



Plain Nozzle Box (print-in-place, MK8/V6/Volcano)

 reemo

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Summary

A taller version of the remixed nozzle box so it fits MK8 and Volcano nozzles. Prints in place

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Tags: [box](#) [case](#) [nozzle](#) [v6](#) [volcano](#) [printinplace](#) [mk8](#)

This is a remix of the original nozzlebox with options that fit Volcano and MK8 nozzles. Like the original, it prints in place and is locked by a magnet (6x2mm!) and an M3x6 (or smaller) screw. It doesn't come with any markings so that one can just add a sheet of paper (of which I attached a paper with the exact dimensions for a print-out)

The contraption is printed at an angle so that even dirty nozzles should fit – the bottom of the contraption is ~7mm apart while the top is ~6mm.

Thank you very much [@dodasch](#) for the original. It's been a very interesting journey trying to recreate this neat design.

[The Onshape Document contains both versions](#), the box parameters can be changed easily, the tolerances and angles will probably be a bit trickier.

Printing

- 0.2mm layer height
- Well tuned flow (maybe lessen the outer-wall flow) so the hinge and the ball print properly

Assembly

- Press the 6x2mm magnets into the holes on the bottom part
- Screw the M3x6mm countersunk screws into the base of the top part

Warning

- I didn't print the standard version, but reduced the height of the contraption and the box compared to the volcano box.
- I didn't have 5x2mm magnets, so this version uses **6x2mm** magnets. I can provide a 5x2mm version if there's demand for that.

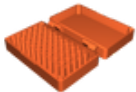
This remix is based on



Nozzle Box

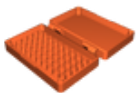
by dodasch

Model files



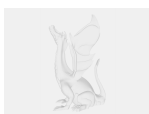
volcano_nozzle_box.stl

☐ Height of the contraption: 17mm, 26mm total inner height (13mm per side)



standard-nozzle-box.stl

☐ Height of the contraption: 8mm, 20mm total inner height (10mm per side)



standard_nozzle_box.step



volcano_nozzle_box.step

Other files



bottom_case_drawing_blank.pdf



bottom_case_drawing_with_outline.pdf

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