

Title	Fabricate reinforcing cages by machine for concrete pipe manufacture		
Level	3	Credits	25

Purpose	People credited with this unit standard are able to: prepare to fabricate reinforcing cages by machine; fabricate reinforcing cages by machine; and complete work operations.
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Classification	Concrete > Concrete Product Manufacture
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Available grade	Achieved
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Guidance Information

1 Definitions

Specifications refer to documented specifications and may include any of the following: drawings, project or job requirements, manufacturers' specifications, recommendations or instructions, material specifications.

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

2 Evidence for this unit standard must comply with industry practice. *Industry practice* refers to the ability to demonstrate knowledge and skills that reflect the productivity, uniformity, finish quality and material economies currently accepted within industry.

3 Legislation and publications relevant to this unit standard include: Health and Safety in Employment Act 1992 and Health and Safety in Employment Regulations 1995; AS/NZS 4058:2007 *Precast concrete pipes (pressure and non-pressure)*, available from Standards New Zealand (<http://www.standards.co.nz>).

Outcomes and performance criteria

Outcome 1

Prepare to fabricate reinforcing cages by machine.

Performance criteria

1.1 Job requirements are determined from specifications.

Range shape, size, class, joint, materials.

- 1.2 Reinforcing machine is selected and set up for fabrication.
Range changeover procedure, pre-start check, adjustment of settings.
- 1.3 Required materials are selected and assembled in accordance with workplace practice.
- 1.4 A sample is produced to ensure compliance with specifications, and any required adjustments are made in accordance with workplace practice.

Outcome 2

Fabricate reinforcing cages by machine.

Performance criteria

- 2.1 Machine is loaded with raw materials in accordance with manufacturer's recommendations and workplace practice.
- 2.2 Production run is initiated and monitored to ensure product conforms to specifications, and any required actions to maintain tolerances are taken in accordance with workplace practice.
- 2.3 Product is removed from machine at end of cycle and checked to ensure compliance with specifications in accordance with workplace practice.
- 2.4 Any required spacers or nibs are checked and confirmed as in place in accordance with specifications.
- 2.5 Any required actions to ensure finished product's compliance with specifications are taken in accordance with workplace practice.

Outcome 3

Complete work operations.

Performance criteria

- 3.1 All operations are safely completed, workplace and equipment are cleaned in accordance with workplace practice and environmental safety requirements, and routine maintenance is carried out in accordance with workplace practice.
- 3.2 All documentation is completed in accordance with workplace practice.

This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	18 March 2011	31 December 2023
Review	2	28 October 2021	31 December 2023

Consent and Moderation Requirements (CMR) reference

0048

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.