

40128**Bag out, trim and finish a range of shapes using industrial sewing machines**

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| Kaupae Level | 3 |
| Whiwhinga Credit | 4 |
| Whāinga Purpose | <p>This skill standard is intended for people who want to learn bag out, trim and finish triangular, rectangular, semicircular and circular shapes 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 |
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| 1. Bag out shapes using an industrial sewing machine. | a. Place the material pieces together, right sides together, aligning the edges and any notches. |
| | b. Sew smooth seams with the correct seam allowance. |
| 2. Trim bagged out shapes. | a. Trim notches so that the shape lies flat. |
| | b. Trim excess fabric so that corners turn out neatly. |
| 3. Finish bagged out shapes using an industrial sewing machine. | a. Sew clean and straight topstitched lines. |
| 4. Attach bagged out shapes to a product using an industrial sewing machine. | a. Use locator markings or notches to guide placement. |
| | b. Attach the bagged out shape, ensuring locator markings are not visible in the finished product. |

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

Complete all tasks using an industrial sewing 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.

Assessment evidence may be collected from more than one project and must include the use of at least two different materials.

Bagging out assessment tasks must include two different:

- Semicircular or circular shapes
- Triangular shapes
- Rectangular shapes
- Examples of attaching a bagged out shape to products.

The assessment tasks must include at least two examples of:

- Top stitching
- Edge stitching
- Under stitching.

Definitions

Bag out refers to a project where the fabric pieces are sewn together with the right sides facing each other, leaving an opening. After sewing, the component is turned inside out through this opening, effectively concealing the raw edges and creating a clean, finished appearance.

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 safety stitch and mock safety stitch. 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

- Bagging out as a sewing technique for creating finished edges.
- Techniques for trimming excess fabric to achieve cleaner finishes and reduce bulk.
- Trimming curves and corners in a variety of shapes and materials.
- Applying bagged out shapes to other products includes tasks such as attaching pockets, collars and cuffs.
- Finishing techniques, such as topstitching and understitching and when to use them.

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

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| 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 replaces unit standards 17818, 17819 and 17820. | | |
| 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.