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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	From the Contents: Thin-Walled Circular Cylinders under Internal/External Pressure and Stressed in the Linear Elastic Field -- Instability of Thin-Walled Circular Cylinders under External Pressure -- Other Types of Instability in Thin-Walled Circular Cylinders -- Thick-Walled Circular Cylinders under Internal/External Pressure Stressed in the Elastic Field.
Sommario/riassunto	This book provides comprehensive coverage of stress and strain analysis of circular cylinders and pressure vessels, one of the classic topics of machine design theory and methodology. Whereas other books offer only a partial treatment of the subject and frequently consider stress analysis solely in the elastic field, Circular Cylinders and Pressure Vessels broadens the design horizons, analyzing theoretically what happens at pressures that stress the material beyond its yield point and at thermal loads that give rise to creep. The consideration of both traditional and advanced topics ensures that the book will be of value for a broad spectrum of readers, including students in

postgraduate, and doctoral programs and established researchers and design engineers. The relations provided will serve as a sound basis for the design of products that are safe, technologically sophisticated, and compliant with standards and codes and for the development of innovative applications.
