

# (JT) Journeyman Rigger's Reference Card

## Sling Capacities

MECHANICAL SPLICE IN POUNDS

DESIGN FACTOR 5:1

|                           | Size in inches | 1:2 Vertical | 1:2 Loop or Basket 90° 1:2 | 60° 1:2 | 45° 1:2 | 30° 1:2 | 1:2 Loop Only if 1:2 min 90° | Size in mm |
|---------------------------|----------------|--------------|----------------------------|---------|---------|---------|------------------------------|------------|
| Wire Rope 1/2" (12.7mm)   | 1/4            | 1,300        | 960                        | 2,600   | 2,200   | 1,820   | 1,300                        | 6.4        |
|                           | 5/16           | 2,000        | 1,480                      | 4,000   | 3,400   | 2,800   | 2,000                        | 8.0        |
|                           | 3/8            | 2,800        | 2,200                      | 5,600   | 5,000   | 4,000   | 2,800                        | 9.6        |
|                           | 7/16           | 3,600        | 2,800                      | 7,600   | 6,800   | 5,400   | 3,600                        | 11.0       |
|                           | 1/2            | 5,000        | 3,800                      | 10,000  | 8,800   | 7,200   | 5,000                        | 12.0       |
|                           | 9/16           | 6,400        | 4,800                      | 12,800  | 11,000  | 9,000   | 6,400                        | 14.0       |
|                           | 5/8            | 7,800        | 5,800                      | 15,600  | 13,600  | 11,000  | 7,800                        | 16.0       |
|                           | 3/4            | 11,200       | 8,200                      | 22,400  | 19,400  | 15,800  | 11,200                       | 19.0       |
|                           | 7/8            | 15,200       | 11,200                     | 30,400  | 26,000  | 22,000  | 15,200                       | 22.0       |
|                           | 1              | 19,600       | 14,400                     | 39,200  | 34,000  | 28,000  | 19,600                       | 25.4       |
| Wire Rope 1 1/2" (38.1mm) | 1-1/8          | 24,000       | 18,000                     | 48,000  | 42,000  | 34,000  | 24,000                       | 28.5       |
|                           | 1-1/4          | 30,000       | 22,500                     | 60,000  | 52,000  | 42,000  | 30,000                       | 32.0       |
|                           |                | MULTIPLIER   |                            | 1.00    | .75     | .50     | MULTIPLY BY                  |            |

Formula to find sling length: Total distance between pick points x Multiplier = Sling Length

## Load Factors & Weight Distribution

5,000 #      5,000 #      Tension in A =  $\frac{\text{length B}}{\text{length A}} \times \text{share of load wt.}$        $\frac{B}{A}$  = Load Factor

Tension in A =  $\frac{B}{3} \times 4,000$   
Tension in A = 8,000 #

**Known Runs**

Share of Load Wt. @ A:  $R_1 + R_2 = TS$   
 $R_1 = P$   
 $P \times W = \text{Share of Load wt. @ A}$

Share of Load Wt. @ B:  $R_1 + R_2 = TS$   
 $R_2 = P$   
 $P \times W = \text{Share of Load wt. @ B}$

Legend:  
R<sub>1</sub> = Run, Side 1 (A)  
R<sub>2</sub> = Run, Side 2 (B)  
TS = Total Span  
P = Percentage  
W = Weight of Load

**Known Weights**

CG in Feet From A:  $W_1 + W_2 = TW$   
 $W_1 = P$   
 $P \times S = \text{CG in ft. from A}$

CG in Feet From B:  $W_1 + W_2 = TW$   
 $W_2 = P$   
 $P \times S = \text{CG in ft. from B}$

Legend:  
W<sub>1</sub> = Weight at A  
W<sub>2</sub> = Weight at B  
TW = Total Weight  
P = Percentage  
S = Span

