

**40130****Insert zips using an industrial sewing machine**

<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 insert zips using an industrial sewing machine. 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. Insert an exposed zip using an appropriate foot attachment.	a. Place zip in correct position.
	b. Insert zip using correct machine foot.
	c. Test zip to ensure material is clear of the zip mechanism, and there is no puckering.
2. Insert a lapped zip using an appropriate foot attachment.	a. Prepare seam allowance.
	b. Place zip in correct position.
	c. Insert zip using correct machine foot.
	d. Test zip to check material is clear of the zip mechanism, and there is no puckering.
3. Insert an invisible zip using an appropriate foot attachment.	a. Place zip in correct position.
	b. Insert zip using correct machine foot.
	c. Test zip to check material is clear of the zip mechanism.
	d. Sew remainder of zip seam, with no puckering.

**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 ends 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:

- Exposed zips
- Lapped zips
- Invisible zips.

***Definitions***

*Exposed zip* refers to when the zip teeth and tape are visible on the outside of the fabric.

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

*Invisible zip* refers to zips that are inserted into a seam with the teeth hidden behind the fabric layers, creating a seamless appearance.

*Lapped zip* refers to when one side of the fabric overlaps the zipper tape, partially concealing the zipper teeth, while the other side of the fabric lays flat against the tape.

*Industrial straight sewer* is a plain or single needle sewer that produces the traditional or standard type of stitch.

*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 zips, including what they are made of, their capabilities and limitations.
- Preparing material for inserting zips, such as overlocking, pressing, establishing correct seam allowances.
- Techniques for inserting each type of zip.
- Comparison of the characteristics, applications, and installation techniques of exposed zips, lapped zips, and invisible zips.

**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>	This standard replaced unit standard 17821.		
<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.