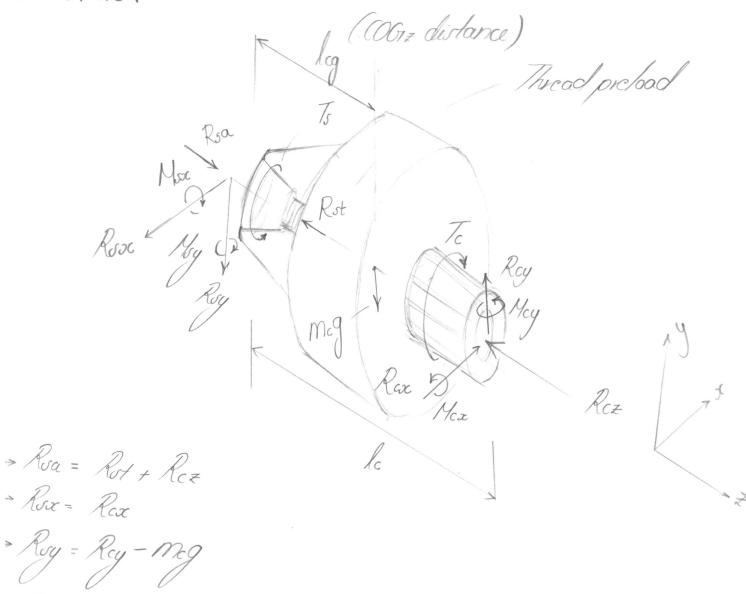
FREE BODY DIAGRAMS

A. PART

assuming.

- a uniform crow vection
- 5. man is evenly distributed across part is treated as cartilevered from chuck.

B. CHUCK



>/s = /c

= Mox = Mox + Roy lo - Mog log

> My = Mcy + Rex lc

a. All looch acting at the church approximal

6. All reaction booch acting on topered overface NOT thread thread only providing prepood for moting ourtoces.

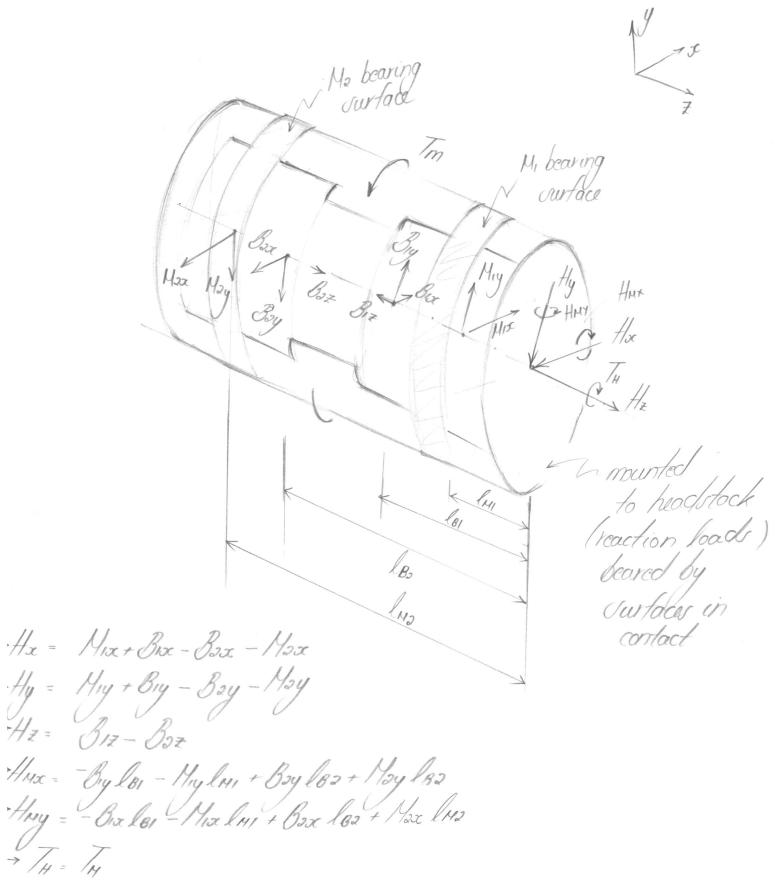
· Bax 6 - My - Rux C + Roving (a+6) =0 Base = 6 May + 6 Rox - 0+6 vinto Rp * Bix = Bax + RpsinOp + Rox 5 Mix + & Roy - a+6 av 8p Rp + 6-log mg Bay + Rp cas Op + Rsy - Mag Rol < Roa: Biz = Bp + Roa - Rot } Bp: bearing - If Rot > Roa: Opz = Op + Rot - Roa Rouming a. Angular contact roller bearings h. Bearing frictional torques have not been considered! Howen's due to celling expected to have a viringer

