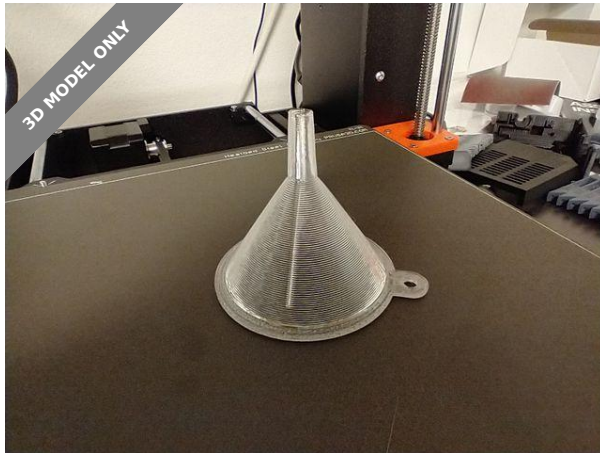




Parametric Funnel Redux



herr_brain

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Summary

Tomaae's parametric funnel with expanded parameters and vase mode optimizations

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This is an improved version of [Tomaae](#)'s parametric funnel with additional parameters and the ability to enable/disable “optional” features. It also includes support for a tapered tube section. The table below contains a complete list of parameters.

Parameter	Variable Name	Default
Total Height	Height	60mm
Tube Height	Tube_Height	20mm
Funnel Diameter	Top_Outside_Diameter	60mm
Tube Diameter	Tube_Outside_Diameter	10mm
Tube Taper Angle	Tube_Taper	2.5°
Tube Tip Angle	Tube_Cut_Angle	30°
Wall Thickness	Wall_Thickness	1mm
Hanging Ring	Hanging_Ring	true
Vent Ridge	Ridge	true

Parameter	Variable Name	Default
Ridge Thickness	Ridge_Thickness	1.5

Due to the parametric nature of this design and the heavily customized print settings I used, an STL was not included. I encourage users to use export their own STL from OpenSCAD and load it into my 3MF file. I used a 0.8mm nozzle to improve print speed.

2022-07-24 Update: add ridge thickness parameter to improve vase mode printing quality. Update sample 3mf to support vase mode “out of the box”.

This remix is based on



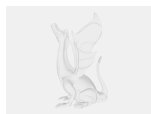
Parametric funnel

by Tomaae

Model files



parametric_funnel.3mf



parametric_funnel.scad

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