



Australian Government

Department of Education, Employment and Workplace Relations

LMTTX2016B Perform knotting for weaving 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 knotting to support weaving operations.

Application of the Unit

Application of the Unit

The unit applies to skills associated with loading beams onto looms for weaving and attaching yarn using a knotting machine, manual knotting processes or a tying stand. Knotting is undertaken as part of the weaving or tufting loom process.

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 knotting of yarn. This unit also requires problem solving skills to ensure conformance of yarn, repair yarn and check the quality of knots. Communication skills are required to check production specifications 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 beams	1.1 Production specifications are checked to identify requirements for yarn quantity, quality and colour. 1.2 Yarn batch and pattern is checked to ensure conformity to specifications. 1.3 Non-conforming materials are reported. 1.4 Beams are loaded onto weaving machine.
2 Knot yarn for weaving	2.1 Yarn is prepared for knotting using leases. 2.2 Yarn is knotted using knotting machine or manual knotting techniques. 2.3 Broken yarn is identified and repaired.
3 Test knots	3.1 Knots are checked to ensure adequate strength. 3.2 Knots are tested during initial weaving loom operation. 3.3 Broken yarn is identified. 3.4 Yarn is re-tied using weavers knot or alternative techniques. 3.5 Machine or product faults are reported or addressed.
4 Complete operations	4.1 Empty beams are despatched. 4.2 Cleaning of area and disposal of waste is completed to ensure work environment is maintained in a safe and productive manner. 4.3 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 loading and unloading of beams
- typical fault conditions and related fault finding procedures
- tying-in and knotting techniques
- quality standards and practices
- OHS practices, including hazard identification and control measures
- workplace practices
- recording and reporting practices

Demonstrates skills to:

- perform leasing
- prepare yarn for knotting
- load and unload beams
- start and stop machines
- monitor knots for strength
- recognise, rectify and report faults or problems as required
- clean equipment as required
- perform required knotting and tying-in techniques
- 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 beams• knot yarn• take a lease• comb out warp sheets• ensure adequate product flow to weaving 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• 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