



Australian Government

FWPSAW3214 Join band saw blades

Release: 2

FWPSAW3214 Join band saw blades

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 assess the condition of band saw blades, to prepare and weld meeting ends and to finish the welded surface ready for operation. 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 joining	1.1 Review work order and where required check with appropriate personnel. 1.2 Select appropriate repair, maintenance and personal protective equipment and check for operational effectiveness in line with manufacturer's recommendations.

	1.3 Remove band saw blades from machinery. 1.4 Plan joining process in line with work order.
2. Join or repair band saw blade	2.1 Follow organisational safety procedures throughout all maintenance and repair processes. 2.2 Obtain saw blank and cut to length or cut existing blade at weld defect. 2.3 Trim ends to obtain correct back alignment and pitch and/or shape to assist metal penetration. 2.4 Set up ends to specified tolerances in welder. 2.5 Apply weld to ensure metal penetrates through blade thickness and protect from accidental contact. 2.6 Grind surplus weld material from blade without burning or annealing metal. 2.7 Finish blade to eliminate bumps in blade surface. 2.8 Identify damaged blades or those with or sub-standard joins and dispose of these in line with environmental protection practices. 2.9 Package band saw for protection during return to service. 2.10 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.

Learning skills to:	- complete precise calculations to: - cut blanks to correct length - determine required tolerances.
Oral communication skills to:	ask open and closed probe questions and actively listen to clarify contents of work order.
Reading skills to:	- interpret of documents: - workplace health and safety and other organisational 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 stages of preparation and repair work using work order to guide activities.
Problem-solving skills to:	- assess condition of welds and rectify faults through correct welding process - identify and dispose of unserviceable and damaged blades - recognise faulty equipment and resolve by reporting or rectifying.
Technology skills to:	- select and use appropriate repair, maintenance and personal protective equipment for joining saw blades - efficiently and safely weld saw blades.

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPSAW3214 Join band saw blades Release 2	FWPSAW3214 Join band saw blades 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-3509f8d3d47>