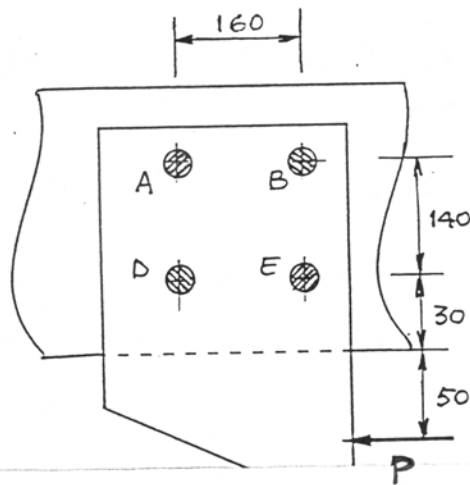
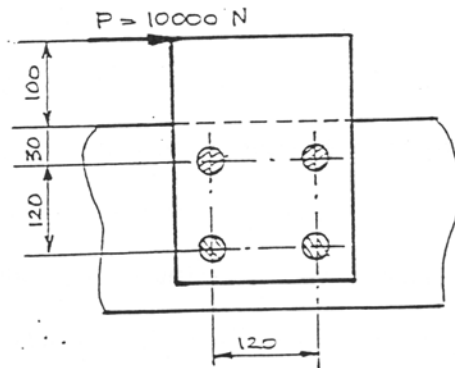


1. For the eccentrically loaded bolted connection shown, determine the maximum allowable load P . All the bolts are 22 mm in diameter and the allowable shear stress is 100 MPa. (Dimensions are in mm.)



1. For the eccentrically loaded bolted connection shown, determine the magnitude and direction of the maximum total shearing stress and the bolt in which it occurs. All the bolts are 20 mm in diameter. (Dimensions are in mm.)



Question 1. Determine the maximum permissible eccentric load P that the bolted connection, consisting of bolts A, B and C as shown, can resist if the allowable shear stress in the bolts is 75 MPa. The diameter of each bolt is 22 mm.

