



Puzzle Box || Easy to Print, Hard to Solve

T TOASTYMO

VIEW IN BROWSER

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Summary

This is deceptively hard 8 piece durable puzzle box designed to be difficult to solve and simple to print.



21.50 hrs



2 pcs



0.10 mm
0.20 mm



0.40 mm



PLA



136 g



Creality
Ender-3

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This is deceptively hard 8 piece durable puzzle box designed to be difficult to solve and simple to print. Any rigid material should work. However 2, 5mmX1mm circular MAGNETS ARE NEEDED. Other than that and a little glue it's ready to use.

Solution Doc: https://docs.google.com/document/d/11TWn7Yn_QxWaf50aLglgGJPL3z8XK_9ROjsNNbvNaeA/edit?usp=sharing

Assembly Doc:

https://docs.google.com/document/d/13o3Hh5U_xB5pTbLi-vC5_sU6rIM-RR5X-aPmcLlhfmY/edit?usp=sharing

Print instructions

I printed all the small pieces (all but the shell and box) at .1mm layer height and the other 2 at .2mm for the sake of saving time and it worked great.

I also used PLA since nothing else harder to use is needed

Model files



outer-shell.stl



box.stl



outer-side-1.stl



outer-side-2.stl



bar.stl



lid.stl



inner-side-1.stl



inner-side-2.stl

Print files



pb-all-but-box-and-shell.gcode

🌀 PLA 🌀 0.40 mm ≡ 0.10 mm ⌚ 11.00 hrs ⚖️ 48 g



pb-box-and-shell.gcode

🌀 PLA 🌀 0.40 mm ≡ 0.20 mm ⌚ 10.50 hrs ⚖️ 88 g

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