

<b>Title</b>	<b>Produce detailed drawings for industrial textile fabrication products</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>6</b>

<b>Purpose</b>	People credited with this unit standard are able to: determine drawing requirements for products in the industrial textile fabrication industry; perform calculations to produce drawings; and produce product drawings.
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<b>Classification</b>	Industrial Textile Fabrication > Industrial Textile Fabrication Core Skills
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 Evidence presented for assessment against this unit standard must be consistent with safe working practices and be in accordance with applicable manufacturer's information, company requirements, industry guidelines and legislative requirements. This includes the knowledge and use of suitable tools and equipment.
- 2 Legislation, regulations and/or industry standards relevant to this unit standard include but are not limited to the Health and Safety at Work Act 2015; and any subsequent amendments and replacements.
- 3 Definitions
 

*Company requirements* refers to instructions to staff on policy and procedures that are available in the workplace. These requirements may include – company policies and procedures, work instructions, product quality specifications and legislative requirements.

*Industry guidelines* refers to those practices and procedures commonly used as standard procedures to produce items of acceptable merchantable quality in the industrial textile fabrication industry such as related textbook descriptors.

*Manufacturer's information* refers to technical information for a machine or product detailing operation; installation and servicing procedures; manufacturer instructions; technical terms and descriptions; and detailed illustrations.

*Suitable tools and equipment* refer to industry approved tools and equipment that are recognised within the industry as being the most suited to complete the task in a professional and competent manner with due regard to safe working practices.

### Outcomes and performance criteria

#### Outcome 1

Determine drawing requirements for products in the industrial textile fabrication industry.

**Performance criteria**

- 1.1 Drawing requirements are identified.
- 1.2 Drawing parameters to meet job specifications are determined.  
Range projections, views, scales, layout.

**Outcome 2**

Perform calculations to produce drawings.

**Performance criteria**

- 2.1 Calculations are undertaken to obtain construction measurements.  
Range areas, circumferences, arcs, chords, fits, tolerances, mathematical constants including pi, triangular calculations using Pythagoras' theorem, triangular calculations using trigonometric functions.
- 2.2 Dimensions to meet job specifications are selected.

**Outcome 3**

Produce product drawings.

**Performance criteria**

- 3.1 Products and assemblies are drawn to job specifications.
- 3.2 Drawings are dimensioned and labelled to job specifications.
- 3.3 Drawings are produced to documented job specifications.

<b>Replacement information</b>	This unit standard and unit standard 16704 were replaced by skill standard 40087.
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**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 July 1995	31 December 2023
Revision	2	30 October 1997	31 December 2023
Revision	3	28 May 1998	31 December 2023
Review	4	17 August 1999	31 December 2023
Review	5	26 March 2007	31 December 2023
Rollover	6	27 January 2015	31 December 2023
Review	7	25 November 2021	31 December 2026
Review	8	29 August 2024	31 December 2026

<b>Consent and Moderation Requirements (CMR) reference</b>	0014
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.