

41140 Saw and drill concrete using hand-held power tools for tasks of standard complexity

Kaupae Level	3
Whiwhinga Credit	15
Whāinga Purpose	<p>This skill standard is intended for people working in or entering the construction trades.</p> <p>People credited with this skill standard have the skills to saw and drill concrete using hand-held power tools for tasks of standard complexity.</p> <p>This skill standard aligns with the New Zealand Certificate in Concrete Construction Skills (Level 3) [Ref: 4189] and may also contribute to other construction and infrastructure qualifications.</p>

Hua o te ako me Paearu aromatawai | Learning outcomes and assessment criteria

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
1. Saw and drill concrete using hand-held power tools.	a. Hand-held power tools are checked and prepared for safe use in line with sawing and drilling tasks requirements, manufacturer's instructions and industry standards.
	b. The work area is prepared to protect surrounding surfaces, self, others, and the environment.
	c. Concrete is sawn and drilled safely and effectively in line with plans and specifications and industry standards.
	d. Dust, slurry, and debris are controlled in line with environmental and safety requirements.

Pārongo aromatawai me te taumata paearu | Assessment information and grade criteria

Assessment specifications:

To achieve this standard the candidate must be capable of sawing and drilling concrete using hand-held power tools for tasks of standard complexity to industry standards under limited supervision.

Evidence for this standard must include correct use of personal protective equipment (PPE) while undertaking sawing and drilling with hand-held power tools.

Industry standards must reflect industry best practice, workplace procedures, and be within acceptable tolerances as defined in New Zealand codes, standards and regulations.

Plans and specifications can include working drawings, plan specifications, manufacturer specifications, installation instructions and demolition and project plans.

Evidence for this standard must be demonstrated:

- to current and relevant Legislation, Standards, and Codes (including safety),
- in an environmentally sustainable manner, and
- with acceptable behaviours.

Definitions:

Acceptable behaviours refer to professional behaviours expected in a construction environment. This includes working safely with others, communicating effectively, following workplace procedures, respecting people, tools, equipment, and materials, and responding appropriately to hazards and changing work conditions.

Standard complexity refers to routine sawing and drilling tasks carried out using familiar hand-held power tools for straightforward concrete elements, for example, slabs, walls, panels, or openings where cutting or drilling may be required for joints, fixings or service penetrations.

Under limited supervision refers to candidates carrying out the requirements of this skill standard with basic guidance and indirect supervision from a suitably skilled tradesperson. They are expected to source some information independently from plans, specifications, or relevant New Zealand Standards.

Ngā momo whiwhinga | Grades available

Achieved.

Ihirangi waitohu | Indicative content

Preparation

- Selection of appropriate hand-held power tools for concrete drilling or sawing.
- Safety checks and set-up procedures.

Operation

- Drilling and sawing methods for concrete tasks.
- Dust and slurry control measures.
- Personal protective equipment requirements.

Protection

- Surfaces.
- People.
- Environment.

Rauemi | Resources

Programme Guidance information available from info@cstisb.nz.

Pārongo Whakaū Kounga | Quality assurance information

Ngā rōpū whakatau-paerewa Standard Setting Body	Construction and Specialist Trades Industry Skills Board
Whakaritenga Rārangi Paetae Aromatawai DASS classification	Planning and Construction > Concrete > Concrete Construction
Ko te tohutoro ki ngā Whakaritenga i te Whakamanatanga me te Whakaōritenga CMR	0120

Hātepe Process	Putanga Version	Rā whakaputa Review Date	Rā whakamutunga mō te aromatawai Last date for assessment
Rēhitatanga Registration	1	26 February 2026	N/A
Kōrero whakakapinga Replacement information	This skill standard replaced unit standards 32688 and 32689.		
Rā arotake Planned review date	31 December 2030		

Please contact Construction and Specialist Trades Industry Skills Board at info@cstisb.nz to suggest changes to the content of this skill standard.