## Sling Capacities

DESIGN FACTORS - CHAIN 4:1

WEB 5:1

ROUND 5:1

|                 | Size in Code | 1:2 Vertical | 1:2 Loop or Basket 90° 1:2 | 60° 1:2 | 45° 1:2 | 30° 1:2 | 1:2 Loop Only if 1:2 min 90° | Diameter or Width |
|-----------------|--------------|--------------|----------------------------|---------|---------|---------|------------------------------|-------------------|
| Chain 6:1       | 9/32         | 3,500        | 2,800                      | 7,000   | 6,100   | 4,800   | 3,500                        | 7 mm              |
|                 | 3/8          | 7,100        | 5,680                      | 14,200  | 12,300  | 10,000  | 7,100                        | 10 mm             |
|                 | 1/2          | 12,000       | 9,600                      | 24,000  | 20,800  | 17,000  | 12,000                       | 13 mm             |
|                 | 5/8          | 18,100       | 14,480                     | 36,200  | 31,300  | 25,600  | 18,100                       | 16 mm             |
| Web Eye & Eye   | 1-9-1        | 1,600        | 1,280                      | 3,200   | 2,770   | 2,260   | 1,600                        | 1"                |
|                 | 1-9-2        | 3,200        | 2,560                      | 6,400   | 5,540   | 4,452   | 3,200                        | 2"                |
|                 | 1-9-3        | 4,800        | 3,840                      | 9,600   | 8,300   | 6,780   | 4,800                        | 3"                |
|                 | 1-9-4        | 6,400        | 5,120                      | 12,800  | 11,090  | 9,040   | 6,400                        | 4"                |
|                 | 2-9-3        | 8,880        | 7,100                      | 17,760  | 15,380  | 12,540  | 8,880                        | 3"                |
|                 | 2-9-4        | 11,520       | 9,210                      | 23,040  | 19,960  | 16,270  | 11,520                       | 4"                |
| Polyester Round | EN30         | 2,600        | 2,100                      | 5,300   | 4,500   | 3,600   | 2,600                        | 1"                |
|                 | EN40         | 5,300        | 4,200                      | 10,600  | 9,100   | 7,500   | 5,300                        | 1"                |
|                 | EN90         | 8,400        | 6,700                      | 16,800  | 14,500  | 11,800  | 8,400                        | 1.5"              |
|                 | EN120        | 10,600       | 8,500                      | 21,200  | 18,300  | 14,900  | 10,600                       | 1.5"              |
|                 | EN150        | 13,200       | 10,600                     | 26,400  | 22,800  | 18,600  | 13,200                       | 2"                |
|                 | EN180        | 16,800       | 13,400                     | 33,600  | 29,100  | 23,700  | 16,800                       | 2"                |

# Journeyman Rigger Study Guide

**American Council on Education**

A red circular graphic with a gradient, appearing as a partial circle or a thick curved line, located to the right of the American Council on Education text.

## **Journeyman Rigger Study Guide:**

New York 2020 Journeyman Electrician Exam Questions and Study Guide Ray Holder, 2020-05-21 The New York 2020 Journeyman study guide will help you prepare for the exam by providing 12 practice open book exams and 2 Final Closed Book Exams Includes New York License Forms and Sample Applications This book also covers most topics that are included on all Journeyman Electricians exams such as conductor sizing and protection motors transformers voltage drop over current protection and residential and commercial load calculations The text contains the most widely used electrical calculations and formulas the reader needs to pass the Journeyman electrical competency exam About the Author Ray Holder has worked in the electrical industry for more than 40 years as an apprentice journeyman master field engineer estimator business manager contractor inspector and instructor He is a graduate of Texas State University and holds a Bachelor of Science Degree in Occupational Education A certified instructor of electrical trades he has been awarded a lifetime teaching certificate from the Texas Education Agency in the field of Vocational Education Mr Holder has taught thousands of students at Austin Community College Austin Texas Odessa College at Odessa Texas Technical Vocational Institute of Albuquerque New Mexico Howard College at San Angelo Texas and in the public school systems in Fort Worth and San Antonio Texas He is currently Director of Education for Electrical Seminars Inc of San Marcos Texas Mr Holder is an active member of the National Fire Protection Association International Association of Electrical Inspectors and the International Brotherhood of Electrical Workers

