



Parametric Pipe Adapter (OpenSCAD)



Daniel

[VIEW IN BROWSER](#)

updated 12. 4. 2022 | published 12. 2. 2022

Summary

You can use this to make an adapter to join two pipes together. You can define many parameters so it is easy to get...

[Hobby & Makers](#) > [Other Ideas](#)

Tags: [pipe](#) [cylinder](#) [adapter](#) [tube](#) [connectors](#) [connector](#) [hose](#) [converter](#) [tubes](#) [adapters](#) [pipes](#) [hoses](#) [converters](#)

You can use this to make an adapter to join two pipes together. You can define many parameters so it is easy to get right:

// Basic Parameters

First_pipe_outer_diameter = 30;

First_pipe_inner_diameter = 28;

Second_pipe_outer_diameter = 25;

Second_pipe_inner_diameter = 20;

// Advanced Parameters

Minimum_wall_thickness = 2; // The minimum thickness wall your printer can do.

Printer_x_y_tolerance = 0.00; // Tolerance space on either side for the tube

Extra_inner_length = 5; // Distance the inside of the tube adapter extends so you can tie something around the pipe to keep it on.

Separation = 0; // Zero means twice the minimum width

Quality = 5; // Proportional to the overall diameter of the object.

Category: Parts

Model files



parametric_pipe_adapter.scad



parametric_pipe_adapter_example.stl

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

License ©

This work is licensed under a

Creative Commons (4.0 International License)



Attribution-NonCommercial

-
- ✗ | Sharing without ATTRIBUTION
 - ✓ | Remix Culture allowed
 - ✗ | Commercial Use
 - ✗ | Free Cultural Works
 - ✗ | Meets Open Definition

