



Customizable Round Rod Hooks - S-Hooks and 3-Hooks



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Summary

This is a simple customizer for creating S-shaped or 3-shaped hooks.

[Household](#) > [Other House Equipment](#)

Tags: [hook](#) [customizable](#) [openscad](#) [thingiverse](#)

Customizable Round Rod Hook - S-hook and 3-hook

This is a simple customizer for creating S-shaped or 3-shaped hooks. They are a flat-sided design for easy 3D printing with filleted (rounded) edges to give them a high quality look and feel.

I have created the customizer so that all parameters defining the shape and size are easily settable to make hooks for any purpose and attaching anywhere... towel rods, shower curtain rods, clothes closet rods, curtain rods, door knobs, bicycle frames, etc.

I originally created it to make a 3-shaped hook strong enough to hold a wet bath towel that would snap onto my towel bar and would stay firmly attached unless force was applied to snap it off. This was accomplished by matching the inner diameter of the hook to the diameter of the towel bar

and making the opening 120° so that it was about 85% of the diameter. The second picture shows those hooks.

Running the Customizer

This download includes a .SCAD file to create customized 3D printable models. By setting some simple parameters from drop-down boxes and sliders you can easily create your own customized model.

You will have to first install OpenSCAD (free software) on your own computer to process the .SCAD file and present the customizer parameters. [Download OpenSCAD](#) and get started. For further details on running the customizer see DrLex's instructions on [How to Run Customizer on Your Own Computer](#).

Alternative to Installing OpenSCAD on Your Computer

This model is also [published on the Thingiverse web site](#) and the Thingiverse online customizer may be used to create your personalized models.

Beware that the Thingiverse web site has been an unstable disaster since March 2020 and they weren't even processing their customizer jobs for over 2 years (July 10, 2020 to August 4, 2022). If you try to use it and your job is still sitting in the queue after several minutes, that probably means they stopped creating the customizer models again and your job is never going to be processed. It might be only a temporary stoppage so you could hope for the best and try again later.

This remix is based on



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by Lyl3

Model files



roundrodhook-v1-3-hook-20-20-5-15-120-90-1.stl



roundrodhook-v1-s-hook-25-25-10-10-90-75-3.stl



roundrodhook-v10.scad

[Find source .stl files on Thingiverse.com](#)

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