

# WRE

Wire Rope Examiners

## Purpose

This training is aimed at those involved in inspection of wire rope.

## Aims and outcomes:

As a result of attending this course, participants will:

- Gain knowledge of legal requirements, employer/employee obligations and responsibilities, and safe working practices related to operational of mechanical lifting
- Undertake identification and pre-use inspection of lifting equipment
- Develop and select appropriate lifting equipment for various lifting operations
- Demonstrate knowledge of force influences for various sling configurations.

## Pre-requisites:

There are no pre requisites for this course.

## Course Content:

- Definitions & Terminology
- Regulations, Standards, and Legal Requirements, including the Health & Safety at Work Act, LOLER, PUWER, Supply of Machinery (safety) Regulations, and recognized codes of practice



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- Principles for the selection of Lifting Equipment. Marking, storage and handling, pre-use inspection, assessing the operation and certification
- Slings methods, design of slings, choosing the right sling for the job, consideration of the different types of slings available, the advantages and disadvantages of each
- Force influences – how to calculate the forces present in slings and other lifting equipment under given loading conditions, considerations of the “uniform load” and “trigonometric rating of slings”.
- Guidance on the estimation of loads of unknown weight and slinging practical
- Slings accessories – hooks, sorting clutches, rigging screws, wire rope grips, etc.

## Certification:

BARRON International will issue Certificate of Training in Intermediate Rigging/Slings for successful participants.

Duration: 2 Days

## Method of Training:

Training will be carried out in accordance with the code of practice for the safe use of lifting equipment, closed by written assessments.

## Maximum participants:

12 persons



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