



BOLTED JOINT REFRESHER

COURSE CONTENT

AIM

The aim of this course is to refresh delegates on bolted joints and the adoption of best practice in ensuring a leak-free 'right first time' joint using hydraulically torque and tension bolted connection techniques.

Pre-Requirement

Must have attended and successfully completed the ECITB MJI 10, 18 and 19 course.

Course Duration

The duration of this course is 1 day.

Maximum Number

6 persons.

Training Aids

Lecture notes, audio/visual presentations, examples of tools, flanges, gaskets, bolts and interactive practical demonstrations.

Assessment

None

Certification

None.

Additional Information

Meeting the needs and expectations of service users is of the highest priority to our staff. Therefore if you have any concerns or wish to make a comment about the service please contact: info@NETA.co.uk

COURSE OBJECTIVES

On successful completion of Bolted Joint Refresher delegates will be able to:

- Explain how to ensure intended task confirms to intended specifications, methods, process, techniques and procedures
- Dismantle hand torque bolted connection systems
- Remove components from hand torque bolted connection systems
- Replace components in hand torque bolted connection systems
- Assemble, secure and hand torque bolted connections
- Dismantle hydraulically tensioned bolted connection systems
- Remove components from hydraulically tensioned bolted connection system

- Replace components in hydraulically tensioned bolted connection systems
- Assemble, secure and hydraulically tension bolted connections
- Dismantle hydraulically torqued bolted connection systems
- Remove components from hydraulically torqued bolted connection systems
- Replace components in hydraulically torqued bolted connection systems
- Assemble and secure hydraulically torqued bolted connections
- Verify the integrity of the assembled joint

COURSE SYLLABUS

- Health and Safety in Bolted Assembly / Disassembly
- Principles of Bolting
- Principles of Flanges
- Principles of Mechanical Seals
- Principles of Industrial Fasteners
- Principles of Compact Flanges
- Principles of Hub and Clamp Pipe Connections
- Principles of Torque Tightening
- Alternatives to Torque
- Flange Joint Assembly Techniques
- Bolted Joint Assembly using Manual Torque Equipment
- Bolted Joint Assembly Using Hydraulic Torque Wrenches
- Bolted Joint Assembly Using Bolt Tensioning Equipment

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