

Title	Demonstrate knowledge of the grinding of bandwheels		
Level	3	Credits	5

Purpose	People credited with this unit standard are able to demonstrate knowledge of the bandwheel grinding preparation process and grinding operation.
----------------	---

Classification	Solid Wood Manufacturing > Saw Doctoring
-----------------------	--

Available grade	Achieved
------------------------	----------

Guidance Information

- 1 Reference
Williston, E. M. *Saws: Design, Selection, Operation, Maintenance* (San Francisco: Miller Freeman, 1989). ISBN-10: 0879300736, ISBN-13: 978-0879300739.
- 2 Definition
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 be in accordance with workplace procedures, accepted industry practice, and the reference text listed above.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of the bandwheel grinding preparation process.

Performance criteria

- 1.1 Reasons for grinding bandwheels are explained.

- 1.2 Procedure for preparing bandsaws for bandwheel grinding is explained.
- 1.3 Flat and crown bandwheels are differentiated with regard to profile and performance.
- 1.4 Selection, checking, and lubrication procedures for preparing grinding equipment are explained.

Range grinding equipment may include but is not limited to – barrel, slide, grinding heads, grinding motor, squares, tee bar, dial indicator gauge, measuring tape.

- 1.5 Hot work and safety requirements are described.
- 1.6 Personal protective equipment required for bandwheel grinding is identified.

Outcome 2

Demonstrate knowledge of the bandwheel grinding operation.

Performance criteria

- 2.1 Stages in the bandwheel grinding operation are outlined.
- 2.2 Specifications for bandwheel grinding are explained in terms of coverage, profile, wear removal, and deburring.
- 2.3 The purpose and methods of checking requirements are explained.

Range bandwheel face, circumference.

Planned review date	31 December 2024
----------------------------	------------------

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	10 February 1999	31 December 2012
Review	2	18 December 2006	31 December 2012
Rollover and Revision	3	15 April 2011	N/A
Review	4	24 September 2020	N/A

Consent and Moderation Requirements (CMR) reference	0013
--	------

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 if you wish to suggest changes to the content of this unit standard.