D. HOTOR + MOUNT

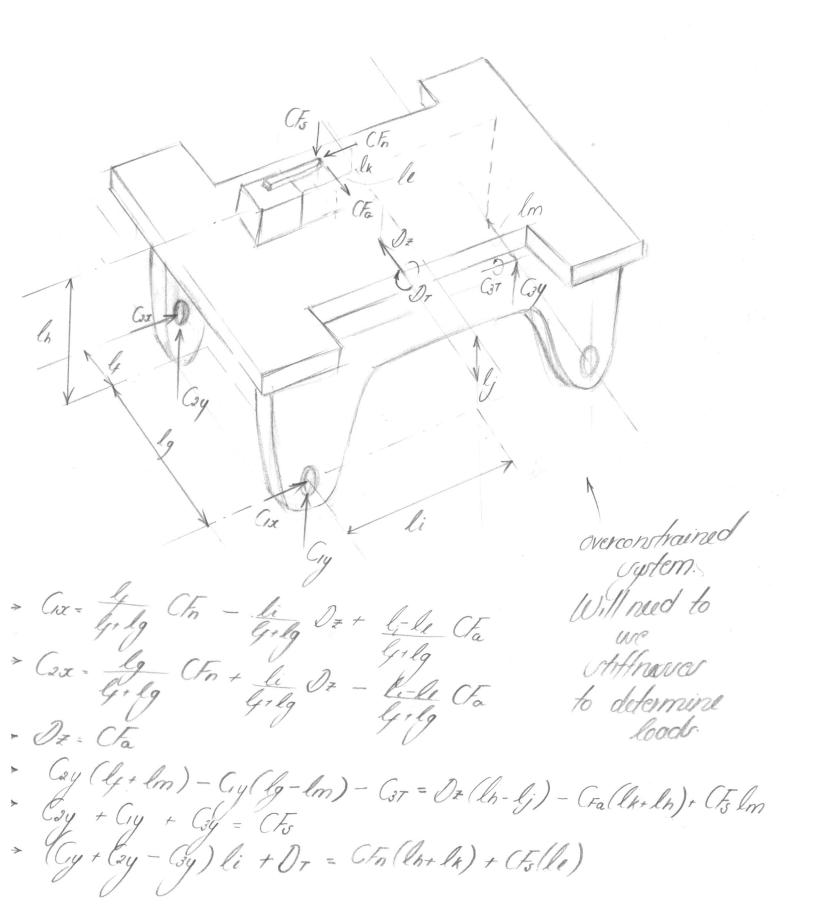
a Pre-load mechanism is implemented into this accembly,

also there will be an additional pre-load force of the state of the superior of the s

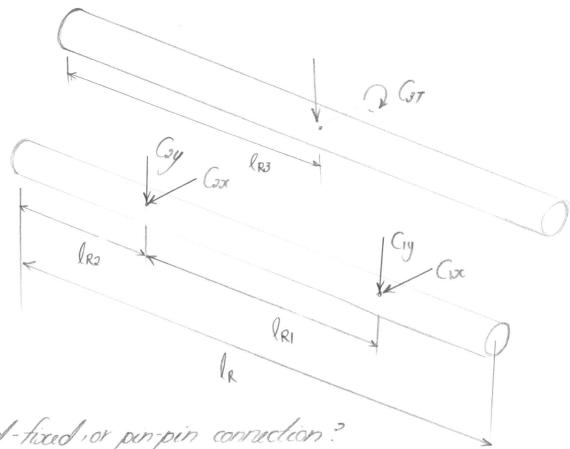
E. BEARING HOUSING



F. TOOL TO CARRIAGE



Gr. RAILS



Fixed-fixed or pin-pin connection?