



Australian Government

FWPSAW3221 Profile saw blanks

Release: 2

FWPSAW3221 Profile saw blanks

Modification History

Release	Comments
Release 2	This version released with FWP Forest and Wood Products Training Package Version 3.0.
Release 1	This version released with FWP Forest and Wood Products Training Package Version 2.0.

Application

This unit of competency describes the outcomes required to calculate blade lengths, and to produce tooth profiles to work orders and specifications. Work is completed in a forest products factory setting.

The unit applies to Sawdoctor, Saw Repairer.

No licensing, legislative, regulatory, or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Sawmilling and Processing

Elements and Performance Criteria

Element	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the range of conditions.</i>
1. Prepare for profiling	1.1 Review work order and where required check with appropriate personnel. 1.2 Calculate numbers of band, wide band and gang saw blades to be profiled. 1.3 Select appropriate profiling and personal protective equipment and check for operational effectiveness in line with manufacturer's

	recommendations. 1.4 Plan profiling process in line with work order.
2. Profile blanks	2.1 Follow organisational safety procedures throughout all machining processes. 2.2 Calculate key saw blade dimensions. 2.3 Obtain calculated blank length or cut from ribbon stock. 2.4 Set up press with punches to suit saw dimensions. 2.5 Punch first tooth in blank to align other teeth. 2.6 Punch remaining teeth to required pitch and tooth profile. 2.7 Assess performance of profiling equipment. 2.8 Dispose of irreparable saw blanks in line with environmental protection practices. 2.9 Identify routine processing and equipment faults and resolve or report to appropriate personnel.

Foundation Skills

This section describes those core and employment skills that are essential to performance and are not explicit in the performance criteria.

Numeracy skills to:	- complete precise calculations to profile blade saws to correct: - width - length - pitch - gullet depth - hook and back clearance angles.
Oral communication skills to:	ask open and closed probe questions and actively listen to clarify contents of work orders.
Reading skills to:	- interpret: - workplace health and safety procedures - work orders - manufacturers' maintenance recommendations.
Writing skills to:	complete accurate basic records for processing and equipment faults.
Planning and organising skills to:	efficiently and logically sequence the stages of preparation and profiling activities using work order to guide activities.

Problem-solving skills to:	• identify and dispose of irreparable saw blanks • recognise faulty equipment and resolve by reporting or rectifying.
Technology skills to:	• select and use appropriate profiling and personal protective equipment • efficiently and safely profile saw blades.

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPSAW3221 Profile saw blanks Release 2	FWPSAW3221 Profile saw blanks Release 1	Minor typographical errors corrected.	Equivalent unit

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>