

FREE EPUB AISC STEEL CONSTRUCTION MANUAL 12TH EDITION (PDF)

THE STEEL CONSTRUCTION MANUAL IS THE PREMIER REFERENCE FOR STRUCTURAL STEEL DESIGN AND CONSTRUCTION IN THE UNITED STATES IT COVERS THE LATEST CODES STANDARDS AND MATERIALS FOR STEEL CONSTRUCTION AND IS UPDATED EVERY FIVE TO SIX YEARS A COMPREHENSIVE GUIDE TO STRUCTURAL STEEL DESIGN WITH 2 432 PAGES OF INFORMATION AND 18 MAJOR SECTIONS INCLUDES THE LATEST AISC STANDARDS CODES AND SPECIFICATIONS FOR STEEL BUILDINGS AND BRIDGES A COMPREHENSIVE GUIDE TO STRUCTURAL STEEL DESIGN WITH MORE THAN 2 300 PAGES OF INFORMATION AND 18 MAJOR CONTENTS SECTIONS INCLUDES THE 2016 SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS THE 2014 RCSC SPECIFICATION FOR STRUCTURAL JOINTS AND THE 2016 CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES THIS MANUAL IS THE 15TH EDITION OF THE AISC STEEL CONSTRUCTION MANUAL WHICH WAS FIRST PUBLISHED IN 1927 IT REPLACES THE 14TH EDITION MANUAL ORIGINALLY PUBLISHED IN 2011 THE FOLLOWING SPECIFICATIONS CODES AND STANDARDS ARE PRINTED IN PART 16 OF THIS MANUAL 2016 AISC SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS NEW 50 KSI STEEL DESIGN TABLES PROPERTIES AND DIMENSIONS FOR 210 NEW HSS SHAPES REVISED AND EXPANDED DISCUSSION OF PRYING ACTION NEW AND REVAMPED TABLES FOR DESIGN OF DOUBLE ANGLE CONNECTIONS SINGLE PLATE CONNECTIONS SINGLE ANGLE CONNECTIONS AND SHEAR END PLATE CONNECTIONS THIS MANUAL IS THE 15TH EDITION OF THE AISC STEEL CONSTRUCTION MANUAL WHICH WAS FIRST PUBLISHED IN 1927 IT REPLACES THE 14TH EDITION MANUAL ORIGINALLY PUBLISHED IN 2011 THE FOLLOWING SPECIFICATIONS CODES AND STANDARDS ARE PRINTED IN PART 16 OF THIS MANUAL A COMPREHENSIVE GUIDE TO STRUCTURAL STEEL DESIGN WITH 2 432 PAGES OF INFORMATION AND TABLES INCLUDES THE 2022 EDITIONS OF THE AISC SPECIFICATION AND CODE OF STANDARD PRACTICE LEARN ABOUT THE LATEST STANDARDS DESIGN CRITERIA AND DESIGN AIDS FOR STEEL BUILDING DESIGN AND CONSTRUCTION IN THE 15TH EDITION OF THE STEEL CONSTRUCTION MANUAL THIS WEB PAGE PROVIDES AN OVERVIEW OF THE NEW INFORMATION DESIGN EXAMPLES AND BACKGROUND FOR THE CHANGES IN THE MANUAL TABLE OF CONTENTS FOR THE DIGITAL EDITION OF STEEL CONSTRUCTION MANUAL 15TH ED THE MANUAL IS THE AUTHORITATIVE REFERENCE FOR PROFESSIONALS WHO DESIGN FABRICATE AND BUILD WITH STRUCTURAL STEEL THE 16TH EDITION FEATURES NEW 50 KSI STEEL DESIGN TABLES PROPERTIES AND DIMENSIONS FOR 210 NEW HSS SHAPES REVISED AND EXPANDED DISCUSSION OF PRYING ACTION AISC SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS ANSI AISC 360 16 AND THE 15TH EDITION AISC STEEL CONSTRUCTION MANUAL THE COMPANION