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FASTENING TECHNOLOGY MANUAL - HILTI

Latest Direct fastening technology manual Find out more about which Hilti fastening system is right for your trade and build, with detailed technical data on design, applications, approvals, setting instructions and more.

Fastening Technology Manuals & Technical Literature - Hilti

Fastening Technology Manual Dynamic Design for Anchors. Dynamic Design for Anchors page 2 Dynamic Design for Anchors Contents 1. Dynamic loads and applications 3 2. Fatigue 7 2.1 Definition of fatigue load 7 2.2 Materials under fatigue load 8 2.3 Anchor behaviour 10 2.4 Anchor design for fatigue 11 2.4.1 Design load 11 2.4.2 Prestressing force in the anchor 12 2.4.3 Fatigue relevant part of ...

Fastening Technology Manual Dynamic Design for Anchors

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Direct Fastening Technology Manual Direct ... - Hilti

When driving the fastener, the fastening tool needs to be positioned perpendicular to the surface. If c > 75 mm, it is recommended to drive an additional fastener at the other side of the tray. This additional fastener is indicated with (1) in the graph above. X-ENP 9212 / 2013

DX and GX fasteners - Hilti

Anchor Fastening Technology Manual Hilti HIT-HY 170 Injection mortar Version 2015-12 . Hilti HIT-HY 170 mortar for masonry December 21, 2015 2 Hilti HIT-HY 170 mortar for masonry Injection mortar system Benefits Hilti HIT-HY 170 500 ml foil pack (also available as 330 ml foil pack) - chemical injection fastening for the most common types of base materials - hollow and solid clay and calcium ...

Anchor Fastening Technology Manual Hilti HIT-HY 170 ...

Hilti HIT-HY 170 500 ml foil pack (also available as 330 ml foil pack) - suitable for concrete C12/15 to C50/60 - suitable for dry and water saturated concrete - high loading capacity and fast cure - for rebar diameters up to 25 mm - in service temperature range up to 80°C short term/50°C long term - manual cleaning for drill hole sizes ? 18 mm and embedment depth h

Anchor Fastening Technology Manual - Hilti

Volume 1 - Direct Fastening Learn about the Hilti Direct Fastening technology that powers our actuated fasteners. This technical guide includes the technical data you need for general fastening to concrete or steel, ceiling fastening systems, grating and checkerplate fastening systems, steel deck fastening systems, and screw fastening systems.

Product Technical Guides - Hilti USA

464 These pages are part of the Anchor Fastening Technology Manual issue September 2014 ... European technical approval a) DIBt, Berlin ETA-03/0032 / 2013-06-04 Approval for shockproof fastenings in civil defence installations Federal Office for Cici Protection, Bern BZS D 09-602 / 2009-10-28 Fatigue loading DIBt, Berlin Z-21.3-1692 / 2013-07-19 Fire test report ZTV-Tunnel IBMB, Braunschweig ...

HVZ (HVU-TZ + HAS-TZ) adhesive anchor system - hilti.co.uk

Hilti anchor fastening technology manual - free hilti anchor fastening technology manual at greenbookee.org User manual HILTI DD130 tions on the HILTI DD130 in the user manual Green Bookee 2013-2015 Hilti - product technical guides and manuals New generation concrete screw anchors Hilti's new solutions to temporary and permanent applications.

[PDF] Fastening technology manual hilti 2013: veteransklarae

These pages are part of the Anchor Fastening Technology Manual issue September 2014 09 / 201 4 148 HST Stud anchor Anchor version Benefits ETA C1/C2 approval HST Carbon steel HST-R Stainless steel HST-HCR High corrosion resistance steel - suitable for non-cracked and cracked concrete C 20/25 to C 50/60 - highly reliable and safe anchor for structural seismic design with - quick and simple ...

HST Stud anchor - Hilti

Home - Hilti United Kingdom

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556 These pages are part of the Anchor Fastening Technology Manual issue September 2014 09 / 2014 Hilti HIT-RE 500 mortar with HIT-V / HAS rod Injection mortar system Benefits Hilti HIT-RE 500 330 ml foil pack (also available as 500 ml and 1400 ml foil pack) -SAFEset technology: drilling and borehole cleaning in one step with Hilti hollow drill bit - suitable for non-cracked concrete C 20/25 ...

