

LANTw54

Sharpen and maintain edged hand tools



Overview

This standard is about sharpening and maintaining including the repair and storage of edged hand tools

This standard includes:

- identifying and dealing with defects in tools
- replacing tool handles and shafts
- protecting tools to prevent corrosion, damage and personal injury
- sharpening edged tools
- correct storage of tools

This standard is suitable for those working within the green wood trades as a craftsperson

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Performance criteria

- You must be able to:*
- P1 select and implement appropriate working method in accordance with the assessed risks
 - P2 identify and make safe minor defects in a hand tool handle or shaft
 - P3 identify any **major defects**
 - P4 **repair** and ensure tool is in safe working condition
 - P5 identify defective and 'dull' cutting edges and use appropriate equipment to restore the correct cutting edge on tools
 - P6 store tools correctly to maintain condition and are safe to use
 - P7 maintain the health and safety of yourself and others at all times in accordance with current legislation

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Knowledge and understanding

You need to know and understand:

- K1 how to identify hazards and assess risks
- K2 how to interpret risk assessments
- K3 the health and safety implications of defects in hand tools, edged tools and shafts
- K4 different methods and devices for sharpening tools
- K5 different tool edge profiles and which are appropriate for different purposes
- K6 identify the bevel and edge characteristics of individual edge tools required to fulfil their specific function
- K7 the importance of 'temper' in an edge tool
- K8 appropriate use of a range of sharpening stones and the difference between oil and wet stones
- K9 appropriate use of angle grinders and grinding wheels
- K10 how to safely test the sharpness of a tool and when a tool requires sharpening
- K11 the maintenance and protection required for sharp edged tools
- K12 different methods of fitting a new handle or shaft
- K13 how to select appropriate materials for tool handles
- K14 how to store tools safely to maintain their condition
- K15 how to label, store and report damaged and dangerous tools
- K16 your responsibilities under current environmental, health and safety legislation and codes of practice

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Scope/range related to performance criteria

Repair hand tools: replacing the handle, regrinding the bevel, honing the cutting edge

Major defects requiring handle or shaft replacement

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