

Task 3A – Quality review and test

You must:

- a) prepare the work area to carry out non-destructive testing
- b) perform quality assurance checks to the fabricated assembly
- c) perform one non-destructive testing method to **three** different welds
- d) record NDT test results in the quality check sheet.

Conditions of assessment:

- the time allocated for this task is **1 hours and 30 minutes**
- you **must** carry out the task on your own, under **controlled conditions** while being observed.

Controlled conditions:

- you must only work on your tasks in the allocated times
- assessment evidence must be handed in at the end of each session for secure storage which cannot be accessed
- all practical work areas and any evidence produced must be kept secure and only accessible by the assessor
- you must not share or discuss your work with other candidates
- you are not permitted to bring any materials into the assessment session.

What must be produced for marking:

- completed quality check sheet with NDT results recorded.

Additional evidence for this task:

- assessor observation to include:
 - use of measuring equipment
 - application of non-destructive testing method
 - quality checks
 - review of work area (preparation, during and on completion of task).

To support the comments made within the Practical Observation the assessor must capture the following photographs that must be submitted as supporting evidence for each candidate.

Photographic evidence which shows:

- the quality review being undertaken, with consideration of
 - checking of tolerances and application and use of appropriate measuring equipment
 - how tolerances have been met for the measurement of components
 - how tolerances have been met for the fabrication of components
 - results of tool usage
- the non-destructive testing method used.

Resources:

- writing materials
- appropriate Personal Protective Equipment (PPE) (as per resources list)
- magnetic particle testing equipment
- welding brush
- welding magnifying glass
- cleaning products
- measuring equipment (with calibration certificate (if applicable))
- quality check sheet from Task 1
- copies of completed documentation from Task 1
- completed assembly from Task 2.

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