**U.S. Naval Training Bulletin ,1950      The Complete Rigger's Apprentice: Tools and Techniques for Modern and Traditional Rigging** Brion Toss, 1997-08-01 Combining and updating the renowned Rigger's Apprentice and Rigger's Locker meets the changing face of modern materials and technology while remaining true to rigging's best traditional principles and practices It's much more than a knot book though the knots a sailor needs are all here It's a book for sailors who want the satisfaction and hard cash savings of stepping their own masts inspecting and maintaining their own rigs and turning their own tailsplices and wire eyesplices It is for boatowners who want to replace an entire gang of rigging themselves measuring choosing appropriate wire turning soft eyes leathering and serving It is for bluewater voyagers who want to feel secure in the knowledge that should a shroud carry away far at sea they will be able to repair it The Complete Rigger's Apprentice is also a free roaming collection of useful ideas and tips on everything from supplementing winches with block and tackle to rigging snubbers at anchor to using pantyhose for an emergency fanbelt In short it's the definitive book on the art of rigging written by its most entertaining practitioner

*Naval Training Bulletin ,1954      The Complete Rigger's Apprentice: Tools and Techniques for Modern and Traditional Rigging, Second Edition* Brion Toss, 2016-09-09 Revised and updated the only book you need on sailboat rigging and marlinspike arts The Complete Rigger's Apprentice Second Edition offers today's marine professionals a complete up to date resource on today's rigging best practices and traditions This expanded edition features new material on multihull rig design how to make and use soft

shackles and the latest information on Sta Lok mechanical terminals In addition to sharing traditional rigging methods new techniques are taught here for the first time including how to work with today s high modulus fibers for both running and standing rigging Continuing its tradition this book helps you gain satisfaction and hard cash savings from stepping your own masts inspecting and maintaining your own rigs and turning your own tail splices and wire eye splices Easy to understand explanations demonstrate how to make hundreds of pieces of handmade gear which saves you hundreds and sometimes thousands of dollars

**All Hands** ,1952    *The Woodenboat* ,2001    *Monthly Catalog of United States Government Publications* ,1972    WINC Curriculum Guide ,1984    *Naval Reservist* ,1946    **Naval Training Bulletin** ,1952  
**Safety Review** ,1964    **Proceedings of the Marine Safety Council** United States. Marine Safety Council,1990  
Proceedings of the Marine Safety Council ,1989    **The 1980 Guide to the Evaluation of Educational Experiences in the Armed Services: Army** American Council on Education,1980    **TLA Video & DVD Guide 2004** David Bleiler,2003-10-24 This is the absolutely indispensable guide to worthwhile cinema It includes over 10 000 entries on the best of film and video that a real film lover might actually want to see    The 1984 Guide to the Evaluation of Educational Experiences in the Armed Services American Council on Education,1984    *Monthly Catalog of United States Government Publications, Cumulative Index* United States. Superintendent of Documents,1970    Women in Nontraditional Careers (WINC) Mary Ellen Verheyden-Hilliard,1984    **Monthly Catalogue, United States Public Documents** ,1978

Embark on a transformative journey with Written by is captivating work, Grab Your Copy of **Journeyman Rigger Study Guide** . This enlightening ebook, available for download in a convenient PDF format Download in PDF: , invites you to explore a world of boundless knowledge. Unleash your intellectual curiosity and discover the power of words as you dive into this riveting creation. Download now and elevate your reading experience to new heights .

