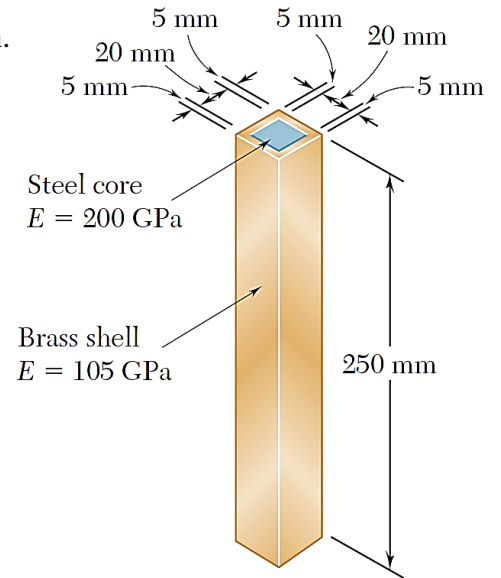
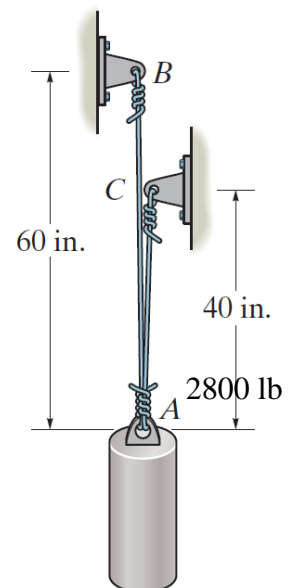


- 1) GIVEN: A centric axial force of 60 kN is applied to the assembly shown.
 REQ'D: (a) Normal stress in the brass shell.
 (b) Deformation of the assembly. (B9.25)



- 2) GIVEN: A load is supported by two essentially vertical 12 gauge nichrome wires. Originally wire AB is 60 in long and wire AC is 40 in long.
 REQ'D: Determine the force developed in each wire after the load is suspended.



- 3) GIVEN: Steel wall brace constructed as shown.
 $a = 12 \text{ in}$ $\mathbf{P} = 10 \text{ kips}$ $d = 4 \text{ in}$.
REQ'D: Reactions at A and C.

