



**Australian Government**

# **MEM18013 Perform gland packing**

**Release: 1**

# MEM18013 Perform gland packing

## Modification History

Release 1. Supersedes and is equivalent to MEM18013B Perform gland packing

## Application

This unit of competency defines the skills and knowledge required to inspect glands and gland packing and remove and replace or top up gland packing. It applies to packing for high or low temperatures and pressures, solids, gases and liquids.

Where interpretation of technical drawings is required unit MEM09002 Interpret technical drawing should also be selected.

Where the selection and use of power tools/hand held operations is required unit MEM18002 Use power tools/hand held operations should also be selected.

Where skills that relate to maintaining simple gland top-ups in non-critical applications and routine gland maintenance are required unit MEM18006 Perform precision fitting of engineering components should be selected.

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

**Band: A**

**Unit Weight: 2**

## Pre-requisite Unit

MEM11011	Undertake manual handling
MEM12023	Perform engineering measurements
MEM13015	Work safely and effectively in manufacturing and engineering
MEM16006	Organise and communicate information
MEM18001	Use hand tools

## Competency Field

Maintenance and diagnostics

## Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

- |   |   |     |   |
|---|---|-----|---|
| 1 | <b>Determine job requirements</b>                 | 1.1 | Follow standard operating procedures (SOPs)   |
|   |   | 1.2 | Comply with work health and safety (WHS) requirements at all times  |
|   |   | 1.3 | Use appropriate personal protective equipment (PPE) in accordance with SOPs   |
|   |   | 1.4 | Identify job requirements from specifications, job sheets or work instructions  |
| 2 | <b>Inspect glands and gland packing</b>           | 2.1 | Apply principles of gland packing   |
|   |   | 2.2 | Inspect stuffing box assembly and gland packing and determine packing requirements  |
| 3 | <b>Remove and replace or top up gland packing</b> | 3.1 | Extract or remove gland packing using appropriate engineering techniques, tools and equipment                                       |
|   |   | 3.2 | Select correct and appropriate gland packing and cut to size and shape to conform to application and/or specifications              |
|   |   | 3.3 | Fill the stuffing box with packing material and reassemble the gland using site procedures or manufacturers' recommended procedures |

## Foundation Skills

This section describes those required skills (reading, writing, oral communication and numeracy) that are essential to workplace performance in this unit of competency.

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

## Range of Conditions

This field allows for different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

**Packing includes one (1) or more of the following:**

- flat
- ribbon
- round
- square
- moulded
- dry
- lubricated

**Packing material includes one (1) or more of the following:**

- carbon
- hemp
- rubber
- leather
- Teflon
- felt
- neoprene

## Unit Mapping Information

Release 1. Supersedes and is equivalent to MEM18013B Perform gland packing

## Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b7050d37-5fd0-4740-8f7d-3b7a49c10bb2>