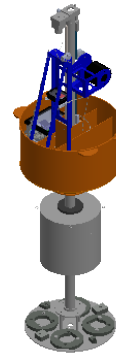


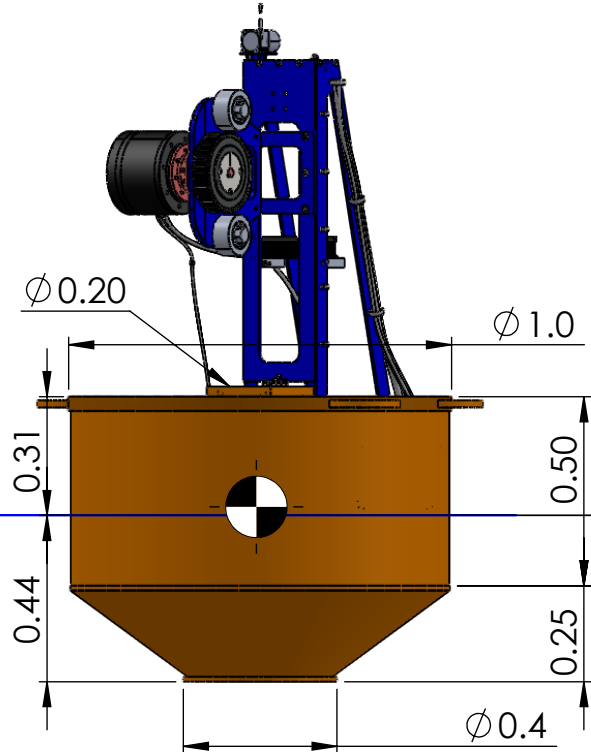
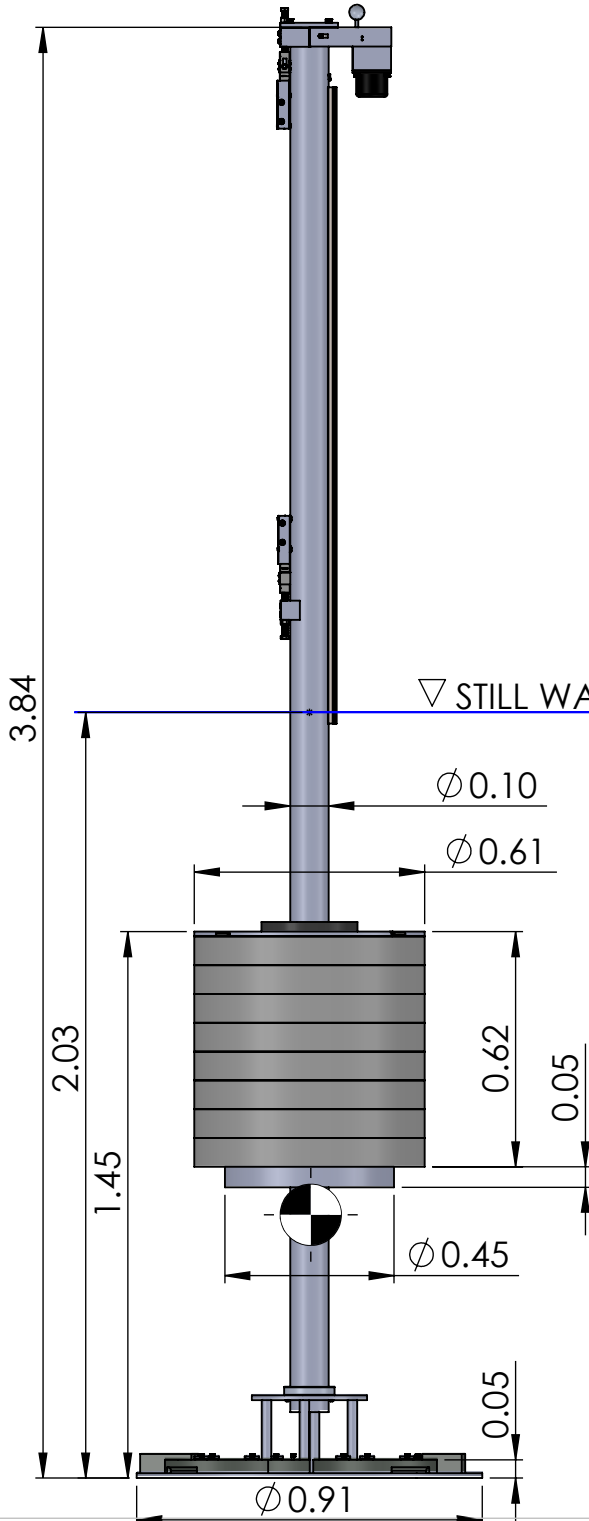
Spar Mass Properties(LUPA-A1200)


- Mass = 202.21 kg
- Center of mass = (-0.01,0.00,-1.34)m
 - As taken from the still water level
- Principal axes of inertia and principal moments of inertia(kg*sq-m)
 - Px = 304.87(roll)
 - Py = 305.25(pitch)
 - Pz = 15.68 (yaw)



Float Mass Properties(LUPA-A1100)

- Mass = 246.23 kg
- Center of mass = (-0.01,0.01,0.02)m
 - As taken from the still water level
- Principal axes of inertia and principal moments of inertia(kg*sq-m)
 - Px = 64.38(roll)
 - Py = 66.36(pitch)
 - Pz = 17.15(yaw)



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN METERS			<div></div> <div>OREGON STATE UNIVERSITY</div>		
<div><div><u>TOLERANCES</u></div><div><div>.X = ±0.05</div><div>ANGLES: ±0.5°</div><div>.XX = ±0.01</div><div>.XXX = ±0.005</div></div></div>					
MATERIAL:			<div>DISCRIPTION:</div> <div>TEAMERLUPA2</div> <div>Fall 2023</div>		
FINISH:					
			PART NO.		0.2
			LUPA-A1100 and -A1200		
DRAWN	CKB	DATE			REVISION
CHK'D					
			SCALE:1:20	SHEET 1 OF 1	DO NOT SCALE DRAWING