

## 40132 Create tucks, gathers and darts 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 make tucks, gathers and darts using industrial sewing machines. These machines are used in a variety of sectors and the intention is that the context for this learning is provided by the 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

Hua o te ako   Learning outcomes	Paearu aromatawai   Assessment criteria
1. Create tucks in material using industrial sewing machines.	a. Fold the material matching notches to form tucks in accordance with job specifications.
	b. Create straight, even stitches along the folded edge of the material.
2. Create gathers in material using industrial sewing machines.	a. Gather the material, matching notches in accordance with job specifications.
	b. Secure the gathers in accordance with job specifications.
3. Create darts in material using industrial sewing machines.	a. Fold and secure the material matching notches to form the dart in accordance with job specifications.
	b. Stitch the dart from top to bottom.

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

#### Assessment specifications:

Complete all tasks using an industrial straight sewer.

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 is required of at least:

- Two different tucks
- Two different gathers, one manual and one using a gathering foot
- Two types of darts, one wedge and one fish.

### *Definitions*

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

*Dart* refers to folded and stitched folds of fabric used to shape garments to fit the contours of a shape.

*Gather* refers to a technique used to create fullness in fabric by drawing up and bunching together a section of material.

*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.

*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.

*Tuck* refers to a technique where fabric is folded and stitched to create a raised, decorative, or functional detail.

*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 and uses of tucks, such as pin tucks, stitched tucks.
- Types and uses of gathers, such as single gathers, double gathers, circular gathers, box gathers, ruching.
- Types and uses of darts, such as fish and wedge.

**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 Kounga | 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.