<https://staging.conocer.cide.edu/book/Resources/index.jsp/final%20promise.pdf>

## **Table of Contents Journeyman Rigger Study Guide**

1. Understanding the eBook Journeyman Rigger Study Guide
  - The Rise of Digital Reading Journeyman Rigger Study Guide
  - Advantages of eBooks Over Traditional Books
2. Identifying Journeyman Rigger Study Guide
  - 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 Journeyman Rigger Study Guide
  - User-Friendly Interface
4. Exploring eBook Recommendations from Journeyman Rigger Study Guide
  - Personalized Recommendations
  - Journeyman Rigger Study Guide User Reviews and Ratings
  - Journeyman Rigger Study Guide and Bestseller Lists
5. Accessing Journeyman Rigger Study Guide Free and Paid eBooks
  - Journeyman Rigger Study Guide Public Domain eBooks
  - Journeyman Rigger Study Guide eBook Subscription Services
  - Journeyman Rigger Study Guide Budget-Friendly Options

6. Navigating Journeyman Rigger Study Guide eBook Formats
  - ePub, PDF, MOBI, and More
  - Journeyman Rigger Study Guide Compatibility with Devices
  - Journeyman Rigger Study Guide Enhanced eBook Features
7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Journeyman Rigger Study Guide
  - Highlighting and Note-Taking Journeyman Rigger Study Guide
  - Interactive Elements Journeyman Rigger Study Guide
8. Staying Engaged with Journeyman Rigger Study Guide
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Journeyman Rigger Study Guide
9. Balancing eBooks and Physical Books Journeyman Rigger Study Guide
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection Journeyman Rigger Study Guide
10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
11. Cultivating a Reading Routine Journeyman Rigger Study Guide
  - Setting Reading Goals Journeyman Rigger Study Guide
  - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Journeyman Rigger Study Guide
  - Fact-Checking eBook Content of Journeyman Rigger Study Guide
  - 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

### **Journeyman Rigger Study Guide Introduction**

Journeyman Rigger Study Guide Offers over 60,000 free eBooks, including many classics that are in the public domain. Open Library: Provides access to over 1 million free eBooks, including classic literature and contemporary works. Journeyman Rigger Study Guide Offers a vast collection of books, some of which are available for free as PDF downloads, particularly older books in the public domain. Journeyman Rigger Study Guide : This website hosts a vast collection of scientific articles, books, and textbooks. While it operates in a legal gray area due to copyright issues, its a popular resource for finding various publications. Internet Archive for Journeyman Rigger Study Guide : Has an extensive collection of digital content, including books, articles, videos, and more. It has a massive library of free downloadable books. Free-eBooks Journeyman Rigger Study Guide Offers a diverse range of free eBooks across various genres. Journeyman Rigger Study Guide Focuses mainly on educational books, textbooks, and business books. It offers free PDF downloads for educational purposes. Journeyman Rigger Study Guide Provides a large selection of free eBooks in different genres, which are available for download in various formats, including PDF. Finding specific Journeyman Rigger Study Guide, especially related to Journeyman Rigger Study Guide, might be challenging as theyre often artistic creations rather than practical blueprints. However, you can explore the following steps to search for or create your own Online Searches: Look for websites, forums, or blogs dedicated to Journeyman Rigger Study Guide, Sometimes enthusiasts share their designs or concepts in PDF format. Books and Magazines Some Journeyman Rigger Study Guide books or magazines might include. Look for these in online stores or libraries. Remember that while Journeyman Rigger Study Guide, sharing copyrighted material without permission is not legal. Always ensure youre either creating your own or obtaining them from legitimate sources that allow sharing and downloading. Library Check if your local library offers eBook lending services. Many libraries have digital catalogs where you can borrow Journeyman Rigger Study Guide eBooks for free, including popular titles. Online Retailers: Websites like Amazon, Google Books, or Apple Books often sell eBooks. Sometimes, authors or publishers offer promotions or free periods for certain books. Authors Website Occasionally, authors provide excerpts or short stories for free on their websites. While this might not be the Journeyman Rigger Study Guide full book , it can give you a taste of the authors writing style. Subscription Services Platforms like Kindle Unlimited or Scribd offer subscription-based access to a wide range of Journeyman Rigger Study Guide eBooks, including some popular titles.

