

**40127****Complete hems using industrial sewing machines**

<b>Kaupae   Level</b>	3
<b>Whiwhinga   Credit</b>	4
<b>Whāinga   Purpose</b>	<p>This skill standard is intended for people who want to learn to create hems using industrial sewing machines. These machines are used in a variety of sectors and the context will be provided through different learning experiences and assessment tasks.</p> <p>This skill standard can be used in qualifications or other credentials that incorporate industrial sewing skills.</p>

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

<b>Hua o te ako   Learning outcomes</b>	<b>Paearu aromatawai   Assessment criteria</b>
1. Create a double fold hem.	a. Double fold desired hem turnup ensuring consistent depth.
	b. Stitch in place ensuring hem sits flat with no twisting or roping.
2. Create an overlocked hem.	a. Overlock raw edge to prepare for hemming.
	b. Fold desired hem turnup ensuring consistent depth.
	c. Stitch in place ensuring hem sits flat with no twisting or roping.

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

Complete all tasks using industrial sewing machines.

Finish all tasks cleanly, removing loose threads using snips or scissors as required.

All tasks should be in accordance with product, style or garment specifications, workplace performance criteria and workplace procedures.

Assessment evidence can be from a work-based or classroom environment.

Evidence of at least two of each:

- Double fold hems
- Overlocked hems.

At least one curved hem.

### Definitions

*Double fold hem* refers to a sewing technique used to create a neat and durable edge on fabric by folding the raw edge of the fabric twice and securing it with stitches.

*Industrial sewing machine* refers to lockstitch, overlockers and any other commercial or industrial machine used for stitching.

*Lockstitch* is sometimes known as a plain sewer or single needle and refers to the traditional or standard type of stitch produced by industrial and domestic sewing machines.

*Overlocker* is sometimes known as overedge and can also include safety stitch and mock safety stitch machines. These machines have knives fitted and can cut fabric to neaten the fabric edges as these are being sewn.

*Overlocked hem* refers to a sewing technique used to finish the raw edge of fabric with an overlocker. This method creates a neat and professional-looking edge while simultaneously preventing fraying.

*Product, style or garment specifications* refer to the documentation that accompanies each manufacturing order. This documentation sets out the fabric to be used for the product, the size range of the order, the garment assembly sequence, garment finishing procedures, and the garment component specifications.

*Workplace performance criteria* refer to the expected standard and speed of performance as set by the quality control management in the candidate's workplace. These criteria are determined by the construction of the garment, the fabric being used and the quality standards that apply in the candidate's workplace. These expectations must be explained and made available to the learner prior to assessment.

*Workplace procedures* refer to the verbal or documented procedures for performing work activities and include health and safety, operational, environmental, and quality management requirements. They may refer to manuals, manufacturer's specifications, codes of practice, or policy statements.

### **Ngā momo whiwhinga | Grades available**

Achieved

### **Ihirangi waitohu | Indicative content**

- Types of hems and their uses, including how to select the appropriate hem for a project.
- Seam allowance and how that affects a hem.
- Calculating the width of a double-fold hem based on the desired finished size.
- Using templates or machine guides to assist with consistent hem width.

### **Rauemi | Resources**

Legislation, regulations and/or industry standards relevant to this skill standard include but are not limited to:

Health and Safety at Work Act 2015.

Any new, amended or replacement Acts, regulations, standards, codes of practice, guidelines, or authority requirements or conditions affecting this skill standard will take precedence for assessment purposes, pending review of this skill standard.

Legislation can be accessed at: <https://www.legislation.govt.nz>.

**Pārongo Whakaū Kouna | Quality assurance information**

<b>Ngā rōpū whakatau-paerewa  </b> Standard Setting Body	Hanga-Aro-Rau Engineering, Manufacturing and Logistics Workforce Development Council
<b>Whakaritenga Rārangi Paetae Aromatawai  </b> DASS classification	Manufacturing > Clothing Manufacture > Apparel Cutting and Sewing
<b>Ko te tohutoro ki ngā Whakaritenga i te Whakamanatanga me te Whakaōritenga  </b> CMR	0030

<b>Hātepe   Process</b>	<b>Putanga   Version</b>	<b>Rā whakaputa   Review Date</b>	<b>Rā whakamutunga mō te aromatawai   Last date for assessment</b>
<b>Rēhitatanga   Registration</b>	1	29 August 2024	N/A
<b>Kōrero whakakapinga   Replacement information</b>	N/A		
<b>Rā arotake   Planned review date</b>	31 December 2029		

Please contact Hanga-Aro-Rau Engineering, Manufacturing and Logistics Workforce Development Council at [qualifications@hangaarorau.nz](mailto:qualifications@hangaarorau.nz) if you wish to suggest changes to this skill standard.