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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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Stresses. Normal
Stresses; Shear Stress;
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walled Pressure
Vessels; Chapter 02 -
Strain; Chapter 03 -
Torsion; Chapter 04 -
Shear and Moment in
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Problem #8. The torque is divided according to torsional stiffnesses. In this case the left supports picks us $(6/10)=0.6$ of the torque and the right support takes 0.4 of

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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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