

TANZANIA BUREAU OF STANDARDS
DIRECTORATE OF STANDARDS DEVELOPMENT
BUILDING AND CONSTRUCTION ENGINEERING STANDARDS SECTION

- 1 BCDC 6(5047) P3/ Rev. TZS 256-1: 2009** Timber – Dimensions for coniferous sawn timber (Cypress and Pine)

Scope

This draft Tanzania Standard specifies dimensions for a range of coniferous sawn timber sizes in metric units.

- 2 BCDC 6 (5050) P3/ Rev. TZS 333: 2009** Timber – Determination of average moisture content of a lot

Scope

This draft Tanzania Standard specifies two methods for the determination of the average moisture content of a homogenous lot of sawn timber of the same cross-section.

- 3 BCDC6 (5132) P3/ ISO13061-1:2014** Physical and mechanical properties of wood – Test methods for small clear wood specimens – Part 1: Determination of moisture content for physical and mechanical tests.

Scope

This draft Tanzania Standard specifies oven-drying methods for determining the moisture content of wood for physical and mechanical tests on small clear wood specimens.

- 4 BCDC 6(5133) P3/ ISO 13061-2:2014** Physical and Mechanical Properties of Wood — Test Methods for Small Clear Wood Specimens — Part 2: Determination of density for physical and mechanical tests.

Scope

This draft Tanzania Standard specifies a method for determining the density of wood for physical and mechanical tests on small clear wood specimens. It may also be used to determine density of test specimens for other physical or mechanical test and/or to determine the relationship between density and other properties of wood.

- 5 BCDC 6(5134) P3/ ISO 13061-6: 2014** Physical and mechanical properties of wood — Test methods for small clear wood specimens —Part 6: Determination of ultimate tensile stress parallel to grain.

Scope

This draft Tanzania Standard specifies a method for determining the ultimate tensile stress of wood parallel to grain on small clear specimens by measuring the breaking load applied statically along the longitudinal axis of a test piece.

- 6 BCDC 6(5135) P3/ ISO 13061-7: 2014** Physical and mechanical properties of wood — Test methods for small clear wood specimens — Part 7: Determination of ultimate tensile stress perpendicular to grain.

Scope

This draft Tanzania Standard specifies a method for the determination of ultimate tensile stress of wood perpendicular to grain of small clear specimens in the radial and tangential directions by measuring the breaking load applied statically perpendicular to the longitudinal axis of a test piece.

- 7 BCDC12 (5040) P3** Timber structures – Joints made with mechanical fasteners – General principles for the determination of strength and deformation characteristics

Scope

This draft Tanzania Standard lays down general principles for the determination of the strength and deformation (slip) characteristics of joints made with mechanical fasteners.

- 8 BCDC12 (5042) P3/ ISO 10984-1: 2009** Timber structures – Dowel-type fasteners – Part 1: Determination of yield moment

Scope

This draft Tanzania Standard specifies a laboratory method for determining the yield moment of dowel-type fasteners.

- 9 BCDC12 (5043) P3/ISO 10984-2: 2009** Timber structures – Dowel-type fasteners – Part 2: Determination of embedding strength

Scope

This draft Tanzania Standard specifies laboratory methods for determining the embedding strength of solid timber, glued laminated timber and wood-based sheet products with dowel-type fasteners.

Descriptors: timber construction, fasteners, nails (fasteners), bolts, tests, compression tests, determination, and compressive strength.

- 10 BCDC 12 (5044) P3/ ISO 22389-1: 2010** Timber structures – Bending strength of I-beams – Part 1: Testing, evaluation and characterization

Scope

This draft Tanzania Standard specifies the requirements for prefabricated wood-based I-beams used as structural members in bending applications.

It gives procedures for establishing and evaluating structural capacities of prefabricated wood-based I-beams. The capacities considered are shear, moment, stiffness, bearing, and flange tension and compression. Procedures for establishing common details are given and certain end-use considerations specific to wood based I-beams are itemized.

Wood-based I-beams tested according to this standard are intended for use under covered conditions and utilize components that are able to resist the effects of moisture on structural performance due to construction delays or other conditions of similar severity, but are not intended to be permanently exposed to the weather.

It is not applicable to fire performance, formaldehyde requirements and biological durability. It does not cover manufacturing requirements for prefabricated wood-based I-beams.

NOTE- Procedures set out in this part of ISO 22389 are applicable to I-beams defined by a standard or a

manufacturer's specification that includes requirements for the flanges, webs and bonding, and production controls, including ongoing conformity assessment.

This draft standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this part of ISO 22389 to establish appropriate safety and health practices and determine the

11 BCDC12 (5045) P3/ ISO 8970: 2010 Timber structures – Testing of joints made with mechanical fasteners – Requirements for wood density

Scope

This draft Tanzania Standard specifies a method, based on density, for the selection of pieces of wood used in determining the strength and stiffness properties of connections made with mechanical fasteners.

It is assumed the wood density is normally distributed and that any deviations are reported.

This draft Standard is applicable only to specimens of wood.

NOTE- It is emphasized that the wood density is only one of the properties that can influence the strength of a joint. Other relevant properties are, for example, growth-ring size, slope of grain, toughness and hardness.

12 BCDC 12 (5046) P3/ ISO 9087: 1998 Physical and mechanical properties of wood – Test methods for small clear wood specimens – Part 1: Determination of moisture content for physical and mechanical tests.

Scope

This draft Tanzania Standard specifies a method for determining the specific resistance of wood to the extraction of nails and screws.