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Titolo	Applied mechanics for engineering technology // Keith M. Walker
Pubbl/distr/stampa	Harlow, England : , : Pearson, , [2014] ©2014
ISBN	1-292-05592-8 1-292-02736-3 1-306-12072-1
Edizione	[Eighteenth, Pearson new international edition.]
Descrizione fisica	1 online resource (544 pages) : illustrations (some color)
Collana	Always learning
Disciplina	620.1
Soggetti	Mechanics, Applied
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Cover -- Table of Contents -- 1. Introduction -- 2. Forces, Vectors, and Resultants -- 3. Moments and Couples -- 4. Equilibrium -- 5. Structures and Members -- 6. Three-Dimensional Equilibrium -- 7. Friction -- 8. Centroids and Center of Gravity -- 9. Moment of Inertia -- 10. Kinematics: Rectilinear Motion -- 11. Kinematics: Angular Motion -- 12. Plane Motion -- 13. Kinetics -- 14. Work, Energy, and Power -- Index.
Sommario/riassunto	For courses in Applied Mechanics, Statics/Dynamics, or Introduction to Stress Analysis. Featuring a non-calculus approach, this introduction to applied mechanics text combines a straightforward, readable foundation in underlying physics principles with a consistent method of problem solving. It presents the physics principles in small elementary steps; keeps the mathematics at a reasonable level; provides an abundance of worked examples; and features problems that are as practical as possible without becoming too involved with many extraneous details. This edition features 7% more problems, an enhanced layout and design and a logical, disciplined approach that gives students a sound background in core statics and dynamics competencies.