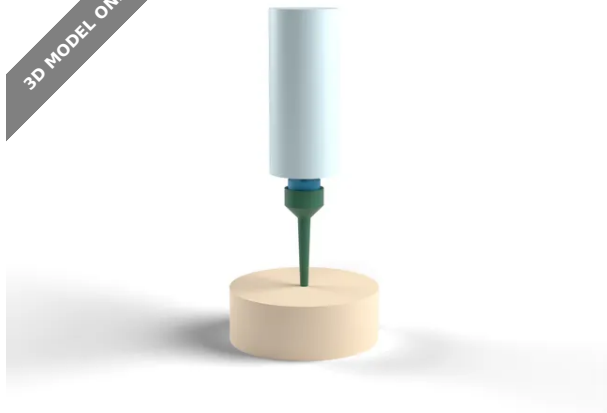


3D MODEL ONLY



Bottle Watering Spike - Self Watering Plant Spike for Drinks Bottles, No Supports (OpenSCAD)



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[VIEW IN BROWSER](#)

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Summary

Keep plants watered while you're away: push a drinks bottle's cap into the spike's ribbed cup and stick it in the soil.

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Keep your plants watered while you're on holiday. Poke two or three small holes in a drinks bottle's cap (a hot needle works), fill the bottle, screw the cap back on, push the cap into the spike's ribbed cup and stick the spike in the soil. Water drips slowly through the cap, down the hollow spike and out of the holes near the tip.

WHY NO THREAD?

It uses the bottle's own cap, so there's no thread to get wrong: twelve flexible ribs grip any cap close to the size you set. The default is 30 mm, which suits standard UK/EU 28 mm soda bottles; measure yours and change it in the Customizer.

DETAILS

- 143 mm long (110 mm spike).
- Prints with no supports, spike pointing up: the cup's ceiling is a 45-degree funnel, the spike tapers in and the drip holes are teardrops.
- Bambu Studio: 1 h 15, 11 g. PETG lasts longer outdoors.

CUSTOMIZE (OpenSCAD)

Cap diameter, spike length, rib grip and number of drip holes.

Designed with AI assistance (OpenSCAD). Rendered images; not printed yet. Test the drip rate: more or bigger cap holes = faster.

Model files



bottle-watering-spike.scad



bottle-watering-spike.stl



bottle-watering-spike_h2c.3mf

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