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ISBN	981-13-6841-4
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Descrizione fisica	1 online resource (XXXIII, 498 p. 4 illus.)
Disciplina	690
Soggetti	Buildings—Design and construction Building Construction Engineering, Architectural Mechanics Mechanics, Applied Structural materials Building construction Building Construction and Design Solid Mechanics Structural Materials Solid Construction
Lingua di pubblicazione	Inglese
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Nota di contenuto	Explanatory Notes -- Design Data for Column with 12mmØ Rebar -- Design Data for Column with 16mmØ Rebar -- Design Data for Column with 20mmØ Rebar -- Design Data for Column with 25mmØ Rebar -- Design Data for Column with 32mmØ Rebar.
Sommario/riassunto	This book was written to facilitate column sizing and reinforcement design for structural engineers. It arranges the design data in a clearly structured manner, and provides quick and easy ways for engineers to compare the feasibility of multiple alternatives (various column sizes and reinforcement configurations). With the help of this book, engineers can rapidly produce outputs for architects, which the latter can incorporate into their architectural layout plans. These outputs can

also benefit quantity surveyors, especially for costing purposes, and help avoid careless design errors. The book is chiefly intended for structural engineers who implement Eurocode 2 for reinforced concrete design. To gain the most from it, readers should possess a basic understanding of column design, e.g. the stresses and forces produced in columns and their reinforcements when subjected to axial load and bending moment. However, the book also provides explanatory notes for the design data tables, allowing them to be used without prior background knowledge.
