

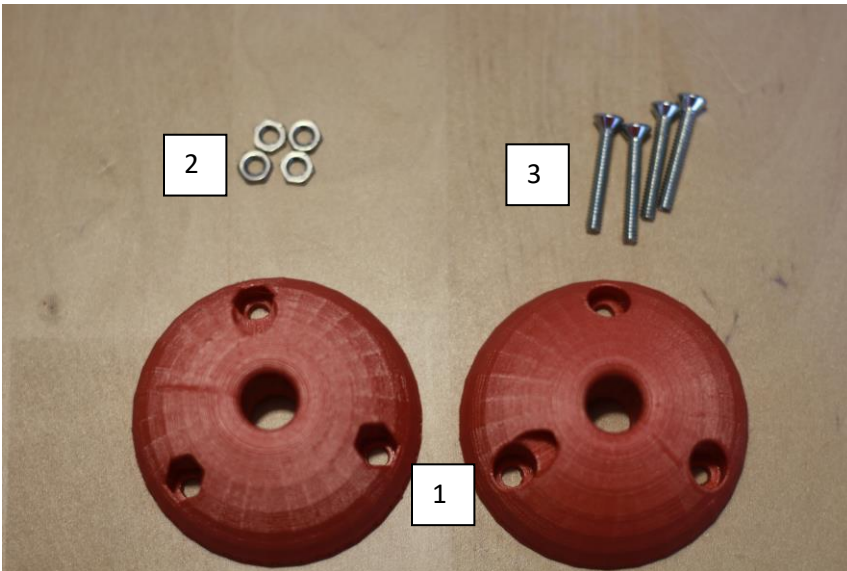
# Pen Ball

## ASSEMBLY GUIDE

Video for assembly can be found here:

<https://www.youtube.com/watch?v=FC61UELQ8Oo&list=PLhoPg9bDvBR61-Vq6Jozt5OB0i0aSeOWO&index=16>

### Required Components



#### BOM

1. 1x 3D Printed Top and Bottom of Pen Ball
2. 5x M4- 0.70 Machine Screw Nut
3. 5x M4- 0.70 X 20 Machine Screw

Note: only 4 machine screw nut and screw are shown here but 5 is the desired quantity

### Required Tools

- 3D printer
- Screwdriver

### Required Personal Protective Equipment (PPE)

- Safety Glasses

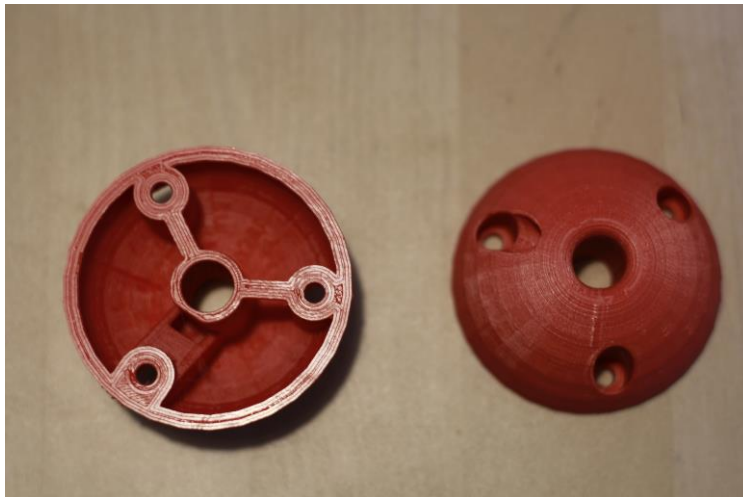
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### Assembly Instructions

#### Step 1

Gather materials needed and ensure that all of the holes in the Pen Ball halves are not obstructed by extra filament. If they are attempt to remove extra filament.



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### Step 2

Insert the set screw nut into the rectangular slot on the inside of the pen ball halves. Now gently thread on the set screw so the nut is held in place. Do this for both halves of the Pen Ball.



### Step 3

Put the two halves of the pen ball together lining up the bolt holes. One-half of the pen ball has hexagon shaped hole and the other has a smooth circle hole. Push the threads of the M4 screws into the rounded hole and out through the hexagon shaped hole. Then place a nut on the end of that machine screw on the hexagon side and tighten until snug. Repeat for other three holes.

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