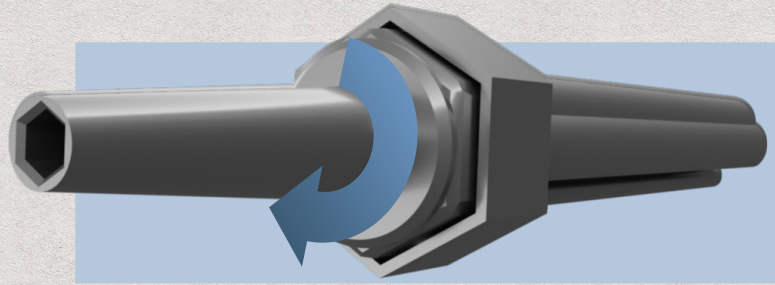


# Custom DIY Ratchet Screw Driver Handle

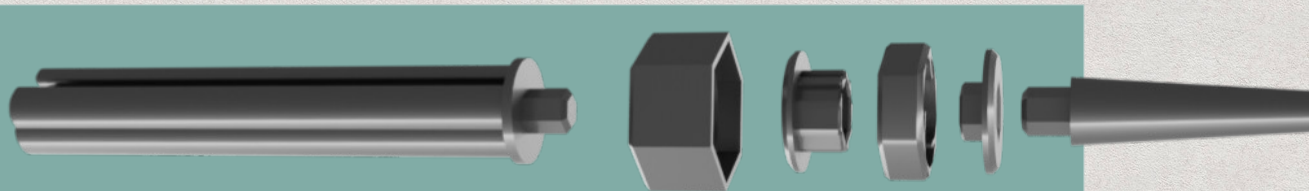


## How does it work?

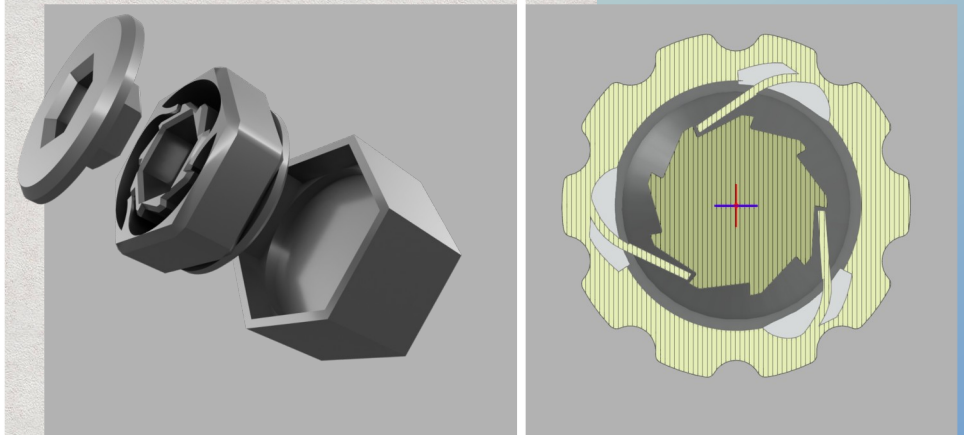
It works by using a one directional gear it locks the screw driver handle with the head allowing torque in one direction. Then by flipping that gear around you get torque in the other direction. All while allowing the handle to slip in the then opposing direction, creating that all too satisfying “clicking” sound, allowing you to have to lift the screw driver from the screw or slide your hand around the screw driver.

The whole reason for the ratchet system is so that it allows for the perfectly fitting handle that forms to any users palm.

## The Assembly



## Inspiration for the mechanism



I got inspiration from someone in the 3d printing, they came up with a print in place ratchet screw driver, with a similar mechanism that I chose to use in my design.

The difference being while mine is not able to be printed in place, it is able to have the most comfortable handle for anyone.