

LANNFAR13

Fabricate horseshoes and tools



Overview

This standard is about modifying horseshoes and tools by welding with equipment.

In order to 'fabricate horseshoes and tools' you will need to be able to forge sections of the metal to be joined to produce tools and shoes, including hardfacing.

You must check the forged section against the specification and make changes in order to achieve the desired outcome. You will be able to deal with the following types of contamination:

1. surface coatings
2. rust
3. grease
4. scale
5. moisture
6. general dirt

You must work to health and safety requirements.

The use of welding equipment comes under Provision and Use of Work Equipment Regulations (PUWER).

LANNFAR13

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Performance criteria

- You must be able to:*
- P1 have available materials fit for the purpose of fabrication to the welding operation
 - P2 work sections of metal to produce the outputs in accordance with the specification
 - P3 check the shoes and tools conform to the specification
 - P4 recognise any variances to the output against the specification and take the relevant action to correct the variances
 - P5 control any contamination by using the appropriate working practices
 - P6 maintain the health and safety of yourself and others throughout the process

LANNFAR13

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Knowledge and understanding

You need to know and understand:

Contamination

- K1 the different types of contamination and how to deal with them
- K2 how contamination is caused and how to prevent it

You need to know and understand:

Welding practices

- K3 basic welding techniques needed to fabricate shoes and tools
- K4 the importance of ventilation
- K5 the importance of positioning for good weld quality
- K6 the materials used for welding
- K7 the tools used for welding

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