

Domain
Title:
Level: 2

JOINERY AND CABINET MAKING
Construct complex timber joints by hand

Credits: 6

Purpose

This unit standard specifies the competencies required to construct complex timber joints by hand. This includes selecting complex joints, marking out complex timber joints, cutting and chiselling complex timber joints, fitting complex timber joints, and finishing complex timber joints.

This unit standard is intended for those who work as joiners and cabinet makers.

Special Notes

1. Entry information:

Prerequisite:

- 1157-*Demonstrate basic knowledge of workplace health and safety* or demonstrated equivalent knowledge and skills.

2. To demonstrate competence, at a minimum, evidence is required of the construction of the following joints: decorative dovetail, stopped dovetail, stopped bevelled housing joint, mitred haunched, double haunched mortise and tenon, finger joints, wedged through mortise and tenon.
3. All joints in this unit must be performed by hand and include but are not limited to decorative dovetail, stopped dovetail, stopped bevelled joint, mitred haunched mortise and tenon, double haunched mortise and tenon, finger joints, wedged through mortise and tenon.
4. Assessment evidence may be collected from a real or simulated workplace in which joinery and cabinet making operations are carried out.
5. All inspection, operation and maintenance procedures associated with the use of tools and equipment shall comply with manufacturers' and company guidelines, instructions, and reasonable flat rate time.
6. '*Complex*' refers to complicated set up or function.
7. Regulations and legislation relevant to this unit standard include the following:
 - Labour Act No 11, 2007 as amended;
 - SABS 0400, NOSA, Local Authorities Act;
 - Occupational Health and Safety Regulations No. 18, 1997 and all subsequent amendments.

Quality Assurance Requirements

This unit standard and others within this subfield may be awarded by institutions which meet the accreditation requirements set by the Namibia Qualifications Authority and the Namibia Training Authority and which comply with the national assessment and moderation requirements. Details of specific accreditation requirements and the national assessment arrangements are available from the Namibia Qualifications Authority on www.namqa.org and the Namibia Training Authority on www.nta.com.na.

Elements and Performance Criteria

Element 1: Select complex joints

Performance criteria

- 1.1 Complex joints are identified from given sketches, drawings and work samples.
- 1.2 Complex joints are selected according to work requirements.

Element 2: Mark out complex timber joints

Performance criteria

- 2.1 Marking out tools are selected and safely used in line with manufacturers' specifications.
- 2.2 Joints are marked out as per specifications on drawings and sketches.
- 2.3 Marking out tools and procedures are used in line with workplace procedures.
- 2.4 Scales and measurements are interpreted and applied in line with workplace procedures.

Element 3: Cut and chisel complex timber joints

Performance criteria

- 3.1 Cutting and chiselling tools are selected, used and handled according to manufacturers' specifications and workplace procedures.
- 3.2 Cutting and chopping is undertaken according to workplace procedures.
- 3.3 Joints are cut and chiselled according to specifications detailed in drawings.

Element 4: Fit complex timber joints

Performance criteria

- 4.1 Joints are fitted according to specifications.
- 4.2 Faults in fitted joints are identified and rectified in line with workplace procedures.

Element 5: Finish complex timber joints

Performance criteria

- 5.1 Finishing products are identified and selected in line with specifications.
- 5.2 Appropriate finishing method is applied in line with specification.

Registration Data

Subfield:	Manufacturing
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