AS 3818.5:2026

Australian STANDARD®

STANDARDS Australia

Timber — Heavy structural products — Visually graded

Part 5: Mine lift guides



AS 3818.5:2026

This Australian Standard® was prepared by TM-012, Timber Grading and Preservation. It was approved on behalf of Standards Australia's Standards Development and Accreditation Committee on 22 May 2026.

This Standard was published on 5 June 2026.

The following are represented on Committee TM-012:

Australian Forest Products Association
Australian Timber Flooring Association
Construction Information Systems Limited (NATSPEC)
Engineered Wood Products Association of Australasia
Forest and Wood Products Australia
Glued Laminated Timber Association of Australia
National Centre for Timber Durability and Design Life
Tasmanian Timber Promotion Board
The University of Queensland
Timber Preservers Association of Australia
Timber Queensland

This Standard was issued for comment as DR AS 3818.5:2025

Status of this document

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ISBN: 978 1 76175 793 8

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Part 5: Mine lift guides

First published as part of AS O7-1937.
Revised and redesignated in part as AS O22-1938 and AS O23-1938.
Revised, amalgamated and redesignated as AS O22-1948.
Revised and redesignated as AS 3818.5-2003.
Previous edition 2010.
Third edition 2026.

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How to read this Standard

This page explains the meaning of the language and structure of this Standard.

Refer to Standards Australia's Standardisation Guide 006 for more details about drafting rules.

Australian and Australian/New Zealand Standards are voluntary unless they are referenced in legislation or called up in contracts.

Requirements

To conform to a Standard, all requirements in the Standard need to be met.

A requirement is any statement in the Standard which uses the word "shall".

Recommendations, permissions and possibilities

The following words are commonly used in Standards, but statements using them do not have to be followed to conform to the Standard:

(a) "should" means that something is recommended.

(b) "may" means that something is permitted.

(c) "can" means that something is possible.

Structure of Standards

A Standard always has the following parts:

(i) The Preface states who developed the Standard, what the Standard is aiming to do, and how it relates to other documents.

(ii) The Scope states what the Standard is about, what it covers and what it does not cover.

(iii) The Normative references clause lists other documents that are referenced in the Standard as part of requirements.

(iv) The Terms and definitions clause defines important terms to help with understanding the Standard.

A Standard may also include other parts, such as the following:

(1) A normative appendix sets additional requirements that need to be conformed to.

(2) An informative appendix provides additional information or guidance. They usually do not contain requirements. If an informative appendix does contain requirements, the Standard will explain when those requirements apply.

(3) A Bibliography lists documents referenced in the Standard but not as part of requirements.

Many Standards include notes. Notes provide recommendations and/or guidance only. They never contain requirements.

Preface

This Standard was prepared by the Australian members of the Joint Standards Australia/Standards New Zealand Committee TM-012, Timber Grading and Preservation, to supersede AS 3818.5:2010.

After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand decided to develop this document as an Australian Standard rather than an Australian/New Zealand Standard.

The objective of this document is to provide producers and users of mine lift guides with product requirements, including grade descriptions for visual grading of timbers, intended for use as guides for lift cages in mine shafts.

The major changes in this edition include updated requirements and enhanced consistency and alignment between all parts.

A list of all Parts in the AS 3818 series can be found in the Standards Australia online catalogue.

The terms “normative” and “informative” have been used in this document to define the application of the appendix to which they apply. A “normative” appendix is an integral part of a Standard, whereas an “informative” appendix is only for information and guidance.

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Timber — Heavy structural products — Visually graded

Part 5: Mine lift guides

1 Scope and general

1.1 Scope

This document sets out the minimum requirements for visual grading of mine lift guides intended for use as guides for lift cages in mine shafts. These minimum requirements apply at the time of grading.

1.2 Application

This document shall be used in conjunction with AS 3818.1 to specify timber mine lift guides. Some producers supply mine lift guide timbers in an unseasoned condition, with each piece sealed and wrapped after sawing.

1.3 Purpose and context of use

1.3.1 Function

Mine lift guides form the guiding runner in shafts on which the rollers or skids of the lift cage bear.

1.3.2 Action

Mine lift guides are subjected to —

(a) wear and forces from the action of the rollers or skids of the lift cage;

(b) loads transmitted through connections to the supporting structure;

(c) the effects of emergency gear that prevent lift cages from falling;

(d) the effects of exposure to damp conditions; and

(e) deterioration of the timber due to insect and fungal attack.

1.4 Normative references

The following document is referred to in the text in such a way that some or all of its content constitutes requirements of this document:

AS 3818.1, *Timber — Heavy structural products — Visually graded, Part 1: General requirements*

1.5 Terms and definitions

For the purposes of this document, the definitions given in AS 3818.1 apply.

1.6 Timber species

1.6.1 General

Species suitable for mine lift guides are listed in AS 3818.1.

NOTE 1 Species other than those listed as acceptable for mine lift guides in AS 3818.1 may be graded to this document, subject to agreement between the purchaser and supplier.

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