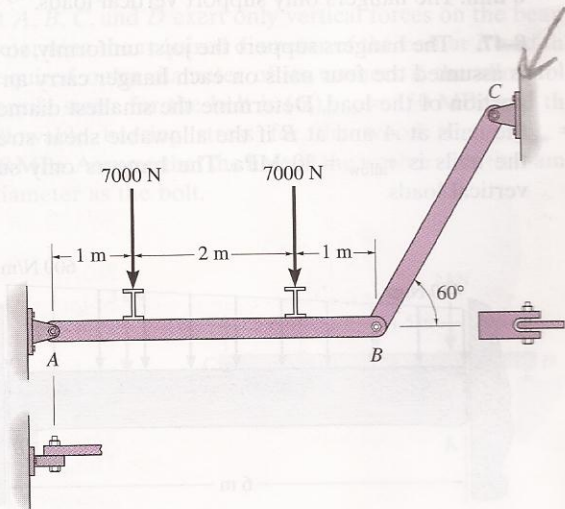


**8-44.** Determine the required cross-sectional area of member  $BC$  and the diameter of the pins at  $A$  and  $B$  if the allowable normal stress is  $\sigma_{\text{allow}} = 20 \text{ MPa}$  and the allowable shear stress is  $\tau_{\text{allow}} = 30 \text{ MPa}$ .



**Prob. 8-44**