

<b>Title</b>	<b>Operate a straight cutting saw to cut square profiled furniture components</b>		
<b>Level</b>	<b>2</b>	<b>Credits</b>	<b>3</b>

<b>Purpose</b>	People credited with this unit standard are able to: prepare to operate a straight cutting saw; and operate a straight cutting saw to cut square profiled components.
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<b>Classification</b>	Furniture > Furniture and Cabinet Making
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### Guidance Information

- 1 Assessment information  
This unit standard may be assessed against on-job or off-job.  
All activities and performance criteria must be carried out in accordance with worksite policies and procedures.
- 2 Range  
Demonstration of competence must include two of the following saws – docking saw, rip saw, drop saw.
- 3 Personal protective equipment, appropriate to job requirements, must be selected and used in accordance with worksite policies and procedures and manufacturer's instructions.
- 4 Reference  
Guidance for woodworking machinery, available at <https://worksafe.govt.nz/topic-and-industry/machinery/woodworking>.
- 5 Definitions  
*Manufacturer's instructions* are instructions provided by manufacturers of substances, equipment, and machinery used in furniture making. These instructions may include details on safe and correct handling, use and storage of substances and/or details on substance properties. Examples are labels on substance containers, product data sheets, and operator's manuals.  
*SOIs* refer to safe operating instructions which are documented instructions attached to machines which detail requirements for safe operation of the particular machine.  
*Square profiled components* are components made using no angle cutting. Examples include cutting components to length and width.  
*Worksite policies and procedures* refer to documented policies and to documented or other directions provided to staff. These may include, but are not limited to, ways of managing health and safety, environmental considerations, quality, and production, and must conform to legislation. Examples include standard operating procedures, company health and safety plans, on-site briefings, and supervisor's instructions. For the purposes of this unit standard worksite policies and procedures may also refer to the policies and procedures of an off-job training site.

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## Outcomes and performance criteria

### Outcome 1

Prepare to operate a straight cutting saw.

#### Performance criteria

- 1.1 Job specifications are obtained and interpreted.
- Range component dimensions, number of components to be produced, material, timeframe.
- 1.2 Materials are selected in accordance with job specifications.
- 1.3 Environmental and safety requirements are met.
- Range electrical power, lighting, ventilation, dust extraction.

### Outcome 2

Operate a straight cutting saw to cut square profiled components.

#### Performance criteria

- 2.1 Pre-start checks are performed in accordance with the manufacturer's recommendations.
- 2.2 Machine is operated in accordance with manufacturer's instructions and SOIs.
- Range docking saw – fence, guard settings, hood guard extension;  
rip saw – fence settings, guard settings, hood guard, riving knife, push stick;  
drop saw – fence settings, retractable hood guard.
- 2.3 Machine setting adjustments are made to rectify any out of specification materials in accordance with manufacturer's instructions.
- 2.4 Procedures for replacing substandard components are identified and reported.
- 2.5 Components are sawn in accordance with job specifications.
- 2.6 Machine and work area are made clean, clear, and safe.

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<b>Replacement information</b>	This unit standard and unit standard 25551 replaced unit standard 18904.
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<b>Planned review date</b>	31 December 2025
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**Status information and last date for assessment for superseded versions**

Process	Version	Date	Last Date for Assessment
Registration	1	19 June 2009	N/A
Review	2	28 January 2021	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0173
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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 [qualifications@competenz.org.nz](mailto:qualifications@competenz.org.nz) if you wish to suggest changes to the content of this unit standard.