## mechanical splices for rebar

mechanical splices for rebar play a crucial role in modern construction by providing reliable, efficient, and safe methods to join reinforcing bars (rebar) in concrete structures. These splices serve as an alternative to traditional lap splicing, enabling engineers and contractors to achieve continuity in reinforcement without the excessive congestion and material usage that lap splices often require. Mechanical splices for rebar enhance structural integrity, improve construction speed, and comply with stringent building codes and standards. This article explores the types, benefits, design considerations, installation procedures, and applications of mechanical splices within the context of reinforced concrete construction. Understanding these aspects is essential for structural engineers, contractors, and inspectors aiming to optimize performance and durability in reinforced concrete projects. The following sections will provide a comprehensive overview of mechanical splices for rebar, beginning with their definition and types, followed by design and installation guidelines, benefits, and common applications.

- What Are Mechanical Splices for Rebar?
- Types of Mechanical Splices
- Design Considerations for Mechanical Splices
- Installation Procedures and Best Practices
- Advantages of Using Mechanical Splices
- Applications in Construction

## What Are Mechanical Splices for Rebar?

Mechanical splices for rebar are engineered connectors designed to join two reinforcing bars end-toend in a manner that transfers load efficiently across the joint. Unlike traditional lap splices, which rely on overlapping bars and concrete bond, mechanical splices use specialized couplers or devices that physically connect the bars, ensuring tensile and compressive forces are effectively transmitted. These splices are especially valuable in areas where space is limited, or higher strength and reliability are required. They are commonly used in bridges, high-rise buildings, and seismic zones where structural performance is critical.

## **Purpose and Functionality**

The primary purpose of mechanical splices is to replace or supplement lap splicing by creating a direct mechanical connection between rebars. This connection must meet or exceed the strength of the bars themselves, providing continuous reinforcement through the splice. Mechanical splices facilitate easier handling of rebar on-site, reduce congestion, and help maintain the designed structural capacity.

## **Comparison with Traditional Splicing Methods**

Traditional lap splicing involves overlapping bars by a certain length, relying on concrete adhesion and friction to transfer loads. Mechanical splices, however, provide a positive mechanical connection that does not depend on concrete bond strength. This results in reduced lap lengths and less rebar congestion, improving concrete flow and reducing construction time.

## **Types of Mechanical Splices**

There are several types of mechanical splices for rebar, each designed to meet specific project requirements and structural demands. Selection depends on factors such as bar size, load conditions, and installation environment.

## **Threaded Couplers**

Threaded couplers connect rebars by threading the ends of the bars and screwing them into a coupler. This method provides a strong and reliable connection capable of transmitting full bar strength. Threaded couplers are widely used for their ease of installation and compatibility with various bar sizes.

## **Swaged Couplers**

Swaged couplers use a mechanical process to deform the coupler around the rebar ends, creating a tight grip. This method is fast and does not require threading the bars, which can save time and cost on-site. Swaged couplers are suitable for a range of bar sizes and are often favored in precast concrete applications.

## **Grouted Couplers**

Grouted couplers involve inserting rebar ends into a hollow coupler filled with high-strength grout or epoxy. Once cured, the grout provides a strong bond between the bars. This system is particularly useful in repair work or retrofit projects where existing bars need to be joined.

## **Mechanical Sleeve Splices**

Mechanical sleeve splices consist of a cylindrical sleeve that slides over the bar ends and is then mechanically locked or crimped in place. These splices are simple to install and offer consistent performance across different construction environments.

## **Design Considerations for Mechanical Splices**

Effective design of mechanical splices for rebar requires careful attention to structural requirements, material compatibility, and compliance with relevant codes and standards.

## **Load Transfer Capacity**

Mechanical splices must be capable of transferring axial loads equal to or greater than the yield strength of the connected rebars. Engineers must verify that the splice design meets tensile, compressive, and shear load requirements under service and ultimate load conditions.

## **Compatibility with Rebar Types and Sizes**

Designers must ensure the mechanical splice is compatible with the specific grade, diameter, and deformation pattern of the reinforcing bars. Using incompatible splices can lead to premature failure or reduced structural capacity.

#### **Durability and Corrosion Resistance**

Mechanical splices are often exposed to harsh environments, including moisture and chemicals. Selecting materials with appropriate corrosion resistance, such as galvanized or stainless steel couplers, is essential for long-term durability.

