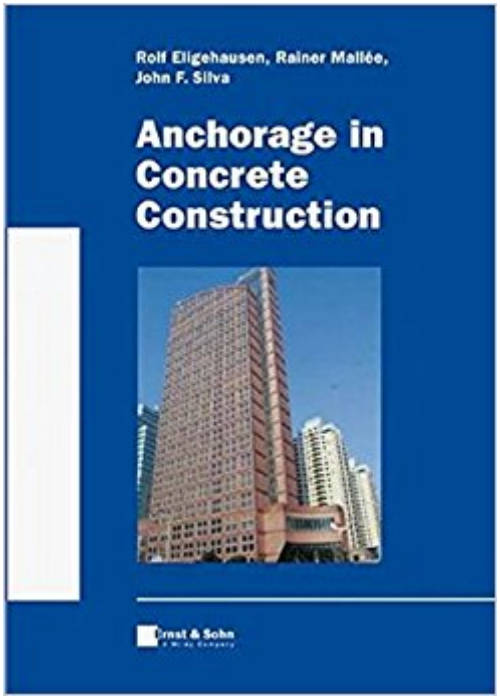
Ebook Directory
the best source of ebook

The book was found

# Anchorage In Concrete Construction




PDF
Adobe
DOWNLOAD EBOOK

## Synopsis

A comprehensive treatment of current fastening technology using inserts (anchor channels, headed stud), anchors (metal expansion anchor, undercut anchor, bonded anchor, concrete screw and plastic anchor) as well as power actuated fasteners in concrete. It describes in detail the fastening elements as well as their effects and load-bearing capacities in cracked and non-cracked concrete. It further focuses on corrosion behaviour, fire resistance and characteristics with earthquakes and shocks. It finishes off with the design of fastenings according to the European Technical Approval Guideline (ETAG 001), the Final Draft of the CEN Technical Specification 'Design of fastenings for use in concrete' and the American Standards ACI 318-05, Appendix D and ACI 349-01, Appendix B.

## Book Information

Hardcover: 391 pages

Publisher: Ernst & Sohn; 1 edition (March 31, 2006)

Language: English

ISBN-10: 3433011435

ISBN-13: 978-3433011430

Product Dimensions: 6.9 x 0.9 x 9.6 inches

Shipping Weight: 2.1 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars 2 customer reviews

Best Sellers Rank: #1,064,127 in Books (See Top 100 in Books) #103 inÂ Books > Engineering & Transportation > Engineering > Materials & Material Science > Concrete #275 inÂ Books > Engineering & Transportation > Engineering > Materials & Material Science > Polymers & Textiles #525 inÂ Books > Engineering & Transportation > Engineering > Mechanical > Machinery

## Customer Reviews

A comprehensive treatment of current fastening technology using inserts (anchor channels, headed stud), anchors (metals expansion anchor, undercut anchor, bonded anchor, concrete screw and plastic anchor) as well as power actuated fasteners in concrete. It describes in detail the fastening elements as well as their effects and load-bearing capacities in cracked and non-cracked concrete. It further focuses on corrosion behaviour, fire resistance and characteristics with earthquakes and shocks. it finishes off with the design of fastenings according to the European Technical Approval Guideline (ETAG 001), the Final Draft of the CEN Technical Specification "Design of Fastenings for use in concrete" and the American Standards ACI 318-05, Appendix D and ACI 349-01, Appendix B. Within the international field of construction, both German companies and experts play an

important role in fastening technology. The authors represent both groups, first two have already published a successful German edition. This English-language edition has been revised and third author has joined the team.

