



Australian Government

FWPSAW3245 Join band saw blades

Release: 1

FWPSAW3245 Join band saw blades

Modification History

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 5.0.

Application

This unit of competency describes the skills and knowledge required to assess the condition of band saw blades, prepare and weld meeting ends and finish the welded surface ready for operation.

The unit applies to individuals who join band saw blades in a saw technician workshop or sawmill.

All work must be carried out to comply with workplace procedures, according to state/territory health and safety regulations, legislation and standards that apply to the workplace.

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

Pre-requisite Unit

Nil

Unit Sector

Sawmilling and Processing (SAW)

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare for joining	1.1 Review work order to determine job requirements and, where required, seek clarification from appropriate personnel 1.2 Review workplace health and safety procedures, including the use of personal protective equipment, equipment lock-out and safe manual handling techniques

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	<p>1.3 Identify, assess and take actions to mitigate risks and hazards associated with joining band saw blades</p> <p>1.4 Identify workplace environmental protection procedures for minimising and disposing of waste material, cleaning tools and equipment, and maximising energy efficiency</p> <p>1.5 Select appropriate repair and maintenance equipment and check for operational effectiveness according to manufacturer recommendations</p>
2. Join or repair band saw blade	<p>2.1 Obtain saw blank and cut to length or cut existing blade at weld defect</p> <p>2.2 Trim ends to obtain correct back alignment and pitch and/or shape to assist metal penetration</p> <p>2.3 Set up and pre-heat blade ends and jig to specified tolerances</p> <p>2.4 Apply weld to ensure metal penetrates through blade thickness and is protected from accidental contact</p> <p>2.5 Loosen clamps and anneal joint immediately after welding</p> <p>2.6 Grind surplus weld material from blade without overheating</p>
3. Finish band saw blade	<p>3.1 Finish blade to eliminate bumps in blade surface</p> <p>3.2 Identify damaged blades or those with sub-standard joints, and dispose of these according to environmental protection practices</p> <p>3.3 Package band saw for protection during return to service</p> <p>3.4 Identify routine processing and equipment faults and resolve or report to appropriate personnel</p>

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.

Skill	Description
Reading	<ul style="list-style-type: none"> Extracts key information from operational manuals to determine safe operating procedures for equipment

Skill	Description
Writing	<ul style="list-style-type: none"> Prepares routine written reports using required format, language and structure
Oral communication	<ul style="list-style-type: none"> Employs active listening and questioning to clarify content of work orders
Numeracy	<ul style="list-style-type: none"> Completes precise calculations to determine if a blade will fit on the band saw when shortened Uses standard units of measurement when marking out blanks for cutting to length Uses arithmetic skills to calculate position of cutting lines to maintain correct tooth pitch
Navigate the world of work	<ul style="list-style-type: none"> Understands main tasks, responsibilities and boundaries of own role
Interact with others	<ul style="list-style-type: none"> Uses modes of communication suitable to purpose to confirm and clarify understanding
Get the work done	<ul style="list-style-type: none"> Recognises and responds to routine problems

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPSAW3245 Join band saw blades	FWPSAW3214 Join band saw blades	Reworded application statement; updated workplace health and safety requirements; removed performance criteria regarding removing blade from machine; added performance criteria to clarify process; split element 2; specified the types of band saw blades in performance evidence	Equivalent unit

Links

Companion Volumes, including Implementation Guides, are available at VETNet: - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>