Hilti HIT-RE 500 mortar with HIT-V / HAS rod

12 / 2013 291 The direct fastening system Hilti tools All Hilti tools supplied for construction appli-cations are low-velocity, indirect-acting tools. Indirect-acting tools operate according to one of three different principles –co-acting, impact or contact operation – which each affect the operating characteristics and the application limit of the system. It should be noted that 100% co ...

Part 5 - Hilti

610 These pages are part of the Anchor Fastening Technology Manual issue September 2014 ... Hilti SAFEset technology with HIT-Z rod European Technical Approval CE conformity PROFIS Anchor design software Approvals / certificates Description Authority / Laboratory No. / date of issue European technical approval a) DIBt, Berlin ETA-12/0006 / 2013-03-15 (HIT-HY 200-A) ETA-12/0028 / 2013-03-15 ...

Hilti HIT-HY 200 mortar with HIT-Z rod

12 / 2013 87 X-ENP C X-ENP Siding and Decking Nail General information Material specifications Carbon steel shank: HRC 58 Zinc coating: 8–16 ?m Recommended fastening tools Single nail: DX 76 F15, X-ENP-19 L15 DX 76 PTR with X-76-F15-PTR fastener guide DX 76 MX, Collated nails: DX 76 PTR X-ENP-19 L15 MX, white magazine strip DX 860-ENP X-ENP-19 L15 MXR, grey magazine strip See Tools and ...

X-ENP Siding and Decking Nail - Hilti

Anchor technology and design. Hilti. Outperform. Outlast. FTM_2014.indb 7 28/03/14 12:34 PM. page 8 February 2014 Anchor selector Anchor selector Anchor type Base material Fire tested Application Cracked concrete Uncracked concrete Solid brick masonry Hollow brick masonry Mechanical anchor systems Heavy duty anchors HDA-T/ -TR/TF/-P/-PR/-PF undercut anchor Anchor fastening for high loads e.g ...

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Recent Trends in Cold-Formed Steel Construction discusses advancements in an area that has become an important construction material for buildings. The book addresses cutting-edge new technologies and design methods using cold-formed steel as a main structural material, and provides technical guidance on how to design and build sustainable and energy-efficient cold-formed steel buildings. Part One of the book introduces the codes, specifications, and design methods for cold-formed steel structures, while Part Two provides computational analysis of cold-formed steel structures. Part Three examines the structural performance of cold-formed steel buildings and reviews the thermal performance, acoustic performance, fire protection, floor vibrations, and blast resistance of these buildings, with a final section reviewing innovation and sustainability in cold-formed steel construction. Addresses building sciences issues and provides performance solutions for cold-formed buildings Provides guidance for using the next generation design method, computational tools, and technologies Edited by an experienced researcher and educator with significant knowledge on new developments in cold-formed steel construction

The formation of a functional and safe technical rescue team, whether single- or multi-discipline, requires careful planning, a large time commitment from the team members, equipment research and acquisition, risk analysis, training, and funding. This manual provides guidance on how to for a technical rescue team.

This Proceedings contains the papers of the fib Symposium "CONCRETE Innovations in Materials, Design and Structures", which was held in May 2019 in Kraków, Poland. This annual symposium was co-organised by the Cracow University of Technology. The topics covered include Analysis and Design, Sustainability, Durability, Structures, Materials, and Prefabrication. The fib, Fédération internationale du béton, is a not-for-profit association formed by 45 national member groups and approximately 1000 corporate and individual members. The fib's mission is to develop at an international level the study of scientific and practical matters capable of advancing the technical, economic, aesthetic and environmental performance of concrete construction. The fib, was formed in 1998 by the merger of the Euro-International Committee for Concrete (the CEB) and the International Federation for Prestressing (the FIP). These predecessor organizations existed independently since 1953 and 1952, respectively.

Fastening Technology Manual Hilti 2013

Although many fastenings are installed every day, engineers' understanding of their behaviour is limited, and there is no generally accepted design method. This design guide is based on a safety concept using partial safety factors taken from the CEB/FIB Model Code 1990.

International Law Reports is the only publication in the world wholly devoted to the regular and systematic reporting in English of courts and arbitrators, as well as judgements of national courts.

The Third Edition of the Steel Deck Institute Manual of Construction with Steel Deck (MOC3) continues the tradition established by earlier editions to provide information necessary for the proper usage of steel deck. This edition is reformatted for easier use with updated references, including those for the SDI QA/QC Standard for Quality Control and Quality Assurance of Steel Deck.

