

Plateau - step file constructors



James

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Summary

I wanted to make some plateau pieces with a longer reach on the outlet. It's grown from there really.

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

Tags: [desktop](#) [modular](#) [fountain](#) [desktoy](#) [stepfile](#)
[plateau](#) [desktopfountain](#)

I decided to make them in two variants:

1. Narrow outlet
2. Wide outlet

I also thought it would be handy to make them as separate segments, this means you can place outlets on whichever side of the hexagon you like, and mix and match wide/narrow by rotating the components within an assembly. Then export the assembly as an STL for printing.

The step files attached are:

1. Plain segment
2. Narrow outlet segment
3. Wide outlet segment
4. Plain - double back segment

5. Wide - double back segment
6. Decline 3mm hole rain plateau segment (added 1 degree decline towards holes)
7. Flat 3mm hole rain plateau segment
8. Flat 2mm hole plateau segment

I have also attached some example STL's built using the segments.

Printed with:

- No supports
- 0.2mm layer height
- 10% gyroid infill

Welcome all feedback, please be gentle :)

Thanks again to [@3DPrinty](#) for the awesome project, and the community for their [remixes](#)

The [spreadsheet](#) by [@Ronin0000](#) is also a real bonus to the project.

EDIT:

After a request, I have also added constructor parts to create similar parts to [Double-back plateau](#) by [@RedstoneFusio_215125](#) and [Rain plateau](#) by [@ThomasDecord_1513703](#)

This remix is based on



Step Fountain Double Back

by Redstone Fusion



Modular Desktop Fountain

by 3D Printy



Modular Desktop Fountain plateau multiple flows/rain fountain.

by Thomas Decordier

Model files



Narrow outlet

1 file

newplatnarrow-v2.step

☐ Narrow mouth



Wide outlet

3 files



plat_tri-v1.stl

☐ 3 outlet example

plat_tri-v1.step

☐ Example

newplat-v6.step

☐ Original width mouth



Plain segment

1 file

section-v3.step

☐ Plain section



Double-back

4 files



plat_tri_dbl_bk.stl

☐ 3 outlet double-back example

plat_tri_dbl_bk.step

📄 3 outlet double-back example

section_dbl_bk.step

📄 Example

newplat_dbl_bk.step

📄 Example



Rain Plateau (decline)

3 files



decline_rain_3mm_full-v2.stl

📄 Decline 3mm hole rain plateau example

decline_rain_3mm_full.step

📄 Decline 3mm hole rain plateau example

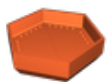
decline_rain_section_3mm.step

📄 Decline 3mm hole rain plateau segment



Rain Plateau (flat)

5 files



flat_rain_3mm_full-v1.stl

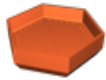
📄 Flat 3mm hole rain plateau example

flat_rain_3mm_full-v1.step

📄 Flat 3mm hole rain plateau example

flat_rain_section_3mm-v2.step

📄 Flat 3mm hole rain plateau segment



flat_rain_2mm_full-v1.stl

Flat 2mm hole rain plateau example

flat_rain_section_2mm-v1.step

Flat 2mm hole rain plateau segment

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