

CRANE SAFEWORK GUIDES IN THIS SERIES

CRANE BASICS

INDUSTRIAL CRANES & HOISTS #2001

- The 4 Most Common Types of Industrial Cranes & Hoists
- Bridge Crane
- Gantry Crane
- Jib Crane
- Monorail Hoist

CRANE & HOIST TERMINOLOGY #2002

- Glossary of Crane & Hoist Terminology

CRANE & HOIST COMPONENT IDENTIFICATION #2003

- Identifying Bridge / Gantry Crane Components
- Bridge / Gantry Components: Self Test
- Identifying Monorail Hoist Components
- Monorail Hoist Components: Self Test

INSPECTIONS

CRANE & HOIST INSPECTION # 2004

- Operator Pre-Use Visual
- Operational Startup

INSPECTING COMMON CRANE & HOIST HARDWARE # 2006

- Inspection of Specific Hardware

INSPECTING COMMON CRANE & HOIST SPECIALTY LIFTING ATTACHMENTS # 2005

- What to Inspect: Specialty Lifting Attachments

INSPECTING COMMON CRANE & HOIST LIFTING ACCESSORIES # 2007

- What to Inspect: Common lifting accessories

SAFE OPERATION

OPERATING PROCEDURES & SAFETY # 2008

- Methods of Controlling Cranes & Hoists
- Load Handling Procedures
- Operating Procedures
- Crane & Hoist Safety

HAND SIGNALS # 2009

- Signals for Raising & Lowering a Hoist
- Signal for Bridge Travel
- Signal for Trolley Travel
- Signal for Multiple Trolleys
- Signal for Magnet Disconnected
- Signals for Stopping

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LIFT PLANNING - BEFORE YOU LIFT

PREPARATION & PLANNING A LIFT #2010

- Precautions, Considerations & Safety
- Present Load & Location
- Load Destination
- Personnel Requirements
- Travel Routes & Clearances

CENTERS OF GRAVITY # 2012

- Determining Load Centers & Centers of Gravity (C of G)
- Load Hook & C of G Alignment

CALCULATING & ESTIMATING

LOAD WEIGHTS #2011

- Considerations for Calculating Load Weights
- Considerations for Estimating Load Weights
- Weights of Common Materials
- Common Imperial & Metric Conversions
- Calculating Irregular Load Weights

RIGGING

SLING LIFTING ANGLES # 2013

- Straight Lift Degrees
- Controlling Load Swing
- Angles Created
- Common Lifting Angles

RIGGING A LOAD

SLING STRESS & ANGLES # 2014

- Factors to Consider: Sling Stress & Angles
- Wire Rope Slings with Dead End Clips
- Safe Working Load Limits of Sling Angles

RIGGING A LOAD

SLING HITCHES # 2015

- General Hitch Information
- Vertical Hitch
- Bridal Hitch
- Basket Hitch
- Choker Hitch

RIGGING A LOAD

WIRE ROPE # 2016

- Identifying Wire Rope Components
- Safe Working Loads / Safe Lifting Capacity
- Manufacturer Safety Factor Rating
- Wire Rope & Chain Sling - Safety Factors

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TRAINING

PRACTICAL TRAINING TIPS THAT “GET RESULTS” # 2017

- Hands-On Instructor Protocol to “Get Results”
- Tips to Keep You & Your Trainee Safe

PRACTICAL TIPS FOR TRAINING EXPERIENCED OPERATORS # 2019

- 8 Steps for Training & Testing Experienced Operators

PRACTICAL TIPS FOR TRAINING INEXPERIENCED OPERATORS # 2018

- Workplace Training Elements
- Challenges when Training Inexperienced Operators
- 20 Steps & Sequence to Follow for Training the Inexperienced
- Inexperienced Practical Testing

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