Rolf Eligehausen, Prof. Dr.-Ing. studied structural engineering at the Technical University Brunswick and gained his doctorate from the University of Stuttgart. Following two years of research at the University of California Berkeley, he became professor for fastenings technology at Otto Graf Institute, University of Stuttgart in 1984. He is a member of numerous national and international expert commissions in the fields of steel-reinforced concrete and fastening technologies and the author of a large number of essays on these topics. Rainer MallÃ Â¿Â  e, Dr.-Ing. studied structural engineering at the Technical University Brunswick and gained his doctorate from the University of Stuttgart.  Between 1980 and 1987 he was head of Professor Rehm's engineering company in Munich, before becoming head of development in fastening elements at fischer in Waldachtal. Since 1996 he has been head of research at the fischer group of companies. John F. Silva, MS, SE gained his Master of Civil Engineering at the University of California at Berkeley and is a Structural Engineer. He worked for ca. 10 years in San Francisco at two renowned engineering firms concentrating on inter alia fastenings during earthquakes. He worked in the development centre at HILTI for four years and currently works in their San Francisco offices.

If you design concrete anchors, this book is a must have. Not only does it provide an in-depth discussion as to the various failure modes, but it also goes into the design codes that govern such systems.It treats many of the typical systems used for embedment: post-installed anchors, cast-in-place headed bolts, screw anchors, cast-in channels, etc. The book also has a wealth of testing data (especially when it comes to load-displacement curves; if you've ever wondered about your design under sustained loads).But probably the best aspect of this book has to be its discussion of fatigue loading (including high cycle loads). In fact, this is the only text I can think of that has such a discussion. It considers such loading in both cracked and uncracked concrete (while acknowledging some areas that need research), and provides some good recommendations. Excellent book.

The concepts and ideas in this book are covered very well.Where other references and text books only scratch the surface and do not give engineers guidance in more challenging applications, this book helps tremendously.This book will also help engineers undertand the mechanisms and failure

modes of anchoring which is required now in the United State's International Building Code.

Download to continue reading...

Anchorage in Concrete Construction Concrete, From Archeology to Invention, 1700â "1769: The Renaissance of Pozzolana and Roman Construction Techniques (Treatise on Concrete) The Island Hopping Digital Guide To The Turks and Caicos Islands - Part II - The Turks Islands: Including Grand Turk, North Creek Anchorage, Hawksnest Anchorage, Salt Cay, and Great Sand Cay Ghosts of Anchorage: The Haunted Locations of Anchorage, Alaska Cruise Port Guide - Anchorage: Anchorage On Your Own (Cruise Port Guides) Anchorage (City-Smart Anchorage) Anchorage DIY City Guide and Travel Journal: City Notebook for Anchorage, Alaska City-Smart Guidebook: Anchorage (City Smart Guidebook. Anchorage, 1st ed) Cruise Port Guides - Anchorage: Anchorage On Your Own 2016 National Construction Estimator (National Construction Estimator) (National Construction Estimator (W/CD)) Construction Contract Dispute and Claim Handbook, Introduction, and Division 01: A Primer on the Nature of Construction Contract Disputes for Attorneys, ... (Construction Contract Dispute Handbook) RSMeans Concrete and Masonry Cost Data 2014 (Means Concrete & Masonry Cost Data) Black & Decker The Complete Guide to Concrete & Masonry, 4th Edition: Build with Concrete, Brick, Block & Natural Stone (Black & Decker Complete Guide) ACI 318.2-14: Building Code Requirements for Concrete Thin Shells (ACI 318.2-14) and Commentary on Building Code Requirements for Concrete Thin Shells (ACI 318.2R-14) Proportioning Concrete Mixtures and Mixing and Placing Concrete (Classic Reprint) The Concrete House: Building Solid, Safe & Efficient with Insulating Concrete Forms Textile Reinforced Concrete (Modern Concrete Technology) Fracture Mechanics of Concrete: Applications of Fracture Mechanics to Concrete, Rock and Other Quasi-Brittle Materials Masonry & Concrete Construction Insulating Concrete Forms Construction : Demand, Evaluation, & Technical Practice

Contact Us

DMCA

Privacy

FAQ & Help