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**Solution mechanics of materials gere\_6\_ed** 1. Normal Stress and Strain Problem 1.2-1  
A solid circular post ABC (see figure) supports a load  $P_1 = 2500$  lb ...

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**Problem 104** A hollow steel tube with an inside diameter of 100 mm must carry a tensile load of 400 kN. Determine the outside diameter of the tube if the stress is ...

## [Applied Mechanics and Materials \(AMM\) - Scientific.net](#)

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Edited by: A.K.M. Sadrul Islam, Hasan Mahfuz, Md. Nurul Absar Chowdhury and Md. Anayet U. Patwari

## [Torsion | Strength of Materials Review - MATHalino.com](#)

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**TORSION** Consider a bar to be rigidly attached at one end and twisted at the other end by a torque or twisting moment  $T$  equivalent to  $F \times d$ , which is applied ...

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Department of Mechanical Engineering Statics and **Mechanics of Materials** Internal force, normal and shearing Stress Chapter 4-1

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