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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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Strength of Materials Laboratory Manual Prof. K. Ramesh  
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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 #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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