

40126**Join material using straight and curved seams using industrial sewing machines**

Kaupae Level	3
Whiwhinga Credit	4
Whāinga Purpose	<p>This skill standard is intended for people who want to learn to join material by sewing straight and curved seams 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

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
1. Join material using straight and curved seams using an industrial sewing machine.	a. Place the material pieces together aligning the edges and any notches.
	b. Sew seams ensuring they are straight, stitch formation threads are even, and stitch density meets product specifications and workplace performance criteria.
	c. Sew seams ensuring seam allowance is consistent and fabric sits flat without puckers.

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

Complete all tasks using an industrial straight sewer and an industrial overlocking machine.

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 must include:

- Three straight seams including at least one example of a French seam and one example of a flat felled seam
- Three opposing curved seams
- Three matching curved seams.

Definitions

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.

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

- Seam allowances.
- Types of straight stitches and their applications:
 - Plain sew
 - Flat Felled
 - French.
- Stitch length and tension.
- Troubleshooting common problems, such as puckering or uneven stitches.
- Techniques for transferring and marking curved seam lines.
- Clipping and notching for smooth curves.

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

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

Hātepe Process	Putanga Version	Rā whakaputa Review Date	Rā whakamutunga mō te aromatawai Last date for assessment
Rēhitatanga Registration	1	29 August 2024	N/A
Kōrero whakakapinga Replacement information	This skill standard replaced unit standards 20345 and 20347.		
Rā arotake Planned review date	31 December 2029		

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