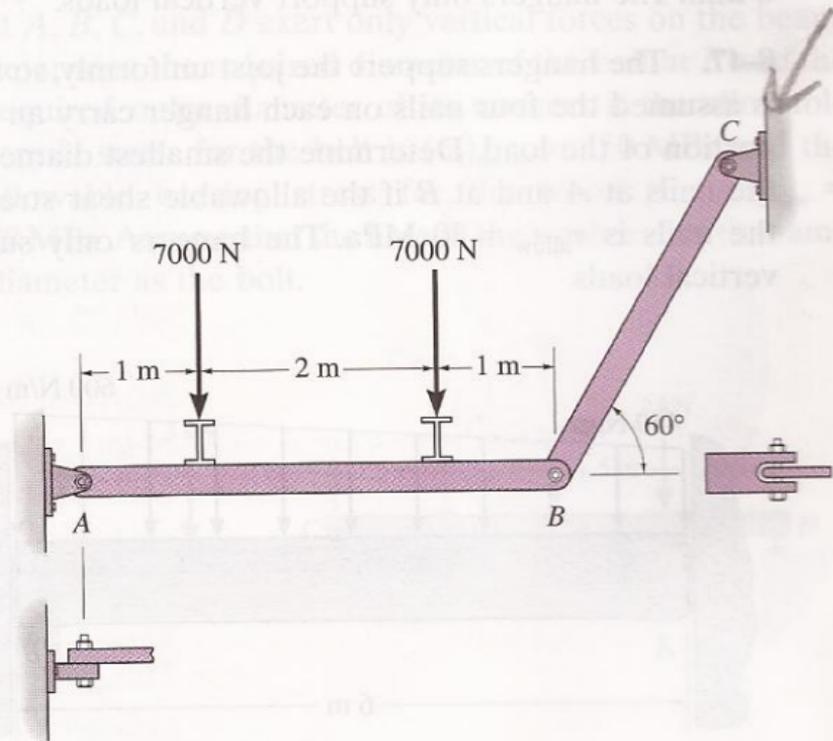


8-44. Determine the required cross-sectional area of member BC and the diameter of the pins at A and B if the allowable normal stress is $\sigma_{\text{allow}} = 20 \text{ MPa}$ and the allowable shear stress is $\tau_{\text{allow}} = 30 \text{ MPa}$.



Prob. 8-44