



## Shower Wall Organizers



Isaac

[VIEW IN BROWSER](#)

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### Summary

These shower wall mount organizers are designed to hold a variety of common shower accessories while providing drainage.



N/A



4 pcs



0.20 mm



0.40 mm



PLA



N/A



Prusa  
MK3/S/S+

[Household](#) > [Bathroom](#)

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### Shower Wall Organizers

These shower wall organizers are a set of functional prints designed to be wall-mounted in a shower to hold a variety of items such as shampoos, conditioners, loofahs, body washes, and shaving accessories as well as

things like spray bottles and cleaners. All of them have built-in drainage to minimize drying time and help prevent things like mold and soapy build-up. The current version has these four parts:

- Basket Holder - this holder is shaped like a rectangular prism with a fun partially-opened design on three sides and is suitable for holding items with approximately rectangular bases like shampoos, conditioners, body washes, and cleaners such as Windex
- Loofah Holder - this is a hook designed to protrude from the wall enough to hold a large loofah (which is expected to come with its own loop for hanging) without letting it contact the wall
- Cylindrical Holder - this holder has a cylindrical shape and is designed to hold larger items with cylindrical bases such as spray bottles and similar cleaners or even collections of smaller items such as shaving accessories
- Double Cylindrical Holder - this holder has a pair of narrower cylinders and is designed to hold items with narrow cylindrical features such as squeegees and brushes

## Key Dimensions

- Basket Holder dimensions: 209.32 mm width by 70.28 mm depth
- Loofah Holder dimensions: the hook sits 124.415 mm away from the wall
- Cylindrical Holder dimensions: 95.20 mm maximum diameter
- Double Cylindrical Holder dimensions: 35.60 mm maximum diameter

## Non-Print Materials Required

These parts are all designed to be mounted with **3M Command Large Picture Hanging Strips (16 lbs)** with these configurations:

- Loofah Holder - one strip on the back with the bottom of the adhesive flush with the bottom of the back
- Cylindrical and Double Cylindrical Holders - two strips side-by-side on the back with the bottom of the adhesive flush with the bottom of the back
- Basket Holder - a total of four strips: two oriented vertically on the far left and right edges of the back with the bottom of the adhesive flush with the bottom of the back, plus two oriented horizontally along the top edge of the back

I cleaned the shower wall with 91% isopropyl alcohol before mounting and I gave it at least 10 minutes to fully dry.

## Printing Advice

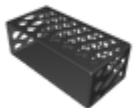
I printed these with 4 perimeters, 7 top solid layers, 5 bottom solid layers, 15% rectilinear infill combined every 2 layers on top of the default 0.20 mm Quality preset. These parameters were guided by experience and where I felt strength was merited as well as [Prusa's investigations into watertight printing](#). I used regular PLA and after the print I briefly blasted the prints with a heat gun. Make sure not to have overly-high speed on the first layer since that is where the drainage holes are which are fine-detailed features – this is part of why I went with the Quality preset instead of Speed.

In terms of print orientation, except for the Loofah Holder all of these are designed to be printed in the orientation they will be used in, i.e. with the holder base including drainage holes as the first layer. The Loofah Holder should be printed on its back.

## Design Process

I wrote up the design thought process at <https://www.household3d.com/projects/2022-08-10/functional-3d-printed-shower-wall-organizers/>

## Model files



**basket-holder.3mf**



**loofah-holder.3mf**

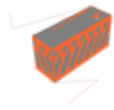


**cylindrical-holder.3mf**



**dual-cylindrical-holder.3mf**

# Print files



## basket-holder.gcode

🌀 PLA 📏 0.40 mm 📏 0.20 mm ⌚ 20.80 hrs ⚖️ 189 g 🖨️ Prusa MK3/S/S+



## loofah-holder.gcode

🌀 PLA 📏 0.40 mm 📏 0.20 mm ⌚ 1.91 hrs ⚖️ 28 g 🖨️ Prusa MK3/S/S+



## cylindrical-holder.gcode

🌀 PLA 📏 0.40 mm 📏 0.20 mm ⌚ 6.56 hrs ⚖️ 95 g 🖨️ Prusa MK3/S/S+



## dual-cylindrical-holder.gcode

🌀 PLA 📏 0.40 mm 📏 0.20 mm ⌚ 7.85 hrs ⚖️ 121 g 🖨️ Prusa MK3/S/S+

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