

1. Record Nr.	UNINA9910298486403321
Autore	Axsäter Sven
Titolo	Inventory Control // by Sven Axsäter
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-15729-9
Edizione	[3rd ed. 2015.]
Descrizione fisica	1 online resource (XIII, 268 p. 50 illus.)
Collana	International Series in Operations Research & Management Science, , 0884-8289 ; ; 225
Disciplina	658.787
Soggetti	Operations research Decision making Production management Operations Research/Decision Theory Operations Management
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction -- Forecasting -- Costs and Concepts -- Single-Echelon Systems: Deterministic Lot Sizing -- Single-Echelon Systems: Reorder Points -- Single-Echelon Systems: Integration-Optimality -- Coordinated Ordering -- Multi-Echelon Systems: Structures and Ordering Policies -- Multi-Echelon Systems: Lot Sizing -- Multi-Echelon Systems: Reordering Points -- Implementation.
Sommario/riassunto	This third edition, which has been fully updated and now includes improved and extended explanations, is suitable as a core textbook as well as a source book for industry practitioners. It covers traditional approaches for forecasting, lot sizing, determination of safety stocks and reorder points, KANBAN policies, and Material Requirements Planning. It also includes recent advances in inventory theory, for example, new techniques for multi-echelon inventory systems and Roundy's 98 percent approximation. The book also considers methods for coordinated replenishments of different items, and various practical issues in connection with industrial implementation. Other topics covered in Inventory Control include: alternative forecasting techniques, material on different stochastic demand processes and how

they can be fitted to empirical data, generalized treatment of single-echelon periodic review systems, capacity constrained lot sizing, short sections on lateral transshipments and on remanufacturing, coordination and contracts. As noted, the explanations have been improved throughout the book, and the text also includes problems, with solutions in an appendix.