## **FAQs About Journeyman Rigger Study Guide Books**

How do I know which eBook platform is the best for me? Finding the best eBook platform depends on your reading preferences and device compatibility. Research different platforms, read user reviews, and explore their features before making a choice. Are free eBooks of good quality? Yes, many reputable platforms offer high-quality free eBooks, including classics and public domain works. However, make sure to verify the source to ensure the eBook credibility. Can I read eBooks without an eReader? Absolutely! Most eBook platforms offer web-based readers or mobile apps that allow you to read eBooks on your computer, tablet, or smartphone. How do I avoid digital eye strain while reading eBooks? To prevent digital eye strain, take regular breaks, adjust the font size and background color, and ensure proper lighting while reading eBooks. What the advantage of interactive eBooks? Interactive eBooks incorporate multimedia elements, quizzes, and activities, enhancing the reader engagement and providing a more immersive learning experience. Journeyman Rigger Study Guide is one of the best book in our library for free trial. We provide copy of Journeyman Rigger Study Guide in digital format, so the resources that you find are reliable. There are also many Ebooks of related with Journeyman Rigger Study Guide. Where to download Journeyman Rigger Study Guide online for free? Are you looking for Journeyman Rigger Study Guide PDF? This is definitely going to save you time and cash in something you should think about.

## **Find Journeyman Rigger Study Guide :**

### **final promise**

[figures lessons & exercises to develop your painting & drawing technique.](#)

### **films of ingrid bergman**

[financial statement fraud prevention and detection](#)

### **film encyclopedia**

~~film magic~~

*financial audit federal deposit insurance corporation's 2000 and 1999 financial statements*

### **figures of reality a perspective on the poetic imagination**

### **finance internationale d entreprise**

### **financial fragility debt and economic reforms**

### **financial statistics explanatory handbook 2001**

[financing your college education](#)

[financing international business operations the intext series in finance](#)



*financial accounting uk standards may 2004 exam qandas cima may 2004 qandas*  
**financing oil and gas ventures volume i and ii**

## **Journeyman Rigger Study Guide :**

The King and I - Vocal Score by Rodgers & Hammerstein The King and I - Vocal Score · Book overview. Rodgers & Hammerstein The King and I Complete Piano Vocal Score First ... The King and I Vocal Score Composers: Oscar Hammerstein, Richard Rodgers Complete vocal score to the classic, including: Getting to Know You \* Hello, Young Lovers \* I Whistle a Happy ... The King And I - Score.pdf View and download The King And I - Score.pdf on DocDroid. THE KING AND I VOCAL SCORE. (Edited by DR. ALBERT SIRMAY). PRICE. 15.00. WILLIAMSON MUSIC, INC ... SONG OF THE KING... 165. 39. SHALL WE DANCE?.. 168. 40. MELOS, MY LORD AND ... The King And I sheet music | Play, print, and download in ... Dec 21, 2020 — Play, print, and download in PDF or MIDI sheet music from 'The King And I' set collected by Trevor Coard. THE KING AND I Based on the novel ... The King and I (Vocal Vocal Score ) by Buy The King and I (Vocal Vocal Score ) by at jwpepper.com. Piano/Vocal Sheet Music. Contains all overtures, incidental music and songs from Th. The King and I (Score) by Richard Rodgers Complete vocal score to the classic with all 14 songs, including: Getting to Know You \* Hello, Young Lovers \* I Whistle a Happy Tune \* Shall We Dance? THE KING AND I vocal score.pdf THE KING AND I vocal score.pdf. THE KING AND I vocal score.pdf. Author / Uploaded; Simon Parker. Views 1,686 Downloads 289 File size 9MB. The King and I Something Wonderful Score | PDF The King and I Something Wonderful Score - Free download as PDF File (.pdf) or read online for free. sheet music for Something Wonderful from the musical ... The King And I - Vocal Score Complete vocal score to the classic with all 14 songs, including: Getting to Know You • Hello, Young Lovers • I Whistle a Happy Tune • Shall We Dance? Seeing Sociology - An Introduction (Instructor Edition) Publisher, Wadsworth; Second Edition (January 1, 2014). Language, English. Paperback, 0 pages. ISBN-10, 1133957196. ISBN-13, 978-1133957195. Product Details - Sociology an Introduction Sociology an Introduction: Gerald Dean Titchener. Request an instructor review copy. Product Details. Author(s): Gerald Dean Titchener. ISBN: 9781680752687. Instructor's manual to accompany Sociology, an ... Instructor's manual to accompany Sociology, an introduction, sixth edition, Richard Gelles, Ann Levine [Maiolo, John] on Amazon.com. Seeing Sociology: An Introduction Offering instructors complete flexibility, SEEING SOCIOLOGY: AN INTRODUCTION, 3rd Edition combines up-to-the-minute coverage with an easy-to-manage approach ... Seeing Sociology - An Introduction [Instructor Edition] Seeing Sociology - An Introduction [Instructor Edition] ; Condition. Good ; Quantity. 1 available ; Item Number. 235292307873 ; Author. Wadsworth ; Book Title. MindTap Sociology, 1 term (6 months) Instant Access for ... Offering instructors complete flexibility, SEEING SOCIOLOGY: AN INTRODUCTION, 3rd Edition combines up-to-the-minute coverage with an easy-to-manage approach ... seeing sociology an introduction Seeing Sociology - An Introduction (Instructor

