



Australian Government

FBPSUG2018 Undertake forming, bending and shaping

Release: 1

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Modification History

Release	Comments
Release 1	This version released with FBP Food, Beverage and Pharmaceutical Training Package Version 2.0.

Application

This unit of competency describes the skills and knowledge required to carry out forming, bending and shaping operations. It includes hot or cold forming of pipes, cylinders, cones, angles, and ductwork using presses, shapers, benders and drop hammers.

The unit applies to individuals who work under supervision in the sugar milling industry.

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 occupational licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Sugar milling (SUG)

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 forming, bending and shaping to meet specifications	1.1 Identify forming, bending and shaping requirements according to job specifications 1.2 Select, fit and use personal protective equipment according to health and safety procedures in the workplace 1.3 Select materials according to specifications 1.4 Set up and adjust the equipment according to operating procedures

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.5 Prepare simple templates according to specifications 1.6 Conduct pre-operational equipment checks according to operating procedures 1.7 Identify and report health and safety hazards and maintenance requirements
2. Operate forming, bending and shaping equipment to achieve required outcome	2.1 Start and operate and shut down the lathe according to operating procedures 2.2 Position and clamp materials accurately in the machine according to operating procedure 2.3 Adjust equipment to meet operating requirements 2.4 Ensure the work area is maintained to meet workplace cleaning standards
3. Form, bend and shape material	3.1 Level, straighten, roll, press or bend material according to specifications 3.2 Form and shape material to size 3.3 Check final form or shape for compliance to specifications 3.4 Identify and correct non-conforming shapes as required

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	- Identify routine forming, bending and shaping requirements, including tolerances, dimensions and finishes, from written work instructions and technical drawings and sketches - Interpret standard operating procedures
Numeracy	- Select and set machine stops - Measure and calculate to specified tolerances and dimensions - Check for conformance to specification
Navigate the world of	- Apply workplace procedures relevant to own role - Understand main tasks, responsibilities and boundaries of own role

Skill	Description
work	
Interact with others	Follow accepted practices to communicate and report information about operations, operational maintenance and safety
Get the work done	- Recognise and make routine decisions to respond to non-conforming components - Identify and correct problems, including effects of tool wear, and incorrect set-up

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FBPSUG2018 Undertake forming, bending and shaping	FDFSUG230A Undertake forming, bending and shaping	Updated to meet Standards for Training Packages	Equivalent unit

Links

Companion Volume Implementation Guides are found in VETNet: -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=78b15323-cd38-483e-aad7-1159b570a5c4>