



## DRAFT TANZANIA STANDARD

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**Timber – Dimensions for coniferous sawn timber  
(Cypress and Pine)**

DRAFT TANZANIA STANDARDS-For Public/Stakeholders Comments Only

**TANZANIA BUREAU OF STANDARDS**

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The Building and Construction Divisional Standards Committee, under whose supervision this Tanzania Standard was prepared, consists of representatives from the following organizations;

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Commission for Science and Technology (COSTECH)  
Tanzania National Service (JKT HQ)  
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## 0 National Foreword

The Tanzania Bureau of Standards is the statutory national standards body for Tanzania, established under standards Act No. 3 of 1975, amended by Act No. 1 of 1977 and then Act No. 3 was replaced by the Act No. 2 of 2009.

This draft Tanzania Standard was prepared by BCDC 6 Sawn timber, Sawn logs and Wood based Components Technical Committee, under the supervision of the Building and Construction Divisional Committee (BCDC).

During the preparation of this draft Tanzania Standard assistance was derived from **ISO 3179: 1974, Coniferous sawn timber – Nominal dimensions** and **BS EN 1313-1:1997, Round and sawn timber. Permitted deviations and preferred sizes**, published by the International Organization for Standardization and the British Standard Institution respectively.

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## 1 Scope

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

## 2 Terminology

### Adjusting

Process by means of which every piece of a batch of constructional timber is sawn and/or machined to a uniform width and thickness.

## 3 Sizes and permissible deviations of coniferous sawn timber

### 3.1 Basic sizes

The basic cross-sectional sizes shall be as shown in table 1, and the basic lengths as shown in table 2.

### 3.2 Resawing allowance

When smaller sizes are produced by resawing from larger sizes not more than a two millimetres reduction of sizes of each piece so produced shall be allowed.

### 3.3 Permissible deviations on sizes as originally produced.

#### 3.3.1 Cross section

Minus deviations in cross section are permissible on not more than 10% of the pieces in any parcel of coniferous sawn timber.

#### 3.3.2 Thickness and widths

For thickness and widths not exceeding 100mm. the permissible deviation is minus one millimeter; plus three millimetres; the permissible deviation is minus two millimetres plus six millimetres for thickness and widths exceeding 100mm.

### 3.4 Actual sizes

The actual sizes of any piece of timber will vary with its moisture content at the time of measurement. The sizes in table 1 are to be measured at 10% moisture content.

**Table 1** – Basic sizes of coniferous sawn timber (Cross-sectional sizes)

Thickness (mm)	Width (mm)									
	25	50	75	100	125	150	175	200	225	250
16	X	X	X	X	XX	X				
19	X	XX	XX	XX	XX	X				X
25	X	XX	XX	XX	XX	X	XX	XX		X
38	X	XX	XX	XX	X	X	X	X	X	X
50	X	XX	XX	XX	XX	XX	XX	XX	X	X
63					XX	X				X
75						XX	XX	XX	X	X
100				X	X	X		X	X	X

**NOTE** – XX Recommended sizes  
X Available on request

**Table 2** – Basic lengths of sawn and planed coniferous timber  
(All dimensions are in metres)

1.80	2.10	3.00	4.20	5.10	6.00	7.20
	2.40	3.30	4.50	5.40	6.30	
	2.70	3.60	4.80	5.70	6.60	
		3.90			6.90	

**NOTE** – Lengths of six metres and over may have to be recut from larger sizes.

## 4 Reduction of coniferous sawn timber sizes by planing

### 4.1 General

Planing of coniferous timber to accurate finished sizes involves reduction of size, varying with the original sawn size and the process.

### 4.2 Reductions

The reductions appropriate for a number of purposes will be three millimetres for basic sizes up to 100mm and five millimetres for basic sizes over 100mm.

### 4.3 Permissible deviation

For all finished sizes after planing, a manufacturing deviation of  $\pm 0.5\text{mm}$  shall be allowed.

## 5 Adjusting

The following reductions shall apply to timber to be adjusted three millimetres off the width only for timber up to and including 150mm width, and five millimetres off the width for timber over 150mm width. These reductions are not additional to those of 3.2 and 3.3.2.

### 5.1 Permissible deviations

For all finished sizes after adjusting, a manufacturing deviation on the width of  $\pm 1\text{mm}$  shall be allowed