



## 3d printed watch

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### Summary

Simple to print quartz watch.

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Simple small 3d printed watch using a Miyota 2035 movement. I have used it for one year now and it seems to be pretty strong the only problem is that it isn't waterproof at all. You can put any standart 20mm wide watchband on this watch. You will also need a watch crystal with a diameter of 31mm and some watch hands and a stem and crown.

Short guide to making this watch.

First print the bottom and top case parts.

With the top you you will have to stop the print shortly before it starts to print the upper ring and put a watch crystal with a diameter of 31mm in there. After that it will print a lip around it which will hold it in place.

Now put the movment into the lower part and push the crown stem in from the side. You now probably need to shorten it. To that you will find some good tutorials on youtube. After you have shortened it screw the crown onto it.

After that print out the watchface on paper and cut it out around the edge. You will also need to punch a hole into the center of it.

Stick the watchface onto the lower part of the case with some thin double sided tape. This should now also keep the movement in place.

Now set the hands onto the movement and make sure they don't collide with another. To that you will also find tutorials on youtube.

When everything is in place on the bottom case push it into the upper case.

Now just add your straps and you are done.

I am really sorry that i can't give any links for my parts sources, but its been a year since i have built the watch and most of the i can't find anymore.

## Model files



**case\_bottom.3mf**



**case\_top.3mf**

## Other files



**watchface.svg**

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