



position: (0,0,0)
orientation: (0,0,0)

position: ((ARM_LENGTH/2),0,0)
orientation: (0,-PI/2,0)



position: (ARM_LENGTH+MOTOR HOLDER_RADIUS,0,0)
orientation: (0,0,0)



body

Pole

mass: 0.25kg
Cylinder(length:ARM_LENGTH, radius:ARM_RADIUS)



body

MotorHolder

mass: 0.05kg
Cylinder(length:ARM_RADIUS*2, radius:MOTOR HOLDER_RADIUS)