



Wire Rope Familiarisation

Target Group

Companies/Units who require employee training on the inspection and safe use of wire rope carried out at their premises. Specifically those who require an overall appreciation of the wire ropes in service and likely to be involved in the statutory inspection and/or safe use of those ropes. It is also suitable for those who are involved with, or give advice to, users of wire rope and associated equipment/products.

Aim

The aims of the course are to provide selected delegates with: -

- An appreciation of rope inspection and the rejection criteria for steel wire ropes in service
- A grounding of relevant wire rope construction, effects on rope performance and applications, and factors causing rope deterioration.
- Wire Rope Selection
- Knowledge of safe use and handling of wire rope in accordance with their operations

Training Objectives

By the end of this course delegates will be able to: -

- Demonstrate knowledge of inspection principles of wire rope in service.
- Demonstrate knowledge of relevant wire rope terminology, constructions, characteristics and effect on rope performance, safe use & handling, and applications, through a short written test.
- Get the best out of their products whilst maintaining a safe working environment.

Course Content

- An Introduction to various wire rope standards (European, American and International)
- A short introduction to various wire ropes, manufacturing, constructions and applications
- An Introduction to rope terminology, the different types of ropes, how they are designated and how they are classified
- A practical assessment of steel wire ropes including an appreciation of rope strength, flexibility, fatigue, wear, abrasion, rotation and elongation
- An introduction to rope terminations
- Rope Deterioration
- An overview of wire rope inspection, discard criteria, and problems resulting from misuse and abuse.

Ratio of Delegates to Presenters

Maximum 12 to 1

Achievement Measurement

This one-day course includes a written confirmation test leading to certification of attendance on successful completion.