Edition). Ferrante. ISBN 13: 9781133957195. Seller: Solr Books Skokie, IL, U.S.A.. Seller Rating: 5- ... Seeing Sociology: An Introduction - Joan Ferrante Offering instructors complete flexibility, SEEING SOCIOLOGY: AN INTRODUCTION, 3rd Edition combines up-to-the-minute coverage with an easy-to-manage approach ... Seeing Sociology - An Introduction (Instructor Edition) by ... Seeing Sociology - An Introduction (Instructor Edition). by Ferrante. Used; good; Paperback. Condition: Good; ISBN 10: 1133957196; ISBN 13: 9781133957195 ... Sociology: An Introductory Textbook and Reader This groundbreaking new introduction to sociology is an innovative hybrid textbook and reader. Combining seminal scholarly works, contextual narrative and ... Kenda Finch - Gizmos Paramecium Homeostasis Virtual ... On Studocu you find all the lecture notes, summaries and study guides you need to pass your exams with better grades. Paramecium Homeostasis SE - Name This the answer key for the gizmo. Subject. Biology. 999+ Documents. Students shared ... diffusion across a semipermeable membrane virtual lab. Related documents. Paramecium Homeostasis Virtual Lab Explore paramecium homeostasis with ExploreLearning Gizmos. Students discover how these microorganisms maintain stability in their aquatic world and more! Paramecium Virtual Lab.pdf - Virtual Lab: Population... View Lab - Paramecium Virtual Lab.pdf from BIOL 100 at Truman State University. Virtual Lab: Population Biology How to get there: ([www.boil.co.paramec1](http://www.boil.co.paramec1)). Virtual Lab Answer Key.doc - Virtual Lab: Population... This experiment is to observe the competition between the growth of Paramecium Aurelia and paramecium caudatum . This experiment will determine the number of ... Paramecium lab Handout to go with a virtual lab about paramecium growth. The objectives of this virtual lab are: Demonstrate how competition for ... Population Biology Purpose In this investigation you will conduct an experiment and grow two species of the protozoan Paramecium, alone and together. Paramecium lab Population Growth & Competition Paramecium digital virtual interactive lab · Get it Down To a Science · Biology, Earth Sciences, Science. Paramecium Competition Simulation Full | PDF | Ecology Virtual Lab: Population Biology - Competition between. Paramecium sp 1. Open the Virtual Lab entitled "Population Biology":