## **Compliance with Building Codes**

Mechanical splices must comply with relevant building codes such as ACI (American Concrete Institute) standards, ASTM specifications, and local regulations. These codes provide guidelines on splice strength, testing, and quality control to ensure safety and reliability.

## **Installation Procedures and Best Practices**

Proper installation of mechanical splices is critical to achieving the intended performance and structural integrity. Following manufacturer instructions and industry best practices ensures consistent, high-quality results.

## **Preparation of Rebar Ends**

Before installation, rebar ends must be properly prepared. This may include cutting, threading, cleaning, or surface treatment depending on the splice type. Clean, undamaged bar ends maximize the effectiveness of the mechanical connection.

#### **Alignment and Positioning**

Accurate alignment of rebar ends within the splice is essential. Misalignment can reduce load transfer capacity and complicate concrete placement. Positioning must allow for proper engagement of the splice components.

## **Torque and Tensioning Requirements**

Certain mechanical splices, such as threaded couplers, require specific torque values during installation to ensure a secure connection. Using calibrated tools and adhering to torque specifications is necessary to avoid under- or over-tightening.

## **Quality Control and Inspection**

Inspection during and after installation verifies that mechanical splices meet design and code requirements. Common quality control measures include visual inspections, torque testing, and, in some cases, nondestructive testing methods.

## **Advantages of Using Mechanical Splices**

Mechanical splices offer several benefits over traditional splicing methods, making them a preferred choice in many construction projects.

- **Reduced Lap Lengths:** Mechanical splices require significantly shorter lap lengths, reducing rebar congestion and improving concrete placement.
- Improved Structural Performance: They provide full-strength connections that can meet or exceed the strength of the reinforcing bars.
- **Faster Installation:** Installation times are often shorter compared to traditional lap splicing, accelerating project schedules.
- Material Savings: Less rebar quantity is needed due to reduced overlap, lowering material costs.
- Enhanced Seismic Resistance: Mechanical splices maintain integrity under cyclic loading, improving earthquake resilience.
- Versatility: Suitable for use in precast, cast-in-place, and retrofit applications.

## **Applications in Construction**

Mechanical splices for rebar are widely used across various construction sectors due to their reliability and efficiency.

## **High-Rise Buildings**

In tall structures, space constraints and complex reinforcement layouts make mechanical splices

ideal for ensuring continuous load transfer without excessive congestion.

## **Bridges and Infrastructure**

Bridges and other infrastructure projects benefit from mechanical splices because of their ability to provide durable and strong connections capable of withstanding heavy loads and dynamic forces.

## **Seismic Zones**

Regions prone to earthquakes require mechanical splices that maintain strength and ductility under cyclic loading, helping to prevent structural failure during seismic events.

#### **Precast Concrete**

Mechanical splices are commonly used in precast concrete elements to join factory-produced components efficiently on-site, improving construction speed and quality.

## Repair and Retrofit

Mechanical splices provide a practical solution for joining new reinforcement to existing bars during repair or retrofit projects, allowing for enhanced structural upgrades.

## **Frequently Asked Questions**

## What are mechanical splices for rebar?

Mechanical splices for rebar are connectors used to join two reinforcing bars end-to-end, providing a continuous load path and structural integrity without the need for overlapping bars.

## What types of mechanical splices are commonly used for rebar?

Common types of mechanical splices include threaded couplers, swaged couplers, wedge-type couplers, and grouted couplers, each designed for specific applications and load requirements.

# What are the advantages of using mechanical splices over traditional lap splices?

Mechanical splices reduce the amount of rebar congestion, save space, improve constructability, provide consistent strength, and often result in lower material and labor costs compared to traditional lap splices.

## Are mechanical splices suitable for seismic applications?

Yes, many mechanical splices are designed and tested to meet seismic performance requirements, ensuring reliable performance under cyclic loading conditions in earthquake-prone areas.

## How is the quality of a mechanical splice ensured during installation?

Quality is ensured through proper alignment, correct assembly procedures, torque verification for threaded splices, and inspection according to manufacturer guidelines and relevant code requirements.

# Can mechanical splices be used with different rebar sizes or types?

Mechanical splices are generally designed for specific rebar sizes and grades; however, some couplers can accommodate slight variations or transition between different bar sizes, but it is essential to verify compatibility with the manufacturer.

