



Modular Bathroom Shelf (OpenSCAD)

 r33m0

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Summary

A modular make-your-own-configuration bathroom shelf for interdental brushes and sonicare toothbrush heads

[Household](#) > [Bathroom](#)

Tags: [interdental](#) [toothbrush](#) [tepe](#) [shelf](#) [sonicare](#)

This bathroom shelf comes in a few simple configurations for a two-person household, but you can also generate your own to accommodate any number of toothbrush heads, interdental brushes, lash combs etc. using the massively overengineered and amateurish OpenSCAD script I provided.

If the design is too large, you can split it up in two or more pieces connected by a joint.

Print Settings

No special print settings necessary, I tried keeping the layer height not too high (~0.24mm) so that the fillets look and feel nice, but it worked out quite alright with a .6mm nozzle.

Script Remarks

The most relevant part of the scripts are the configuration variables at the top and whatever you specify to go in the `render_modules([...])` call. You should be able to adjust the variables slightly to your needs, but some values in the modules are hardcoded and won't scale well with different values (e.g. like depth).

`render_modules` is clever in the worst way possible:

- The only parameter is **a list** of either:
 - **A string** for the module you want to render
 - **A list of strings** for multiple modules that should be rendered atop each other (e.g. `render_modules(["philips_sonicare", "tepe_interdental_short_back"])`; will render a sonicare holder and behind that a tepe_interdental holder
 - **A list of list of strings** for a module that should be aligned in a special way, e.g. `render_modules([["philips_sonicare", ["connector_left", "right"]])`; will render a philips_sonicare holder, and a right aligned connector for the left side of a two-object print

To get a model that can be printed as two pieces, insert connectors and between them add a `empty_long`, which will render a 20mm blank space between the connectors, e.g.

```
render_modules([ "philips_sonicare", ["connector_left", "right"],  
"empty_long", ["connector_right", "left"], "philips_sonicare", ]);
```

Model files



most_holders.stl



elaborate_example.stl



only_tepe_interdental.stl



only_sonicare.stl



only_tepe_angle.stl



bathroom_utilities_shelf.scad

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