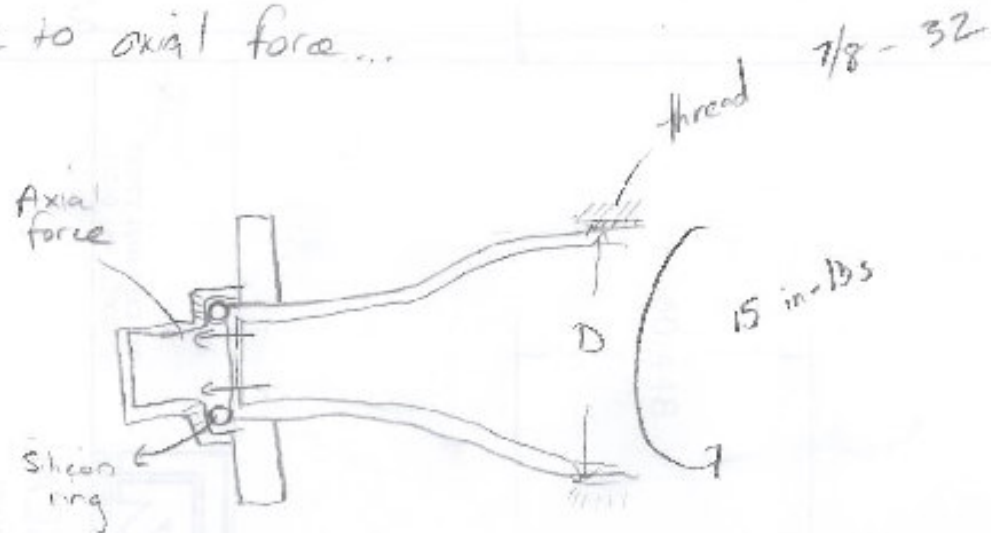


Translating torque to axial force...



Is this correct?

$$\frac{F_{axial}}{F_{torsional}} = \frac{\pi D}{1/Pitch}$$

$$F_{torsional} = \frac{15 \text{ in-lb}}{D}$$

$$F_{axial} = (\pi D) \left(\frac{15 \text{ in-lb}}{D} \right) \left(32 \frac{\text{threads}}{\text{in}} \right)$$

$$\approx 1500 \text{ lbf}$$