

# [Strength of materials 4th ed. by ferdinand l. singer essay](https://assignbuster.com/strength-of-materials-4th-ed-by-ferdinand-l-singer-essay/)

Contents

* [email protected] com. Problem 310 Show that the hollow circular shaft whose inner diameter is half the outer diameter has a torsional strength equal to 15/16 of that of a solid shaft of the same outside diameter. Solution 310 Problem 311 An aluminum shaft with a constant diameter of 50 mm is loaded by torques applied to gears attached to it as shown in Fig. P-311. Using G = 28 GPa, determine the relative angle of twist of gear D relative to gear A. [[email prote](../../../../cdn-cgi/l/email-protection)