



Mülltonne / Wheelie Bin



vmLOGIC

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updated 21. 7. 2025 | published 21. 7. 2025

Summary

Wheelie bin with hinged lid and movable wheels

[Tabletop Miniatures](#) > [Miniature Gaming Accessories](#)

Tags: [printinplace](#) [trashcan](#) [trashbin](#) [pip](#) [muellabfuhr](#)
[muelltonne](#) [wheeliebin](#)

The wheelie bin has a working lid that opens and closes smoothly. The two wheels are fully functional and can rotate around their axle.

The wheels, including their axles, are printed together with the bin (print-in-place) to simplify assembly and improve the model's stability.

Dimensions (x, y, z): 88 x 77 x 158 mm

Printing information

The STL files are correctly aligned.

The design is not suitable for scaling. The dimensions, layer height and perimeter must remain unchanged. I've printed the model several times with PLA and a 0.4 mm nozzle using the parameters below. The wheels may need a bit of post-processing after printing.

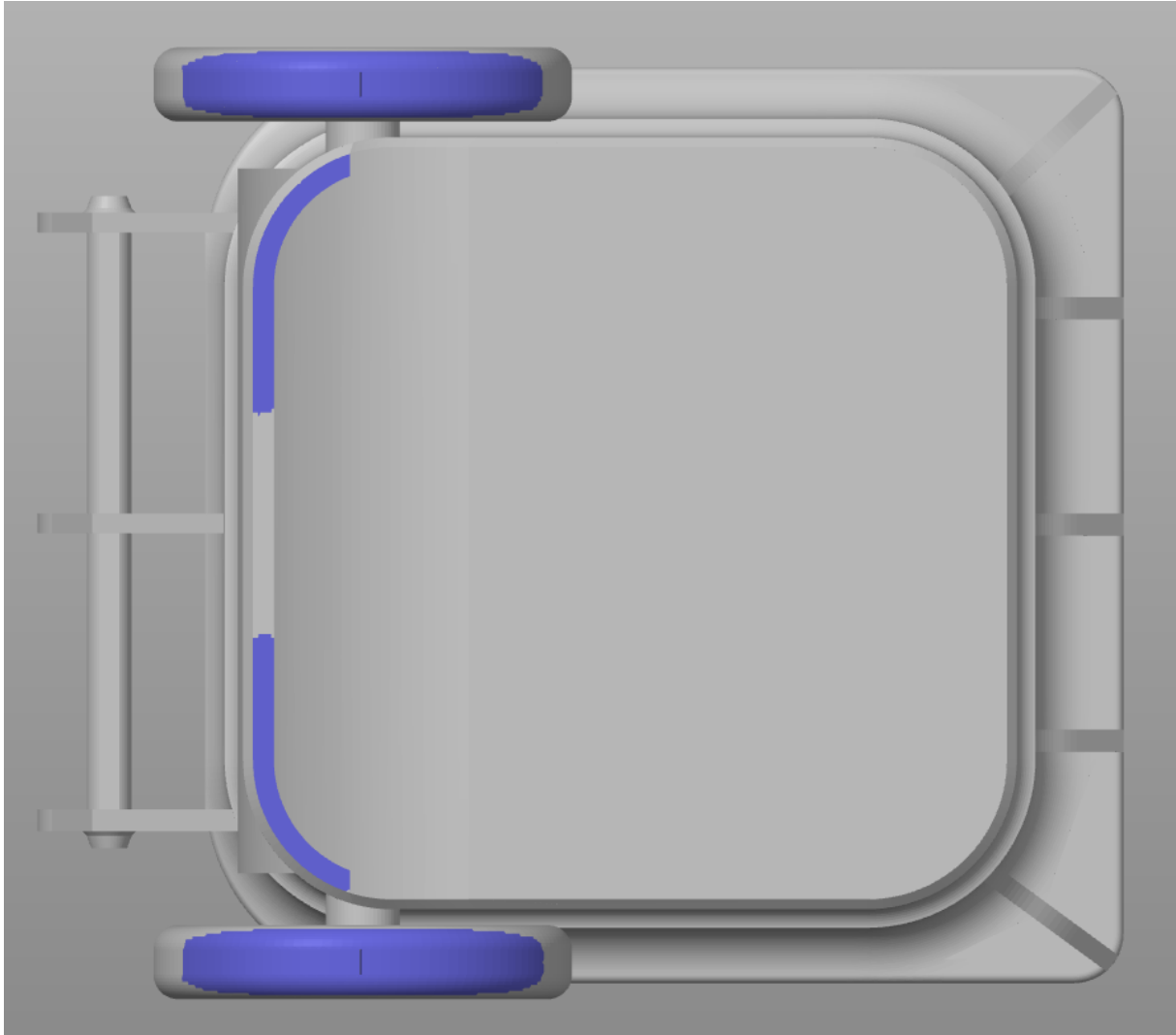
Layer height: 0.2mm

Perimeter: 3

Infill: 10%

Brim: yes for bin

Support: The bin requires minimal support, as illustrated in the image below.



Print-in-place wheels and axles are part of the bin. Due to their small contact area, they may detach during the first layers, even with brim and support. To improve adhesion, reduce perimeter and external perimeter speeds to 45 mm/s for the first 10 layers.

I am looking forward to your Makes! :-)

If you like this design, feel free to check out my others [here](#).

This remix is based on



Mülltonne, Biotonne, Restmüll 80l Maßstab 1:6, 1:12, LEGO, Spurweite H0, Trashbin, Trash can, Garbage bin, Waste container, Rubbish bin, Dumpster, Refuse bin, Garbage, receptacle, Litter bin, Dustbin, Waste bin

by JAV3D

Model files



bin.stl



lid.stl

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