



Australian Government

Department of Education, Employment and Workplace Relations

LMTTX2005B Perform creeling operations

Revision Number: 1

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Modification History

Not applicable.

Unit Descriptor

Unit descriptor This unit covers the skills and knowledge to perform creeling or beaming operations.

Application of the Unit

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The unit applies to skills associated with loading cones onto creels in warping or spinning machine or weaving or tufting loom.

Creeling is performed during weaving, wafting, spinning or tufting operations. Yarn requirements are set by textile pattern specifications and may be complex, with numerous cones in operation at any one time.

Work may be conducted in small to large scale enterprises and may involve individual and team activities.

The application of this unit is according to OHS practices of the enterprise and workplace practices, which may include:

- requirements prescribed by legislation, awards, agreements and conditions of employment
- standard operating procedures
- work instructions
- oral, written and visual communication
- quality practices, including responsibility for maintenance of own work quality and contribution to quality improvement of team or section output
- housekeeping
- tasks related to environmental protection, waste disposal, pollution control, and recycling

This unit requires the application of skills associated with planning and organising for the safe and efficient use of creeling technology. This unit also requires the ability to check the quality of products, identify and communicate inconsistencies or other problems and complete workplace documentation. Self management skills are applied to ensure workplace and quality standards are achieved.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Prerequisites

Employability Skills Information

Employability Skills This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Not applicable.

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1 Set up and load creels	1.1 Production specifications are checked to identify requirements for yarn quantity, quality and colour as required. 1.2 Yarn batch is checked to ensure conformity to specifications. 1.3 Non-conforming materials are reported. 1.4 Cones are loaded onto creeling magazine. 1.5 Yarn is tied or spliced into creel and entered into the reed, accumulators, tension and clearing devices as required. 1.6 Yarns are checked to ensure they are straight, flat and aligned.
2 Maintain continuous flow of yarn during production	2.1 Tension settings are adjusted to meet production requirements. 2.2 Sensors are checked for operation as required. 2.3 Broken yarn is identified. 2.4 Yarn is retied using weaver's knots, alternative tying tools or methods. 2.5 Yarn flow is maintained according to the need and speed of the machine and <i>OHS practices</i> . 2.6 Creels are reloaded with cones as required to achieve continuous flow of yarn. 2.7 Machine or product faults are reported or addressed.
3 Complete operations	3.1 Empty cones are despatched. 3.2 Cleaning of area and disposal of waste is completed to ensure work environment is maintained in a safe and productive manner.
4 Complete records	4.1 Production records and other documentation are accurately completed.

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

This describes the essential skills and knowledge and their level, required for this unit.

Demonstrates knowledge of:

- procedures and guidelines for safe operation of creeling magazine
- typical fault conditions and related fault finding procedures
- tying-in techniques
- quality standards and practices
- OHS practices, including hazard identification and control measures
- workplace practices
- recording and reporting practices

Demonstrates skills to:

- start and stop machines according to specifications
- recognise, rectify and report faults or problems
- confirm compliance to operational specifications
- read, interpret and follow information on work specifications, standard operating procedures and work instructions, and other reference material
- maintain accurate records
- communicate within the workplace
- sequence operations
- meet specifications
- clarify and check task-related information
- carry out work according to OHS practices

Evidence Guide

The Evidence Guide provides advice on assessment and must be read in conjunction with the Performance Criteria, Required Skills and Knowledge, the Range Statement and the Assessment Guidelines for the Training Package.

Critical aspects of evidence to be considered	Demonstrates skills and knowledge to: <ul style="list-style-type: none">• check specifications to meet production requirements• load and unload creeling magazine• tie and splice yarn• maintain continuous flow to machine• complete records accurately and completely• apply OHS practices in work operations
Consistency in performance	Consistently applies skills and knowledge when: <ul style="list-style-type: none">• organising work• completing tasks according to instructions• working systematically with attention to detail according to instructions• identifying improvements and avoiding damage• using workplace practices• using OHS practices• recording and reporting accidents and incidents• assessing operational readiness of equipment• recognising and adapting to cultural differences in the workplace, including modes of behaviour and interactions
Resource implications	Access is required to real or appropriately simulated situations, including work areas, materials and equipment, and to information on workplace practices and OHS practices.
Context for assessment	Assessment may occur on the job or in an appropriately simulated environment.
Interdependent assessment	This unit may be assessed independently or in combination with other relevant units.

Range Statement

RANGE STATEMENT

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the Performance Criteria, is detailed below. Add any essential operating conditions that may be present with training and assessment depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts.

Legislative/regulatory requirements All work must comply with relevant Federal and State or Territory legislative or regulatory requirements.

OHS practices OHS practices include hazard identification and control, risk assessment and implementation of risk reduction measures specific to the tasks described by this unit, and may relate to:

- manual handling techniques
- standard operating procedures
- personal protective equipment
- safe materials handling
- taking of rest breaks
- ergonomic arrangement of workplaces
- following marked walkways
- safe storage of equipment
- housekeeping
- reporting accidents and incidents
- environmental practices

Unit Sector(s)

Sector Textile Production