#### **Additional Resources**

- $1.\ Mechanical\ Splices\ for\ Reinforcing\ Bars:\ Principles\ and\ Practices$
- This book offers a comprehensive overview of the fundamental principles behind mechanical splicing techniques for reinforcing bars. It covers various splice types, design considerations, and installation procedures. Engineers and construction professionals will find practical guidelines to ensure structural integrity and compliance with industry standards.
- 2. Rebar Connection Methods: Mechanical Splicing and Welding
  Focusing on the comparative analysis of mechanical splicing and welding methods, this book
  provides detailed insights into their applications, advantages, and limitations. Case studies illustrate
  real-world implementations, helping readers choose the most suitable connection method for
  different construction scenarios.
- 3. Design and Detailing of Mechanical Splices in Concrete Structures
  This text delves into the design criteria and detailing practices for mechanical splices used in reinforced concrete structures. It emphasizes code requirements, load transfer mechanisms, and quality control to ensure reliable performance. Structural engineers will benefit from the step-by-step design examples included.
- 4. Mechanical Splicing Systems: Technology and Innovations
  Highlighting the latest advancements in mechanical splicing technology, this book explores
  innovative systems and materials that enhance connection strength and durability. It discusses
  emerging trends, testing methods, and implementation challenges, making it a valuable resource for
  researchers and designers in the field.
- 5. Construction Techniques for Mechanical Splicing of Rebar
  This practical guide focuses on the on-site aspects of mechanical splicing, including installation procedures, inspection, and troubleshooting. It offers tips for ensuring splice quality and consistency

during construction, targeting contractors, supervisors, and quality assurance personnel.

- 6. Code Compliance and Standards for Mechanical Splices in Rebar
- A detailed examination of international codes and standards governing mechanical splices, this book helps practitioners understand regulatory requirements and best practices. It compares different regional standards and provides guidance on achieving compliance in diverse construction environments.
- 7. Structural Performance of Mechanical Splices Under Load

This book investigates the behavior of mechanical splices under various loading conditions through experimental studies and analytical models. It aids in understanding failure modes, fatigue resistance, and long-term durability, supporting engineers in designing safer and more resilient structures.

- 8. Quality Control and Testing of Mechanical Splices for Reinforcement Bars
  Focusing on quality assurance, this book outlines testing protocols and inspection techniques to
  verify the performance of mechanical splices. It covers non-destructive testing methods, acceptance
  criteria, and documentation practices essential for maintaining high standards in construction
  projects.
- 9. Case Studies in Mechanical Splice Applications for Infrastructure Projects
  Featuring a collection of real-world case studies, this book showcases successful implementations of mechanical splices in various infrastructure projects such as bridges, tunnels, and high-rise buildings. It highlights challenges faced, solutions adopted, and lessons learned, providing valuable insights for practitioners.

## **Mechanical Splices For Rebar**

Find other PDF articles:

mechanical splices for rebar: Types of Mechanical Splices for Reinforcing Bars American Concrete Institute, 2007-01-01

mechanical splices for rebar: Recommendations for mechanical splices of reinforcing bars for spacers chairs and tying of steel reinforcement reliability considerations for hydraulic variables FIB - International Federation for Structural Concrete, 1990-09-01

mechanical splices for rebar: Recommendations for Mechanical Splices of Reinforcing Bars. Recommendations for Spacers, Chairs and Tying of Steel Reinforcement. Reliability Considerations for Hydraulic Variables FIB - International Federation for Structural Concrete, 1990

mechanical splices for rebar: Reinforcement for Modern Concrete Structures Khan Mahmud Amanat, 2025-03-26 There are a lot of excellent textbooks on the design of reinforced concrete structures. However, based on professional experience of more than thirty years, the author feels that a separate book dedicated only to discuss the properties, behavior and use of reinforcement in concrete construction is highly justified. Conventional textbooks on concrete

structures focus primarily on the mechanics of reinforced concrete design. Properties of reinforcement are discussed in a limited manner – only those which are deemed just adequate for discussing the theory of concrete mechanics. Typically, such books contain little or no background information or explanation as to why the various code provisions or rules regarding the reinforcement are imposed or formulated. It is observed that the application of modern materials and technologies in reinforcement manufacturing does not get proper attention or consideration in the engineering practices of many professionals. Based on the interaction with many engineers engaged in the design and construction of concrete structures, the author feels that there is a lack of the essential background knowledge of the engineering properties and behavior of concrete reinforcement among many of them. And such a lack of knowledge often leads to improper implementation of the code design provisions. Limited scope of our existing engineering curricula is primarily responsible for this. This book has been written with an aim to fill this gap and to make engineering students and practicing engineers more up-to-date.

