

AISI MANUAL

Cold-Formed Steel Design - Vol. 1

2013 Edition



**American
Iron and Steel
Institute**

Aisi 1996 Design Manual

**Frederick S. Merritt, Jonathan T.
Ricketts**



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Cold-Formed Steel Design Wei-Wen Yu, 2000-06-26 The definitive text in the field thoroughly updated and expanded Hailed by professionals around the world as the definitive text on the subject Cold Formed Steel Design is an indispensable resource for all who design for and work with cold formed steel No other book provides such exhaustive coverage of both the theory and practice of cold formed steel construction Updated and expanded to reflect all the important developments that have occurred in the field over the past decade this Third Edition of the classic text provides you with more of the detailed up to the minute technical information and expert guidance you need to make optimum use of this incredibly versatile material for building construction Wei Wen Yu an internationally respected authority in the field draws upon decades of experience in cold formed steel design research teaching and development of design specifications to provide guidance on all practical aspects of cold formed steel design for manufacturing civil engineering and building applications Throughout the book he describes the structural behavior of cold formed steel members and connections from both the theoretical and experimental perspectives and discusses the rationale behind the AISI design provisions Cold Formed Steel Design Third Edition features complete coverage of AISI 1996 cold formed steel design specification with the 1999 supplement Both ASD and LRFD methods The latest design procedures for structural members Updated design information for connections and systems Contemporary design criteria around the world The latest computer aided design techniques Cold Formed Steel Design Third Edition is a necessary tool of the trade for structural engineers manufacturers construction managers and architects It is also an excellent advanced text for college students and researchers in structural engineering architectural engineering construction engineering and related disciplines

Design of Metallic Cold-Formed Thin-Walled Members Aurelio Ghersi, Raffaele Landolfo, Federico Mazzolani, 2003-09-02 This design handbook with a free windows based computer programme on CD ROM allows the user to easily evaluate the strength of a cross section and the buckling resistance of steel and aluminium members Highlighting the theoretical basis of problems and the design approach necessary to overcome them it comprehensively covers design to Eurocode 9 and AISI specifications Design of Metallic Cold formed Thin walled Members is an essential handbook for structural engineers in the design office The software programme enables quick accurate calculations to be made and can reduce design time considerably It will also be of interest to academics and postgraduate students

Advances in Structures Gregory J Hancock, 2003 This volume is an outcome of the international conference on advances in structures steel concrete composite and aluminium in Sydney in 2003 It focuses on researches in composite design fire engineering light gauge construction advanced structural analysis and concrete filled tubes

Building Design and Construction Handbook, 6th Edition Frederick S. Merritt, Jonathan T. Ricketts, 2000-12-06 A where would you be without it handbook covering every single important step in building design and construction now updated to include key changes in design and construction practices Surveys materials structures soil mechanics and foundations building types

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