

Cranes

Steel structures

Verification and analyses

DIN
15 018
Part 1

Kranen; Grundsätze für Stahltragwerke; Berechnung

Supersedes April 1974 edition

In keeping with current practice in standards published by the International Organization for Standardization (ISO), a comma has been used throughout as the decimal marker.

Dimensions in mm

DIN 15 018 Part 1 and Part 2 have been published following an abridged procedure as specified in DIN 820 Part 4, in the form of corrected editions. This method of processing, as well as the corrections that have now been made, were notified and explained in the DIN-Mitteilungen (DIN News) 51, 1982, volume No. 6, pages 480 to 485.

It would have been inadvisable to revise the content of the standard at the present time, in view of the general approval which has greeted its publication, and mainly because of the current discussions on the national basic standards relating to steel structures (DIN 18800); furthermore, the efforts of ISO/TC 95 to achieve an internationally approved ruling with regard to the loads and load combinations which are to be assumed for the verification by calculation of the performance characteristics of cranes, had to be borne in mind.

The principal corrections, including those which have arisen from the processing of the comments received, are described in the Explanatory notes.

Contents

	Page		Page
1 Field of application	2	6.6 Tension members	9
2 Standards and documents referred to	2	6.7 Determination of stresses	9
3 Details to be given for design purposes	2	6.8 Connections and joints	9
4 Design loads	3	6.9 Longitudinal distribution of wheel loads	11
4.1 Main loads	3	7 Verification and analyses	12
4.1.1 Self weights	3	7.1 General	12
4.1.2 Loads arising from bulk materials in bins and on continuous conveyors	3	7.2 General stress analysis	12
4.1.3 Lifting loads	3	7.2.1 Load cases and permissible stresses	12
4.1.4 Effects of vertical inertia forces	3	7.2.2 Combined stresses	12
4.1.5 Inertia forces arising from driving mechanisms	4	7.3 Verification of stability	14
4.1.6 Centrifugal forces	5	7.3.1 General	14
4.1.7 Impact from bulk material	5	7.3.2 Verification of safety against bulging of circular cylindrical shells	14
4.2 Additional loads	5	7.3.3 Safety against bulging	14
4.2.1 Wind loads	5	7.4 Verification of service strength	14
4.2.2 Forces arising from skewing	5	7.4.1 Concepts	14
4.2.3 Thermal effects	7	7.4.2 Loading groups	15
4.2.4 Snow loads	7	7.4.3 Notch cases	15
4.2.5 Loads on walkways, stairways, platforms and hand rails	8	7.4.4 Permissible stresses	17
4.3 Special loads	8	7.4.5 Combined stresses	18
4.3.1 Tethering force arising in crane trolleys with positive guidance of the lifted load	8	7.5 Verification of stability	18
4.3.2 Starter forces	8	8 Holding ropes and guy ropes	18
4.3.3 Test loads	9	9 Tension on prestressed bolts	19
5 Load cases	9	9.1 General	19
6 Calculation	9	9.2 General stress analysis	20
6.1 General	9	9.3 Verification of service strength	21
6.2 Alignment of cranes	9	10 Tables	21
6.3 Inward loads (live loads)	9	10.1 Examples of classification of types of crane into lifting classes and loading groups	21
6.4 Materials	9	10.2 Welds	22
6.5 Cross-sectional values and hole deductions for members and cross-sectional values for welds	9	10.3 Examples of classification of commonly used structural shapes into notch cases	23

Continued on pages 2 to 38

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Background to SANS 10160 Johannes Verster Retief, Peter Dunaiski, 2009-10-01 This book provides practising SA structural design engineers with the background to and justification for the changes proposed in the new SANS 10160 standard

Recommendations of the Committee for Waterfront Structures Harbours and Waterways HTG, 2015-11-09 The EAU 2012 takes into account the new generation of standards which is shortly to be introduced into the building control system it consists of Eurocode 7 the associated national application documents and additional national regulations DIN 1054 2010 In certain cases partial safety factors are determined differently based on experience in practice This means that the safety standard of sea and port buildings remains in place the recommendations nevertheless satisfy the requirements for international recognition and application regarding the planning design specification tender procedure construction and monitoring as well as the handover of and cost accounting for port and waterway systems under uniform criteria