Zentrale Themen des Stahlbau-Kalender 2019 sind Verbindungen im Stahlbau sowie Digitales Planen und Bauen. Verbindungen sind ein Innovationstreiber im Stahlbau. Die richtige Auswahl und Detaillausbildung kann die Wirtschaftlichkeit von Stahlkonstruktionen erhöhen. Das Buch stellt anwendungsbereites Wissen mit zahlreichen Beispielen zur Verfügung. Auf die Methoden und Vorgehensweisen zur Bemessung und konstruktiven Durchbildung verschiedener Verbindungsarten wird in sechs Beiträgen ausführlich eingegangen. Die Verwendung vorgefertigter Zugstabsysteme bei filigranen Stahl-Glas-Konstruktionen für Fassaden, Dachtragwerke oder Fußgängerbrücken hat in den letzten Jahren zugenommen. Besonders wichtig für die Praxis sind z. B. die neuen Entwicklungen bei vorgespannten geschraubten Verbindungen. Auch Setzbolzen und Metallschrauben weisen eine breite Anwendungspalette im Stahlbau und Metalleichtbau auf. Gussknoten ermöglichen aufgrund der freien Formbarkeit den optimalen Einsatz von Hohlprofilen, auch bei geometrisch komplizierten Tragstrukturen. Mit tragenden Klebverbindungen werden neuartige Konstruktionen und Mischbauweisen im Konstruktiven Ingenieurbau hervorgebracht. Damit einher geht das Erfordernis des werkstoffgerechten Konstruierens als Voraussetzung für dauerhafte und wirtschaftliche Tragwerke. Was digitales Planen und Bauen konkret für den Stahlbau und die Werkstattfertigung bedeutet, wird in drei praxisbezogenen Beiträgen dargestellt. Der Stahlbau-Kalender dokumentiert und kommentiert verlässlich den aktuellen Stand des deutschen Stahlbau-Regelwerkes. Das Buch ist ein Wegweiser für die richtige Berechnung und Konstruktion im gesamten Stahlbau mit neuen Themen in jeder Ausgabe. Herausragende Autoren aus der Industrie, aus Ingenieurbüros und aus der Forschung vermitteln Grundlagen und geben praktische Hinweise.

This manual is intended for use as a training guide and reference text for engineer personnel responsible for planning and executing theater of operations (TO) construction. It provides techniques and procedures for frame construction, preparation and use of bills of materials (BOMs), building layout, forming for concrete slabs and foundations, framing and finish carpentry, roof framing and coverings, bridge and wharf construction, and the materials used for these operations. Chapter 1 is Construction Drawings Chapter 2 is Construction Planning and Materials Chapter 3 is Bill of Materials Chapter 4 is Building Layout and Foundation Chapter 5 is Forms for Concrete Chapter 6 is Rough Framing Chapter 7 is Rough Systems and Coverings Chapter 8 is Doors and Windows Chapter 9 is Finish Carpentry Chapter 10 is Nonstandard Fixed Bridge Chapter 11 is Timber-Pile Wharves Appendix A is Conversion Tables Appendix B is Carpentry Abbreviations and Symbols Appendix C is Manpower Estimates Appendix D is General Information

Data is the foundation of the digital economy. Industry 4.0 and digital services are producing so far unknown quantities of data and make new business models possible. Under these circumstances, data quality has become the critical factor for success. This book presents a holistic approach for data quality management and presents ten case studies about this issue. It is intended for practitioners dealing with data quality management and data governance as well as for scientists. The book was written at the Competence Center Corporate Data Quality (CC CDQ) in close cooperation between researchers from the University of St. Gallen and Fraunhofer IML as well as many representatives from more than 20 major corporations. Chapter 1 introduces the role of data in the digitization of business and society and describes the most important business drivers for data quality. It presents the Framework for Corporate Data Quality Management and introduces essential terms and concepts. Chapter 2 presents practical, successful examples of the management of the quality of master data based on ten cases studies that were conducted by the CC CDQ. The case studies cover every aspect of the Framework for Corporate Data Quality Management. Chapter 3 describes selected tools for master data quality management. The three tools have been distinguished through their broad applicability (method for DQM strategy development and DQM maturity assessment) and their high level of innovation (Corporate Data League). Chapter 4 summarizes the essential factors for the successful management of the master data quality and provides a checklist of immediate measures that should be addressed immediately after the start of a data quality management project. This guarantees a quick start into the topic and provides initial recommendations for actions to be taken by project and line managers. Please also check out the book's homepage at <http://www.cdq-book.org/>

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