mechanical splices for rebar: The Contractor's Guide to Quality Concrete Construction ,  $2005\,$ 

mechanical splices for rebar: Contractor's Guide to the Building Code Jack M. Hageman, 2008 Don't let your jobs be held up by failing code inspections. Smooth sign-off by the inspector is the goal, but to make this ideal happen on your job site, you need to understand the requirements of latest editions of the International Building Code and the International Residential Code. Understanding what the codes require can be a real challenge. This new, completely revised Contractor's Guide to the Building Code cuts through the legalese of the code books. It explains the important requirements for residential and light commercial structures in plain, simple English so you can get it right the first time.

mechanical splices for rebar: Analysis of Mechanically Spliced Tension Connections M. T. Peabody, 1993

mechanical splices for rebar: Evaluation of Offset Mechanical Reinforcing Bar Splice Systems  $\mbox{Keith L. Coogler}, 2006$ 

mechanical splices for rebar: Recommendations for mechanical splices of reinforcing bars . 1990

mechanical splices for rebar: Structural Concrete Textbook Vol. 1, first edition fib Fédération internationale du béton, 1999-01-01 The development of reinforced and prestressed concrete during the last 50 years was highly promoted by the "Comité Euro-international du Béton (CEB)" and the "Fédération Internationale de la Précontrainte (FIP)". In 1998 these two associations merged, forming the "Fédération Internationale du Béton (fib)". The results of CEB and FIP had been distributed in different ways, such as 'CEB Bulletins d'Information', FIP-Reports, FIP-Notes and CEB-News. These Bulletins or reports comprised various kinds of information, such as State-of-the-Art-Reports, Research Reports, Application Manuals, Guides to Good Practice and the CEB/FIP Model Codes 1978 and 1990. These Model Codes provided design principles and application rules to the structural engineering profession and have been predominantly used for code drafting by many national and international standardizing bodies. The Textbook on Structural Concrete is now intended to provide background information and justification especially for the CEB/FIP Model Code 90 and in some fields of recently extended knowledge. It is addressed to advanced students: this means that basic information on structural analysis and behaviour of structural concrete is a required prerequisite. Practising structural engineers may utilize it for gaining background information on the CEB/FIP Model Code 90 (and national or regional codes as for ex. EUROCODE 2, based on MC 90). The Textbook is also conceived to assist teachers at technical universities or engineering schools to achieve better understanding of the recent theories on structural concrete. Having these targets in mind the General Assembly of CEB decided already in 1995 to set-up a Special Activity Group "Dissemination of Knowledge" to realise that work. The authors invited to draft the different chapters had been mostly involved already in drafting the Model Code 90. In this way consistent information could be provided, both for the code and the

textbook. Each chapter has been thoroughly discussed and commented within the Special Activity Group 2. This textbook was first presented to fib members during the Technical Activity Workshop in October 1999 in Prague, held in connection with the first fib symposium. The authors are looking forward to receiving comments from various corners.

mechanical splices for rebar: Dynamic Tests of Large Reinforcing Bar Splices William J. Flathau, 1971

mechanical splices for rebar: Bridge Engineering Handbook Wai-Fah Chen, Lian Duan, 2023-01-06 First Published in 1999: The Bridge Engineering Handbook is a unique, comprehensive, and state-of-the-art reference work and resource book covering the major areas of bridge engineering with the theme bridge to the 21st century. This third volume includes sections covering construction and maintenance, special topics, and worldwide practice.

**mechanical splices for rebar:** <u>Analysis of Bar-Grip Spliced Reinforcing Steel Bars</u> M. T. Peabody, 1983

mechanical splices for rebar: Federally Coordinated Program of Highway Research and Development , 1986

mechanical splices for rebar: Federally Coordinated Program of Highway Research, Development and Technology , 1986

**mechanical splices for rebar:** *Bridge Engineering* W.F. Chen, Lian Duan, 2003-02-27 The Principles and Application in Engineering Series is a series of convenient, economical references sharply focused on particular engineering topics and subspecialties. Each volume in this series comprises chapters carefully selected from CRC's bestselling handbooks, logically organized for optimum convenience, and thoughtfully priced to fit ever

mechanical splices for rebar: 4th International PHD Symposium in Munich Germany FIB – International Federation for Structural Concrete, 2002-09-01

mechanical splices for rebar: Federal Register, 2003-03

mechanical splices for rebar: Design of Concrete Structure EduGorilla Prep Experts, 2024-10-08 EduGorilla Publication is a trusted name in the education sector, committed to empowering learners with high-quality study materials and resources. Specializing in competitive exams and academic support, EduGorilla provides comprehensive and well-structured content tailored to meet the needs of students across various streams and levels.

