

## READ AND INTERPRET ENGINEERING DRAWINGS - NQF LEVEL 4

Duration: 2 days + 1 day follow up  
Target: Candidates competent in NQF Level 3  
Prerequisite: NQF Level 3  
NQF Info: NQF Level 4  
Qualification: National Certificate In Plastics Manufacturing NQF Level 4  
Credits: 12  
Certification: MERSETA accredited  
PFSA Certification.

Unit Standard:  
➤ Read and interpret engineering drawings [9885]

Course Objective:  
To read, interpret and extract information from engineering drawings to produce products.

Outcomes: At the end of the course the learners will be able to :

- Demonstrate an understanding of engineering drawings, sketches and material lists.
- Interpret engineering drawings, sketches and material lists.
- Transfer interpreted measurements and dimensions from drawings to workpiece.

Contents:

- Concepts of line structures, sectioning, dimensioning, scaling, perspective positioning are used.
- Concepts of orthographic and isometric views in drawing are explored.
- Use is made of the drawing numbering system.
- Manufactured work piece measurements and dimensions need to correspond to engineering drawings.
- Transfer interpreted measurements and dimensions from drawings to workpiece.

Assessment and Certification:

- Assignments to be submitted within two weeks following training. One follow up day is required to give feedback on assessed assignments. A PFSA Certificate of Competence is issued to successful candidates
- Relevant credits may be awarded to successful learners upon MERSETA due approval process.

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