



Assembly Instructions



Assemble the following:



8x skateboard bearings

7.7mm diameter screw rod

16x M4*16 steel hex socket cap screws

14x M4 nuts

2x washers (19mm outer/8mm inner)

4x hex nuts (1/4 in to fit screw rod)

2x large washers (38mm outer/8.5mm inner)

1 standard gopro nut and bolt.

3mm allen key

adjustable wrench

1x 3lb weight (standard fitness weight)

4x bearing_axis_v3.stl

1x gopro_mount.stl

1x inner_mount_bottom_v2.stl

1x inner_mount_top_v2.stl

1x mid_ring_bottom_v2.stl

1x mid_ring_top_v2.stl

1x outer_ring_bottom_v2.stl

1x outer_ring_top_v2.stl

2x weight_support.stl



Take the 8 bearings and 4 bearing axis and slot them together so you end up with 2 bearing on each end of a bearing axis.





Use the socket head screws and nuts and join the inner_mount_top_v2 and inner_mount_bottom_v2 parts together.



Slot 1 bearing in to each side.



Continue by placing the inner ring inside the mid_ring_bottom part and then placing the mid_ring_top part on top.



Screw the parts together in the same way as before with the socket head screws and nuts.



Insert the final 2 bearings in to position on the mid ring piece.

Place the on the `outer_ring_bottom` and then add the `outer_ring_top` piece (with two handles) on top.

Be careful to add the hex nuts in all the holes. Note the two shown below are loose and will fall out until screwed in place.



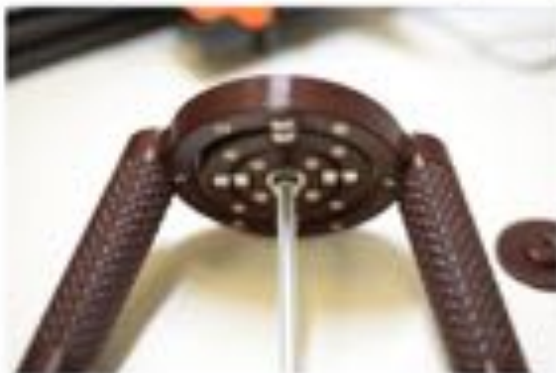
The two outer screws do not have a matching hex nut to join.

They should just screw down in to the 3d printed part.





Next attach the washer and bolt to the threaded bar.



Screw the bar through the center of the gyro. It should be a fairly tight fit. You want a couple of inches max sticking out the top.



Repeat the process for the top part, adding a washer first and then the next bolt.



Tighten down to make secure.



Add the nut, larger washer and weight_support to the rod.



Then add the weight.

Follow it by adding the weight_support, the larger washer and finally the nut.

Tighten it down so it is all at the bottom of the rod.





Finally...

Add the gopro mount to the top of the thread and screw on (tight fit) until it reaches the end of the hole.



Add the standard gopro screw/bolt through the mount.



That's it... you're done!