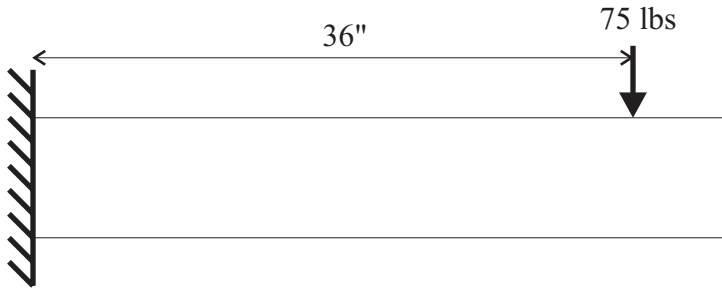
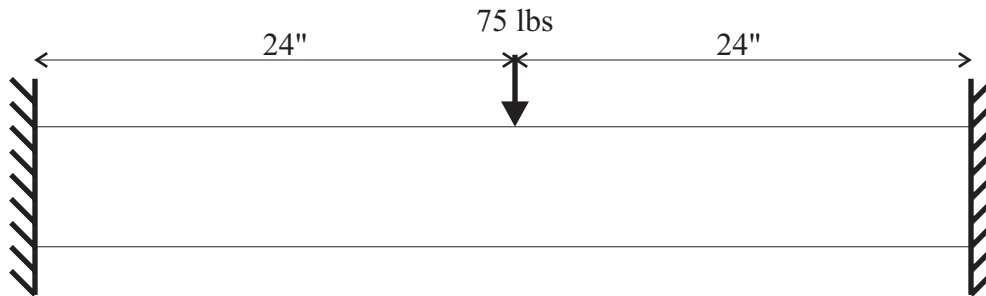


MEGR 7283 - HW #1 Due Monday, Sept. 9

This assignment will provide a comparison of the deflection in the z direction for a Gantry CMM vs. a Bridge CMM.



Steel: equivalent to 5" x 5" cross-section



Alum: equivalent to 5" x 5" cross-section

For each case, find the deflection due to the load (both with and without the loading due to the weight of the beam).

State any assumptions you make, and list the material properties you use.