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Travel and Tourism in America Today United States. Congress. House. Committee on Energy and Commerce. Subcommittee on Commerce, Trade, and Consumer Protection, 2003

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Handbook of Mechanical Engineering Heinrich Dubbel, 1994 Dubel's Handbook has provided generations of German speaking engineers with a comprehensive source of guidance and reference on which they can rely throughout their professional lives

DLC Mechanical engineering Annual Book of ASTM Standards ASTM International, American Society

for Testing and Materials,2004 **Fatigue Assessment of Welded Joints by Local Approaches** Dieter Radaj,C M Sonsino,W Fricke,2006-10-30 Local approaches to fatigue assessment are used to predict the structural durability of welded joints to optimise their design and to evaluate unforeseen joint failures This standard work provides a systematic survey of the principles and practical applications of the various methods It covers the hot spot structural stress approach to fatigue in general the notch stress and notch strain approach to crack initiation and the fracture mechanics approach to crack propagation Seam welded and spot welded joints in structural steels and aluminium alloys are also considered This completely reworked second edition takes into account the tremendous progress in understanding and applying local approaches which has been achieved in the last decade It is a standard reference for designers structural analysts and testing engineers who are responsible for the fatigue resistant in service behaviour of welded structures **Civil Engineering** ,1999 Scheme for the Reciprocal Recognition of Tests and Inspections Carried Out on Lifting Appliances European Free Trade Association,1978 **Proceedings of the Jubilee Symposium on High Strength Bolts, 10th and 11th June, 1959** Institution of Structural Engineers (Great Britain),1960 *Welding Research Abroad* ,1998 Proceedings of the International Conference Joining of Metals Osama A. K. Al-Erhayem,1984 Proceedings of the ... International Conference on Offshore Mechanics and Arctic Engineering ,1994 **EAU 1980** Arbeitsausschuss "Ufereinfassungen" (Germany),1982 *Structures with Hollow Sections* Dipak Dutta,2002-06-28 Structures using hollow sections are a special area within steel construction and are often ignored as such in publications This work represents a comprehensive treatment of the whole field from manufacture right up to useful applications in steel construction *Welding of HSLA (microalloyed) Structural Steels* A. B. Rothwell,J. Malcolm Gray,American Society for Metals. Joining Division,Associazione italiana di metallurgia,1978 *Engineering Design in Welded Constructions* International Institute of Welding,1992 This volume contains the complete proceedings of the International Conference on Engineering Design in Welded Constructions part of the 45th Annual Assembly of the International Institute of Welding held in Madrid Spain 5 12 September 1992 Coverage ranges from the rules for engineering design to financial considerations and performance of welded structures The book provides a valuable account of recent advances in the understanding of welding design and performance for structural and mechanical engineers using welding in the construction or repair of structures and machines **Welding Journal** ,1979

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Table of Contents Din 15018 1

1. Understanding the eBook Din 15018 1
 - The Rise of Digital Reading Din 15018 1
 - Advantages of eBooks Over Traditional Books
2. Identifying Din 15018 1
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Din 15018 1
 - User-Friendly Interface
4. Exploring eBook Recommendations from Din 15018 1
 - Personalized Recommendations
 - Din 15018 1 User Reviews and Ratings
 - Din 15018 1 and Bestseller Lists

5. Accessing Din 15018 1 Free and Paid eBooks
 - Din 15018 1 Public Domain eBooks
 - Din 15018 1 eBook Subscription Services
 - Din 15018 1 Budget-Friendly Options
6. Navigating Din 15018 1 eBook Formats
 - ePub, PDF, MOBI, and More
 - Din 15018 1 Compatibility with Devices
 - Din 15018 1 Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Din 15018 1
 - Highlighting and Note-Taking Din 15018 1
 - Interactive Elements Din 15018 1
8. Staying Engaged with Din 15018 1
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Din 15018 1
9. Balancing eBooks and Physical Books Din 15018 1
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Din 15018 1
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Din 15018 1
 - Setting Reading Goals Din 15018 1
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Din 15018 1
 - Fact-Checking eBook Content of Din 15018 1
 - Distinguishing Credible Sources
13. Promoting Lifelong Learning

- Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
14. Embracing eBook Trends
- Integration of Multimedia Elements
 - Interactive and Gamified eBooks

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