

Title	Maintain tools and equipment used in concrete sawing and drilling operations		
Level	4	Credits	8

Purpose	<p>This unit standard is intended for people working in the construction industry.</p> <p>People credited with this standard can maintain tools and equipment used in concrete sawing and drilling operations to the level of performance required of a commercially competent tradesperson.</p>
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Classification	Concrete > Concrete Construction
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Available grade	Achieved
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Guidance Information

1 Assessment

This unit standard is intended to align with the *New Zealand Certificate in Concrete (Specialist) – Specifications* and the *New Zealand Certificate in Concrete (Specialist) (Level 4)* [Ref: 4186].

Evidence for this unit standard must reflect commercial competence.

Commercial competence refers to the ability to demonstrate knowledge and skills in the context of the currently accepted requirements of a business operating in a commercial environment.

Commercial competence must be confirmed by a person with current expertise in concrete sawing and drilling.

2 Definitions

Concrete sawing and drilling operations refers to deep floor sawing, track mounted wall sawing and wire sawing, large core and deep drilling of concrete structures on-site.

Workplace procedures refers to the documented procedures specific to a workplace that set out the standards and required practices of that workplace.

3 Legislation, standards and guidance information relevant to this standard includes the following; and any subsequent amendments and replacements:

Specifications available from qualifications@waihanga.nz

- *New Zealand Certificate in Concrete (Specialist) – Specifications*, BCITO, October 2020.

Legislation accessed at www.legislation.govt.nz

- Health and Safety at Work (General Risk and Workplace Management) Regulations 2016.

Guidelines and Approved Codes of Practice accessed at www.worksafe.govt.nz

- *Practical Guide for Working Safely With Hazardous Substances*
- *The Absolutely Essential Health and Safety Toolkit*.

New Zealand Guide to Concrete Construction 2011 (Revised Edition) accessed at www.concretenz.org.nz.

Skill specification and performance level guidance

Skill specification

Maintain tools and equipment used in concrete sawing and drilling operations.

Knowledge

The types and purpose of concrete saws used for concrete sawing operations.

Range types include – handsaw, slab saw, wall saw, bar saw, ring saw and wire saw. evidence is required for a minimum of three saws.

The types and purpose of drills used for concrete drilling.

Range types include large core and deep drilling.

The types and purpose of safety equipment used in concrete sawing and drilling.

Range three items of safety equipment.

The maintenance requirements for power tools used to saw and drill concrete.

Range two sawing tools and two drilling tools.

The maintenance requirements of equipment used in sawing and drilling concrete.

Range one item of sawing equipment, one item of safety equipment, one item of drilling equipment.

Skills

Maintain tools and equipment used for concrete sawing and drilling.

Range maintenance includes – routine checks, inspections, cleaning and basic repair.

Performance level guidance

Performance must reflect current regulatory, industry and commercial standards relevant to concrete sawing and drilling, and workplace procedures and manufacturer's instructions.

Sawing and drilling equipment includes personal protection and environmental protection equipment.

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 January 2022	N/A

Consent and Moderation Requirements (CMR) reference	0048
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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 at qualifications@waihanga.nz if you wish to suggest changes to the content of this unit standard.