CONSISTS OF DESIGN EXAMPLES IN PARTS I II AND III THIS DOCUMENT DISCUSSES GENERAL DESIGN CONSIDERATIONS FOR STRUCTURAL STEEL INCLUDING 1 THERMAL EFFECTS ON STEEL STRUCTURES FROM EXPANSION AND CONTRACTION DUE TO TEMPERATURE CHANGES MAXIMUM SPACING OF EXPANSION JOINTS IS DEPENDENT ON DESIGN TEMPERATURE CHANGE 2 CORROSION PROTECTION IS REQUIRED FOR EXTERIOR EXPOSED STEEL OR IN CORROSIVE STEEL CONSTRUCTION MANUAL 14TH EDITION BY AMERICAN INSTITUTE OF STEEL CONSTRUCTION AUTHOR 4 6 162 RATINGS SEE ALL FORMATS AND EDITIONS FIFTEEN EDITION REPORT AN ISSUE WITH THIS PRODUCT OR SELLER ISBN 10 1564240606 COMPLETE STEEL CONSTRUCTION MANUAL 3RD EDITION ADDENDUM 2 INCLUDING TABLE OF CONTENTS ALL SECTIONS AND APPENDICES STEEL CONSTRUCTION MANUAL LIST OF SECTIONS SECTION TITLE 1 INTRODUCTION 2 DRAWINGS 3 INSPECTION 4 GENERAL FABRICATION REQUIREMENTS 5 BASE METAL 6 PREPARATION OF BASE METALS 7 WELDING 8 QUALIFICATION 9 FRACTURE CONTROL PLAN 10 BOLTING 11 SHOP ASSEMBLY 12 DIMENSIONAL TOLERANCES FOR FABRICATED MEMBERS THE 15TH EDITION STEEL CONSTRUCTION MANUAL WAS FIRST RELEASED IN 2017 THE FOLLOWING STANDARDS AVAILABLE AS FREE DOWNLOADS ELSEWHERE ON THIS SITE ARE PRINTED IN PART 16 OF THIS MANUAL ANSI AISC 360 16 SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS THE STANDARD SHOULD DEFINE ASD FOR BUILDINGS CONSTRUCTED OF STRUCTURAL STEEL AND SHOULD BE LIMITED TO ASD THE OVERALL COMPOSITION OF THE ORIGINAL EDITION SHOULD BE MAINTAINED THE STANDARD SHOULD BE UPDATED TO ADDRESS THE CURRENT DESIGN FABRICATION AND CONSTRUCTION PRACTICE DESIGN STANDARD FOR STEEL STRUCTURES BASED ON ALLOWABLE STRESS CONCEPT HEREINAFTER REFERRED TO AS THE STANDARD IS AVAILABLE FOR DOWNLOAD FROM THE DIGITAL CONTENTS DISTRIBUTION WEBPAGE AJJ OR JP ENG PUBLISH INDEX DDON LY HTM OF THE ARCHITECTURAL INSTITUTE OF JAPAN AJJ STRUCTURAL STAINLESS STEEL AND PRESENTED IN AN EQUIVALENT SET OF TABLES TO THOSE IN THE AISC STEEL CONSTRUCTION MANUAL FOR CARBON STEEL SECTIONS THE FOLLOWING STRUCTURAL SECTIONS ARE COVERED IN THIS PUBLICATION W AND S SHAPES C AND MC SHAPES EQUAL ANGLES RECTANGULAR HOLLOW STRUCTURAL SECTIONS HSS SQUARE HSS STEEL CONSTRUCTION MANUAL 14TH ED PRINT MEMBER 200 00 NON MEMBER 400 00 FORMAT HARDCOVER

STEEL CONSTRUCTION MANUAL AMERICAN INSTITUTE OF AISC

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THE STEEL CONSTRUCTION MANUAL IS THE PREMIER REFERENCE FOR STRUCTURAL STEEL DESIGN AND CONSTRUCTION IN THE UNITED STATES IT COVERS THE LATEST CODES STANDARDS AND MATERIALS FOR STEEL CONSTRUCTION AND IS UPDATED EVERY FIVE TO SIX YEARS

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