

<b>Title</b>	<b>Use tube and coupler in standing proprietary scaffolds</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>6</b>

<b>Purpose</b>	People credited with this unit standard are able to use tube and coupler to: create ties, rakers, guardrails and midrails; link towers; and provide additional bracing, in standing proprietary scaffolds.
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<b>Classification</b>	Lifting Equipment > Elementary Scaffolding
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 This unit standard has been developed for learning and assessment on-job or off-job in a simulated environment. Where supervision is required by law, the supervisor must hold the appropriate Certificate of Competence for the scaffolding work undertaken.
- 2 All tasks are to be carried out in accordance with:
  - a quality management systems;
  - b designer requirements and manufacturer operating instructions; legislation, regulations, bylaws, Health and Safety at Work Act 2015, and Health and Safety in Employment Regulations 1995;
  - c the most up to date version of the *Good Practice Guidelines - Scaffolding in New Zealand (GPG)*, 2016 available from <https://www.worksafe.govt.nz/topic-and-industry/working-at-height/scaffolding-in-new-zealand/>; and all subsequent amendments and replacements.
- 3 Definition  
*Scaffolding* is as defined in the GPG and in the Health and Safety in Employment Regulations 1995.
- 4 Training and assessment  
Those undertaking assessment against this unit standard should note that work in the scaffolding industry usually takes place at heights well above ground level, and therefore requires a relevant level of physical fitness and ability to work at heights.

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### Outcomes and performance criteria

#### Outcome 1

Use tube and coupler to create ties in standing proprietary scaffolds.

Range at least three scaffolds.

**Performance criteria**

- 1.1 Select the type of tie that best suits each standing scaffold.
- 1.2 Calculate expected loads.
- 1.3 Use fittings and equipment.
- 1.4 Identify situations when an engineer's certificate may be required when tying to structure.

**Outcome 2**

Use tube and coupler to create rakers in standing proprietary scaffolds.

**Performance criteria**

- 2.1 Calculate the angle and length of each raker.
- 2.2 Identify and use the correct type of fittings.
- 2.3 Use correct application for check fittings.
- 2.4 Determine ground condition in relation to any packing needed under raker.
- 2.5 Brace rakers.

**Outcome 3**

Use tube and coupler to create guardrails and midrails in standing proprietary scaffolds.

**Performance criteria**

- 3.1 Identify correct height of guardrails and midrails.
- 3.2 Use correct type of fittings.
- 3.3 Make safe platforms to work on.

**Outcome 4**

Use tube and coupler to link towers in standing proprietary scaffolds.

**Performance criteria**

- 4.1 Connect load bearing fittings to tubes linking towers.
- 4.2 Link towers with ledgers.
- 4.3 Link bays with sufficient guardrails and midrails.

**Outcome 5**

Use tube and coupler to provide additional bracing in standing proprietary scaffolds.

**Performance criteria**

- 5.1 Erect all additional bracing.
- 5.2 Confirm stability of scaffold.

<b>Planned review date</b>	31 December 2026
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**Status information and last date for assessment for superseded versions**

Process	Version	Date	Last Date for Assessment
Registration	1	27 November 2002	31 December 2016
Review	2	23 March 2006	31 December 2016
Review	3	16 July 2015	31 December 2019
Rollover and Revision	4	23 November 2017	31 December 2023
Review	5	24 February 2022	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0003
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

**Comments on this unit standard**

Please contact Waihangā Ara Rau Construction and Infrastructure Workforce Development Council [qualifications@waihanga.nz](mailto:qualifications@waihanga.nz) if you wish to suggest changes to the content of this unit standard.