2=30°, l=2000nm, d=xsmm 1 Rod width Rad diameter

Rod material: steel.

E=21061Pa Poisson's ratio: 0.3

P= 100 KN get the displacement of node A (AA)

Solution: ZIFX=0 => FN2SMA - FN1SMA=0

EFy=0 =) Fricosd + Fristosd - P=0

 $\Rightarrow FN_1 = FN_2 = \frac{P}{2\omega \omega}$

Hooke's law: E=6/E

=) $\Delta l_1 = \Delta l_2 = \frac{F_{N_1}l_2}{EA} = \frac{Pl}{2EAcosd}$, $A = \lambda (\frac{1}{2})^2$ is the cross-sectional area

To get the AA, we have to use Infinitesimal strain theory