

Cup Holder Resizing Ring

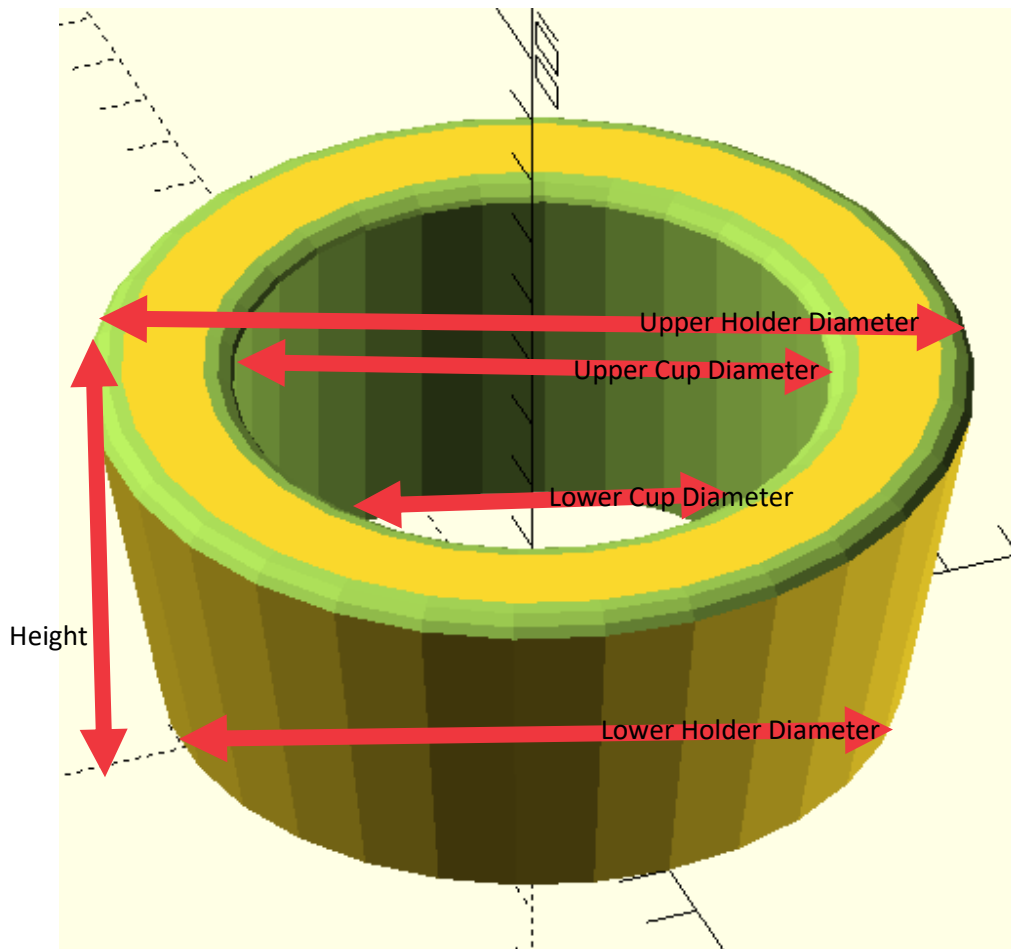
3D PRINTING GUIDE

3D Printing Summary

Metrics	*Configuration 1*
Total Print Time (min)	Dependent on STL dimensions
Total Number of Components	1
Typical Total Mass (g)	100
Typical Number of Print Setups	1

Specifications

Input the desired dimensions into OpenSCAD based on the cup and cup holder dimensions. Note that there are four radii and one height measurement. When measuring the radius, ensure the cup measurements line up with the height on the cup that should sit in the cup holder.



Cup Holder	Lower Diameter [mm]	Upper Diameter [mm]	Height [mm]
Cup Holder for Walker	78	81	64
Swivel Wheelchair Cup Holder	74	74	85
Universal Travel Coffee Gimbal	78	84	24

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3D Printing Settings

Print File Name	Qty	Total Print Time (hr:min)	Mass (g)	Infill (%)	Support	Layer Height/ Nozzle Diameter(mm)	Notes
Cup_Ring_v0.2.stl	1	Dependent on STL dimensions. Likely 1 hour minimum	Dependent on STL dimensions.	5	N	0.2/0.4	Print in given orientation.

Post-Processing

- Clean any stringing or filament strands from the print.

Customization Options

- Ask the user if they have any colour preferences.
- Ask the user for the required dimensions to customize the STL appropriately to fit both their cup holder and beverage container.

Examples of Quality Prints:

Photos of Component 1:

