

RIGWORTH.



BASIC **RIGGING AND SLINGING**

Training Module

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Certified and Trusted OSH Services Provider

Introduction

Rigging and slinging are essential processes in construction, manufacturing, shipping, and various industrial operations where heavy loads need to be lifted, moved, or secured using cranes, hoists, or other lifting devices. Although the two terms are often used together, they refer to distinct but closely related practices.

Rigging involves the process of preparing loads for lifting. This includes selecting, assembling, and attaching the appropriate lifting gear such as slings, shackles, hooks, and chains to the load. The purpose of rigging is to ensure that the load is lifted safely, efficiently, and without damage to either the load or surrounding environment.

Slinging refers to the actual act of attaching a load to a lifting device using slings and directing the crane or lifting equipment to move it. The person performing slinging duties is often called a slinger or slinger/signaller. This role not only involves securing the load but also giving signals to crane operators to ensure safe and precise movement of the load.

Topic

- ✓ Introduction and Statutory requirement
- ✓ Fundamental of working at height
- ✓ Working at height accessibilities and work platform
- ✓ Fall arrest and safety management
- ✓ Rescue at height (planning and simple immediate rescue)
- ✓ Practical session

Objective

1. Understanding Rigging Fundamentals

Trainees will grasp basic concepts and terminology related to rigging and slinging.

2. Identify Rigging Equipment

Participants will be able to recognize different types of slings, chains, hooks, shackles, and other rigging hardware.

3. Perform Proper Sling Selection and Inspection

Trainees will learn how to select appropriate slings for various loads and inspect rigging equipment for damage or defects before use.

4. Apply Safe Rigging Practices

Participants will demonstrate correct techniques for attaching slings, balancing loads, and securing them to lifting devices..

5. Understand Load Dynamics

Trainees will comprehend the effects of load weight, center of gravity, sling angles, and load distribution on lifting operations.

6. Comply with Safety Standards

Participants will be aware of relevant safety regulations and company policies to minimize risks during lifting

7. Execute Safe Communication

Trainees will learn standard hand signals and communication methods used during lifting operations.

FAQs



1. What is Basic Rigging & Slinging?

Basic Rigging & Slinging is in charge of the initial work of erecting the load and to ensure that all rigging work is carried out in a safe and efficient manner, adhering to the regulation and to sound established customs and practices, which will be covered throughout the entire sessions.



2. What are the 4 concepts of rigging?

These cardinal tenets dictate the successful and safe execution of rigging tasks. They encompass having properly trained personnel, thoroughly checking equipment and environmental suitability, ensuring the balance and stability of the load, and employing effective communication through qualified spotters.



3. What are the duties of a basic rigger?

The primary responsibility of a basic rigger is to install, maintain and repair rigging systems such as hoists, cranes, winches or slings. These pieces of equipment must be correctly assembled according to industry standards so they can safely lift large loads without causing damage or injury.

FAQs



4. What is the difference between slinging and rigging?

Slinging involves attaching the rigging equipment to the load to be lifted, such as a steel beam, a container, or a machine. While rigging is a process of lifting and moving the load. Safely and secure.



5. What's the difference between a slinger and a rigger?

A Slinger/Signaller is responsible for attaching rigging equipment to the load and directing lifting operations, typically involving cranes, on construction sites, docks, or other industrial environments. They are also commonly referred to as a Banksman, Slinger or Rigger. Somehow, riggers may refer to personnel who are trained to handle rigging operations involve equipment selection, slinging, site operation and direct load movement.



6. What are the four basic rules of rigging?

- Know the load and capacity.
- Inspect rigging equipment
- Use proper Rigging Techniques.
- Ensure a safe working environment.

FAQs



7. What Are the Four Types of Rigging?

The four main types are rope rigging, wire rope rigging, synthetic rigging, and chain rigging.



8. What makes chain rigging unique?

Chain rigging offers exceptional tensile strength and is ideal for rugged, high-temperature environments.

Training Duration



1 – 2 Days

Target Group



- Riggers and Slings
- Crane Operators
- Construction Workers
- Warehouse and Logistics Staff
- Maintenance and Mechanical Personnel
- Supervisors and Safety Officers
- Maritime and Offshore Workers

Training Method



- Classroom/Theoretical Training
- Practical Hands-On Training
- Assessment and Evaluation

Our Company

Rigworth is a certified and trusted company in Malaysia for Occupational Safety and Health related services.

Rigworth top safety services include competencies and technical training, safety audit and compliance, safety culture support, safety technical specialist and safety digital solution.

Rigworth provides services for all industries with experience in the energy, construction, factory and agriculture. We offer the very best service and are continually striving to provide unrivalled technical competence to deliver the most appropriate safety solution for our client's need, whether it's delivering site-specific training, conducting specialist technical support, reviewing current safety culture or developing a renewed approach to safety.

Our aim is to help our clients improving their safety results, complying with safety and health obligations and developing safety culture to keep people safe as well as improving company overall performances financially.

Moving towards the future, **Rigworth** prides itself on its professional team and strong R&D capability focusing on digital and technology solution for OSH in Malaysia to improve safety and work efficiency.

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