray.3mf**



**large-tray.stl**



**large-tray-alternate.3mf**



**large-tray-alternate.stl**



**small-tray.3mf**



**small-tray.stl**



**small-tray-alternate.3mf**



**small-tray-alternate.stl**



**Templates**

1 file

**template.step**

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