



Adapter Gardena watertap for Roto rain barrel

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updated 5. 8. 2024 | published 5. 8. 2024

Summary

Adapter for Roto rain barrels to fit standard water tap and a Gardena adapter.

[Household](#) > [Outdoor & Garden](#)

In 2019 I bought a plastic rain barrel from Roto (320 liter). Though it is made from plastic it looks quite natural and authentic, good quality and fits for it's purpose.

A big issue for me however was the supplied plastic water tap. It was too close to the barrel, so filling my watering cans didn't go smooth. And the main issue for me, due to the not standard thread on the barrel for the water tap ($\pm 26,44$ mm), you cannot go to a DIY store and find a water tap that has this thread and an outlet to fit the Gardena connection system. On the picture you can see the difference between the standard Roto tap and the one I have installed using the adapter.

So in the end I designed an adapter that fits a (metal) water tap of your liking, with a standard 1/2 inch (or "1/2 duims" in Dutch) thread. On this water tap you can then attach a Gardena hose connector.

I made several designs. The first ones were made of one piece. That didn't go well as they all broke at the base of the thread that goes in the barrel. So made two parts. If you like you can glue the two pieces for more rigidity but I didn't. I printed the parts from ASA because it is in the open all year

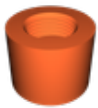
(UV). Used it now for about 4 years without any problems (half of the day in direct sunlight).

Beside the printed parts you need some rubber washers (tap inside and barrel outside), to prevent leakage. I used 2 washers on the barrel side for a proper vertical alignment of the tap.

Hope this helps someone with the same problem. Let me know if you have any questions about this.

Happy building and gardening.

Model files



basis-verloop-v2.stl



roto-thread-v1.stl

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