mechanical splices for rebar: Proceedings of the International Conference on Geosynthetics and Environmental Engineering Han-Yong Jeon, 2023-10-02 This book presents selected papers from the Proceedings of the International Conference on Geosynthetics and Environmental Engineering, ICGEE 2023, held in Jeju Island, South Korea, covering topic areas in geosynthetic applications and sustainability; civil and structural engineering; and environmental engineering and science. The published articles cover the latest research studies with the focus of discussing the relationship between geotechnical materials and environmental engineering in depth to solve complex geosynthetics issues in civil and environmental engineering. It also highlights state-of-the-art technologies adopted by the relevant industries which are not only commercially viable but also environmentally sustainable. The content of the papers appeals to researchers and industrial practitioners working in the field of geoengineering.

## Related to mechanical splices for rebar

**Department of Mechanical Engineering College of Engineering** Our mechanical engineering students and faculty are working on research focusing on controls, robotics, and automation. This year, we launched a rocket that will collect data to aid future

**Mechanical and Electrical Engineer Consultants** | **HVAC, MEP,** Our team encompasses everything needed to see a job through from start to finish including: mechanical engineering, electrical engineering, plumbing, and fire protection. Responding

**Mechanical Services | Kaizen Mechanical Services** Providing mechanical services for the greater Lafayette and surrounding areas. Call today for a quote and more information

**MECHANICAL Definition & Meaning - Merriam-Webster** The meaning of MECHANICAL is of or relating to machinery or tools. How to use mechanical in a sentence. Synonym Discussion of Mechanical

**HVAC Service & Installation | Lake Charles, Baton Rouge, LA** At Calcasieu Mechanical Contractors, Inc., we understand how challenging it is to find a reputable commercial HVAC company in Lafayette. We have large-scale construction capabilities for

**Mechanical engineering - Wikipedia** The application of mechanical engineering can be seen in the archives of various ancient and medieval societies. The six classic simple machines were known in the ancient Near Eas

**Mechanical Contractors in Lafayette, LA - The Real Yellow Pages** From Business: Star Service is a progressive HVAC contractor founded in 1952. We are committed to providing excellent service, maintenance and design-build of air conditioning 2.

**Mechanical Engineering 4-Year Plan** Find more information and see all MCHE degree plan options

**Moulis Mechanical | Home** We are a locally owned and family operated business since 1984. Our top qualified staff is ready and willing to assist with any project, no matter the requirements. For over 30 years we have

**Preferred Group | Mechanical, Civil & Ironworks | Central Louisiana** Preferred Group specializes in mechanical, civil, and ironworks construction for your commercial, industrial, or municipal needs. Contact us for a quote

**Department of Mechanical Engineering College of Engineering** Our mechanical engineering students and faculty are working on research focusing on controls, robotics, and automation. This year, we launched a rocket that will collect data to aid future

**Mechanical and Electrical Engineer Consultants | HVAC, MEP,** Our team encompasses everything needed to see a job through from start to finish including: mechanical engineering, electrical engineering, plumbing, and fire protection. Responding

**Mechanical Services | Kaizen Mechanical Services** Providing mechanical services for the greater Lafayette and surrounding areas. Call today for a quote and more information

**MECHANICAL Definition & Meaning - Merriam-Webster** The meaning of MECHANICAL is of or relating to machinery or tools. How to use mechanical in a sentence. Synonym Discussion of Mechanical

**HVAC Service & Installation** | **Lake Charles, Baton Rouge, LA** At Calcasieu Mechanical Contractors, Inc., we understand how challenging it is to find a reputable commercial HVAC company in Lafayette. We have large-scale construction capabilities for

**Mechanical engineering - Wikipedia** The application of mechanical engineering can be seen in the archives of various ancient and medieval societies. The six classic simple machines were known in the ancient Near Eas

**Mechanical Contractors in Lafayette, LA - The Real Yellow Pages** From Business: Star Service is a progressive HVAC contractor founded in 1952. We are committed to providing excellent service, maintenance and design-build of air conditioning 2.

