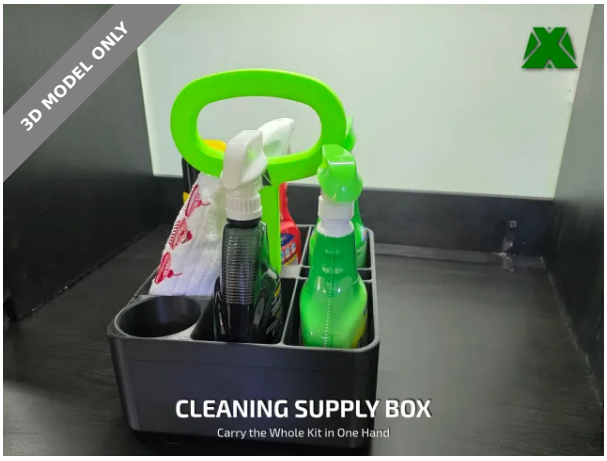


Cleaning Supply Box

MakerX

VIEW IN BROWSER

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Summary

Under-sink cleaning caddy with nine sized pockets and a pinned loop handle. Box, handle and pin print in PET-G.

Household > Other House Equipment

Tags: kitchen bottle box organizer functional holder print handle household storage supply bathroom cleaning sink petg spray caddy under carry tote makerx

Cleaning Supply Box — Under-Sink Caddy with a Pinned Loop Handle

Cleaning supplies under the sink tip over, roll to the back and never come out together. This box holds the whole kit upright in sized pockets and carries it room to room in one hand. I designed the pockets around the bottles and cans I actually use, then printed it in PET-G so it shrugs off drips and spills.

WHAT MAKES IT WORK

▸ Nine Sized Pockets — Four tall pockets for full-size trigger spray bottles, a round pocket for a cleanser can, two round pockets for aerosol cans, a rectangular pocket, and a small center pocket.

▸ Roomy Loop Handle — A big oval opening (131.6 x 61mm) with rounded inner edges, so a full hand fits and a heavy load doesn't dig in.

▸ Pinned, Not Glued — The handle's stem slides into a slot in the box and one printed pin locks it in. No hardware, no glue.

▸ PET-G Throughout — Holds up to cleaning sprays and drips better than PLA.

HOW TO ASSEMBLE

▸ Slide the handle's stem down into the center slot until its hole lines up with the hole in the box wall.

▸ Find the pin's seam - a faint straight ridge down one side. Turn that ridge UP, into the pointed top of the teardrop-shaped hole.

▸ Press the pin through the box wall and the handle. It slides through the box and is a snug press fit in the handle.

▸ Too tight? Scale the pin to 99.5% or sand it lightly. If the handle won't slide into its slot, scale the handle's width to 99%.

PRINT SETTINGS

Two plates, both pre-configured in the 3MF files. No supports.

▸ Box: 16 h 17 m, 862 g, 280 m of filament

▸ Handle + pin: 3 h 00 m, 137 g, 45 m of filament

▸ Total: 19 h 17 m and about 1 kg of PET-G

0.20mm layer height · PET-G · 250 °C nozzle · 70 °C bed · 0.4mm nozzle · gyroid infill · back seam

Box: 2 walls · 8% infill · 4/3 top and bottom · 5mm outer brim

Handle: 3 walls · 15% infill · 5/5 top and bottom · Pin: 4 walls · 100% infill

The box is 320 x 261mm, so it needs a large-format printer (the 5mm brim adds 10mm each way).

THE NUMBERS

▸ Box: 319.3 x 260.5 x 120.65mm

▸ Handle: 307.3mm tall, 182.4mm wide

▸ Tall pockets: 82.55 x 137.16mm · Cleanser pocket: 79.4mm round · Aerosol pockets: 63.5mm round

▸ Parts: box, handle, pin

Happy printing!

Model files



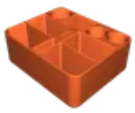
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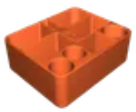
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cleaning-supply-box.3mf

Other files



makerx-cleaning-supply-box-instructions.pdf

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