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Nota di contenuto	Simple Stresses and Strains -- Principal Stresses -- Centroid and Moment of Inertia -- Shear Forces and Bending Moments in Beams -- Centroid and Moment of Inertia -- Deflections of Beams -- Torsion of Circular Members -- Springs.
Sommario/riassunto	Using the principles and laws of mechanics and the fundamentals of engineering, Strength of Materials will help students and practicing engineers with a background in mechanical and/or civil engineering apply concepts of engineering mechanics for analysis and design of materials, civil structures, and machine elements. The book focuses both on the basics and more complex topics such as stress-strain curves in tension, shear forces and bending moments in beams, torsion of circular members, theory of elastic failure, mechanical testing of failures, etc. End of chapter problems, solved illustrations and multiple choice questions are presented throughout the book to augment learning. .