**Mechanical Engineering 4-Year Plan** Find more information and see all MCHE degree plan options

**Moulis Mechanical | Home** We are a locally owned and family operated business since 1984. Our top qualified staff is ready and willing to assist with any project, no matter the requirements. For over 30 years we have

**Preferred Group | Mechanical, Civil & Ironworks | Central Louisiana** Preferred Group specializes in mechanical, civil, and ironworks construction for your commercial, industrial, or municipal needs. Contact us for a quote

**Department of Mechanical Engineering College of Engineering** Our mechanical engineering students and faculty are working on research focusing on controls, robotics, and automation. This year, we launched a rocket that will collect data to aid future

**Mechanical and Electrical Engineer Consultants** | **HVAC, MEP,** Our team encompasses everything needed to see a job through from start to finish including: mechanical engineering, electrical engineering, plumbing, and fire protection. Responding

**Mechanical Services | Kaizen Mechanical Services** Providing mechanical services for the greater Lafayette and surrounding areas. Call today for a quote and more information

**MECHANICAL Definition & Meaning - Merriam-Webster** The meaning of MECHANICAL is of or relating to machinery or tools. How to use mechanical in a sentence. Synonym Discussion of Mechanical

**HVAC Service & Installation | Lake Charles, Baton Rouge, LA** At Calcasieu Mechanical Contractors, Inc., we understand how challenging it is to find a reputable commercial HVAC company in Lafayette. We have large-scale construction capabilities for

**Mechanical engineering - Wikipedia** The application of mechanical engineering can be seen in the archives of various ancient and medieval societies. The six classic simple machines were known in the ancient Near Eas

**Mechanical Contractors in Lafayette, LA - The Real Yellow Pages** From Business: Star Service is a progressive HVAC contractor founded in 1952. We are committed to providing excellent service, maintenance and design-build of air conditioning 2.

**Mechanical Engineering 4-Year Plan** Find more information and see all MCHE degree plan options

**Moulis Mechanical | Home** We are a locally owned and family operated business since 1984. Our top qualified staff is ready and willing to assist with any project, no matter the requirements. For over 30 years we have

**Preferred Group | Mechanical, Civil & Ironworks | Central Louisiana** Preferred Group specializes in mechanical, civil, and ironworks construction for your commercial, industrial, or municipal needs. Contact us for a quote

**Department of Mechanical Engineering College of Engineering** Our mechanical engineering students and faculty are working on research focusing on controls, robotics, and automation. This year, we launched a rocket that will collect data to aid future

**Mechanical and Electrical Engineer Consultants** | **HVAC**, **MEP**, Our team encompasses everything needed to see a job through from start to finish including: mechanical engineering, electrical engineering, plumbing, and fire protection. Responding

**Mechanical Services | Kaizen Mechanical Services** Providing mechanical services for the greater Lafayette and surrounding areas. Call today for a quote and more information

**MECHANICAL Definition & Meaning - Merriam-Webster** The meaning of MECHANICAL is of or relating to machinery or tools. How to use mechanical in a sentence. Synonym Discussion of Mechanical

**HVAC Service & Installation** | **Lake Charles, Baton Rouge, LA** At Calcasieu Mechanical Contractors, Inc., we understand how challenging it is to find a reputable commercial HVAC company in Lafayette. We have large-scale construction capabilities for

**Mechanical engineering - Wikipedia** The application of mechanical engineering can be seen in the archives of various ancient and medieval societies. The six classic simple machines were known in the ancient Near Eas

**Mechanical Contractors in Lafayette, LA - The Real Yellow Pages** From Business: Star Service is a progressive HVAC contractor founded in 1952. We are committed to providing excellent service, maintenance and design-build of air conditioning 2.

**Mechanical Engineering 4-Year Plan** Find more information and see all MCHE degree plan options

**Moulis Mechanical** | **Home** We are a locally owned and family operated business since 1984. Our top qualified staff is ready and willing to assist with any project, no matter the requirements. For over 30 years we have

Preferred Group | Mechanical, Civil & Ironworks | Central Louisiana Preferred Group

specializes in mechanical, civil, and ironworks construction for your commercial, industrial, or municipal needs. Contact us for a quote

## Related to mechanical splices for rebar

**Rebar Inspection Tutorial On CD** (Engineering News-Record22y) A CD-ROM has come out that provides a detailed video tutorial for learning about inspecting installations of concrete reinforcing bars. Field Inspection of Reinforcing Bars discusses in detail

**Rebar Inspection Tutorial On CD** (Engineering News-Record22y) A CD-ROM has come out that provides a detailed video tutorial for learning about inspecting installations of concrete reinforcing bars. Field Inspection of Reinforcing Bars discusses in detail

Back to Home: http://www.devensbusiness.com