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Problem 116 As in Fig. 1-11c, a hole is to be punched out of a plate having a shearing strength of 40 ksi. The compressive stress in the punch is limited to 50 ksi. (a) Compute the maximum thickness of plate in which a hole 2.5 inches in diameter can be punched.

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members of structures, whose states of stress can be approximated as two dimensional, and was then generalized to three dimensions to develop a more complete theory of the elastic and plastic behavior of materials. An important founding pioneer in mechanics of materials was

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experimental measurement of these complex problems are straight forward and represents truth. Several postgraduate students of th laboratory is have enthusiastically participated in the

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Problem #8. The torque is divided according to torsional stiffnesses. In this case the left supports picks up $(6/10)=0.6$ of the torque and the right support takes 0.4 of the torque. Problem

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#9. The stress is. Finding the centroid is as before: The area moment of inertia is: Q is. and. Problem #10. Problem #11. For this thin-walled tube: The ...

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