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| Title | Use tube and coupler in standing proprietary scaffolds | | |
| Level | 3 | Credits | 6 |

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| Purpose | 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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| Classification | Lifting Equipment > Elementary Scaffolding |
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| Available grade | 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.

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.

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| Planned review date | 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 2025 |
| Review | 5 | 24 February 2022 | N/A |
| Revision | 6 | 24 August 2023 | N/A |

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| Consent and Moderation Requirements (CMR) reference | 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 Waihanga Ara Rau Construction and Infrastructure Workforce Development Council qualifications@waihangaararau.nz if you wish to suggest changes to the content of this unit standard.