

Calculations Let the force be represented as: $F=ma$ Where:

- m is the mass in kg
- a is the acceleration in m/s^2

The result is: $F=2.0 \text{ kN}$

The result is: $I_x=6042122 \text{ mm}^4$

The result is: $I_y=2084212 \text{ mm}^4$

0.450 kip