



Australian Government

FBPSUG2026 Perform general drilling operations

Release: 1

FBPSUG2026 Perform general drilling operations

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 general drilling operations using a radial arm drill.

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 drilling operations	1.1 Identify drilling requirements according to specifications 1.2 Select, fit and use personal protective equipment according to workplace safety procedures 1.3 Ensure the workplace meets and is maintained according to workplace cleaning standards 1.4 Collect and prepare materials to be drilled

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 Set up drill according to specified drilling requirements 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 drill to achieve specifications	2.1 Position and clamp materials for drilling operation according to operating procedures 2.2 Start, operate and shut down the drill according to operating procedures 2.3 Check work against specifications 2.4 Identify non-conforming components, and correct as required 2.5 Undertake basic routine operational maintenance according to workplace procedures

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 drilling-task-related information and specifications from drawings and work instructions
Numeracy	- Select drill sizes and drilling speeds and feeds - Identify non-conforming hole depths and diameters
Navigate the world of work	- Apply workplace procedures relevant to own role - Understand main tasks, responsibilities and boundaries of own role
Interact with others	Follow accepted communication practices to exchange information about drilling operations, operational maintenance and safety
Get the work done	- Recognise and make routine decisions to respond to non-conforming components - Identify and correct routine drilling problems

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FBPSUG2026 Perform general drilling operations	FDFSUG226A Perform general drilling operations	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>

Assessment Requirements for FBPSUG2026 Perform general drilling operations

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Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has performed general drilling operations in line with workplace contexts and demonstrated each of the following points at least once:

- identified drilling requirements
- safely set up and conducted pre-start checks of drilling equipment
- selected and fitted personal protective equipment (PPE)
- collected and prepared materials according to job and equipment requirements
- confirmed that drilled components conform to specification
- safely operated, monitored and adjusted drilling process and equipment
- maintained workplace cleaning standards
- safely shut down drilling equipment
- reported health and safety risks and maintenance requirements in the workplace.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- drilling principles and practices
- workplace operating procedures and practices for drilling operations
- purpose and operating principles of drilling and accessories, including equipment operating capacities
- care, maintenance and storage of drill parts and accessories
- scope to adjust machining parameters and related effect on outcome
- the impact of machining parameters and materials used on tool life
- hazards related to the operation of the drill and related equipment
- workplace cleaning standards for the work area relevant to drilling operations.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a sugar milling workplace or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - PPE
 - functioning drills
 - relevant measuring instruments
 - materials to be drilled
 - drawings, templates and specifications as required for task
- specifications:
 - operating procedures and related advice on equipment operation, including advice on safe work practices and environmental requirements
 - workplace information requirements and procedures.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

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