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|--------------|--------------------------|----------------|----------|
| <b>Title</b> | <b>Set circular saws</b> |                |          |
| <b>Level</b> | <b>2</b>                 | <b>Credits</b> | <b>3</b> |

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| <b>Purpose</b> | <p>This unit standard is intended for people who work, or intend to work, in saw shops, using spring sets or hammers to provide efficient side clearance for circular saws.</p> <p>People credited with this unit standard are able to: demonstrate knowledge of hazards and safe work practices associated with setting circular saws; prepare circular saws for setting; select tools for setting circular saws; and set circular saws.</p> |
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| <b>Classification</b> | Solid Wood Manufacturing > Saw Doctoring |
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| <b>Available grade</b> | Achieved |
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## Guidance Information

- 1 Legislation  
Health and Safety at Work Act 2015.  
Resource Management Act 1991.
- 2 Definitions  
*Accepted industry practice* refers to approved codes of practice and standardised procedures accepted by the wider wood manufacturing industry as examples of best practice.  
*Workplace procedures* refer to documented policies and procedures set by the organisation carrying out the work, and to documented or other directions provided to staff, and applicable to the tasks being carried out. They may include but are not limited to – standard operating procedures, site specific procedures, site safety procedures, equipment operating procedures, quality assurance procedures, product quality specifications, references, approved codes of practice, housekeeping standards, environmental considerations, on-site briefings, supervisor’s instructions, and procedures to comply with legislative and local body requirements relevant to the wood manufacturing sector.
- 3 Assessment information  
All activities and evidence must meet the workplace procedures and accepted industry practice.

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## Outcomes and performance criteria

### Outcome 1

Demonstrate knowledge of hazards and safe work practices associated with setting circular saws.

#### Performance criteria

1.1 Hazards associated with setting circular saws are identified and actions to be taken to manage the hazard are described.

Range hazards may include but are not limited to – moving equipment, cutting dust, noise.

1.2 Safe work practices associated with setting circular saws are identified and applied.

Range practices may include but are not limited to – isolation procedures, lock-outs, emergency stops, machine guarding, the wearing of appropriate safety equipment.

### Outcome 2

Prepare circular saws for setting.

#### Performance criteria

2.1 Saw and work areas are cleaned of all foreign matter that could affect setting operations.

2.2 Setting equipment is checked for wear.

Range may include but is not limited to – dial gauge and/or touch gauge, setting and stripping devices if used, file, hammer, scraper, safety equipment.

2.3 Saw is clamped to prevent movement during setting.

2.4 Required amount of set is calculated.

### Outcome 3

Select tools for setting circular saws.

#### Performance criteria

3.1 Method of spring setting is selected.

3.2 Tools are selected to suit setting method.

Range may include but is not limited to – dial gauge and/or touch gauge, hammer, setting device, stripping device, file.

3.3 Setting equipment is checked for wear.

#### Outcome 4

Set circular saws.

#### Performance criteria

4.1 Saw is set.

4.2 Completed set is checked for all teeth.

4.3 Set is as near as possible to the top of each tooth without damaging the cutting edge.

4.4 Amount of set is within plus or minus two thousandths of an inch (or metric equivalent) for all teeth.

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| <b>Planned review date</b> | 31 December 2024 |
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#### Status information and last date for assessment for superseded versions

| Process      | Version | Date              | Last Date for Assessment |
|--------------|---------|-------------------|--------------------------|
| Registration | 1       | 27 January 1994   | 31 December 2019         |
| Review       | 2       | 24 October 1996   | 31 December 2019         |
| Review       | 3       | 10 February 1999  | 31 December 2020         |
| Review       | 4       | 18 December 2006  | N/A                      |
| Review       | 5       | 24 September 2020 | N/A                      |

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| <b>Consent and Moderation Requirements (CMR) reference</b> | 0013 |
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

#### Comments on this unit standard

Please contact Competenz at [qualifications@competenz.org.nz](mailto:qualifications@competenz.org.nz) if you wish to suggest changes to the content of this unit standard.