



## Collapsing Dice Tower



3D Printing World

[VIEW IN BROWSER](#)

updated 20. 8. 2023 | published 20. 8. 2023

### Summary

Not only does this dice tower collapse and lock in place but there is also a compartment for storing your dice.

---

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

---

This dice tower prints-in-place in the retracted position with no supports. After printing it extends to three times its original height. The drawbridge opens to allow the dice through, but a detent keeps it closed when traveling. The funnel on top and the angle on the bottom mixes the die and makes sure they exit the tower every roll. There is a button on the bottom that locks the tower in position so it won't accidentally extended when you don't want it to. There is compartment on the bottom for storing dies with a built in catch on the lid.

It is designed to be printed with a .4mm nozzle. The walls are four shells thick, two shells are used for the brick inlay.

Note: if your tower does not extend all the way, pull it apart until you have the desired extension and leave it for a day or two. The plastic will eventually "creep" and you will eventually get the perfect fit.

# Model files



collapsing-dice-tower.stl

## License



This work is licensed under a  
[Creative Commons \(4.0 International License\)](#)

**Attribution—Noncommercial—No Derivatives**

- 
- ✖ | Sharing without ATTRIBUTION
  - ✖ | Remix Culture allowed
  - ✖ | Commercial Use
  - ✖ | Free Cultural Works
  - ✖ | Meets Open Definition