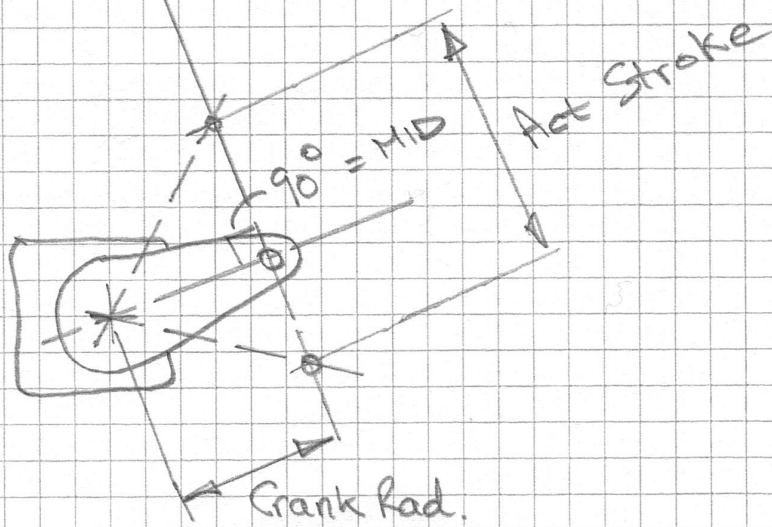
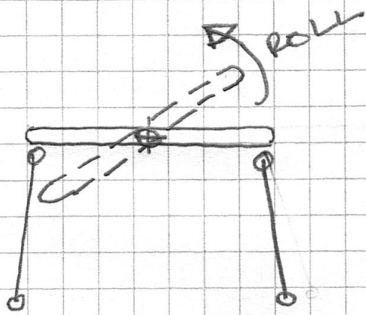


CRANK & STROKE

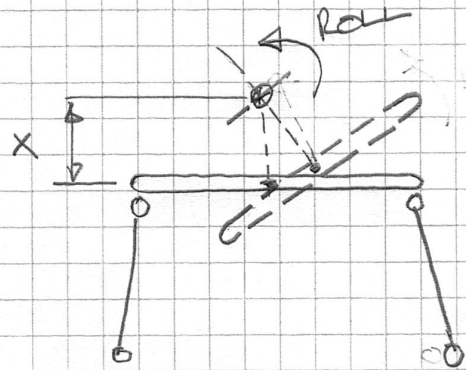


ROLL & PITCH CENTER



Rot. Height = 0

(ROLL CENTER LIES
ON PLATFORM)



Rot. Height = X

(ROLL CENTER LIES
ABOVE PLATFORM)