

Australian Standard[®]

**Timber—Heavy structural products—
Visually graded**

Part 5: Mine lift guides



This Australian Standard® was prepared by Committee TM-003, Timber Grading. It was approved on behalf of the Council of Standards Australia on 27 October 2010. This Standard was published on 15 November 2010.

The following are represented on Committee TM-003:

- A3P
- Australian Timber Flooring Association
- BRANZ
- CSIRO Manufacturing, and Infrastructure Technology
- Forest and Wood Products Australia
- Forests New South Wales
- Frame and Truss Manufacturers Association Australia
- Master Builders Australia
- New Zealand Timber Industry Federation
- Tasmanian Timber Promotion Board
- Timber and Building Materials Association (NSW)
- Timber Queensland
- University of Technology, Sydney
- Wood Processors Association

Additional Interests:

- Dr Geoff Boughton
-

This Standard was issued in draft form for comment as DR AS 3818.5.

Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee and through the public comment period.

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**Timber—Heavy structural products—
Visually graded**

Part 5: Mine lift guides

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee TM-003, Timber Grading, to supersede AS 3818.5—2003.

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

The objective of this Standard 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 objectives of this revision are as follows:

- (a) To complete an overview of the AS 3818 series, with regard to consistency and alignment between all Parts.
- (b) To change the format of this Part of the Standard series from single section to multiple sections.

This Standard is Part 5 of the AS 3818 series, *Timber—Heavy structural products—Visually graded*, which is composed of the following parts:

AS

3818	Timber—Heavy structural products—Visually graded
3818.1	Part 1: General requirements
3818.2	Part 2: Railway track timbers
3818.3	Part 3: Piles
3818.4	Part 4: Cross-arms for overhead lines
3818.5	Part 5: Mine lift guides (this Standard)
3818.6	Part 6: Decking for wharves and bridges
3818.7	Part 7: Large section sawn hardwood engineering timbers
3818.8	Part 8: Stumps and sole plates
3818.9	Part 9: Natural round treated hardwood corbels, girders and stringers
3818.10	Part 10: Building poles
3818.11	Part 11: Utility poles

Some producers supply mine lift guides timbers in the fully green condition with each piece sealed and wrapped after sawing.

An Appendix has been included to give advice on information required for purchasing orders.

The term ‘informative’ has been used in this Standard to define the application of the appendix to which it applies. An ‘informative’ appendix is only for information and guidance.

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STANDARDS AUSTRALIA
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Australian Standard
Timber—Heavy structural products—Visually graded
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Part 5: Mine lift guides
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SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard 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.

NOTE: Purchasing guidelines are given in Appendix A.

1.2 APPLICATION

This Standard shall be used in conjunction with AS 3818.1 to specify timber mine lift guides.

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 REFERENCE

The following is the normative document referenced in this Standard:

NOTE: Documents referenced for informative purposes are listed in the Bibliography.

AS

3818 Timber—Heavy structural products—Visually graded

3818.1 Part 1: General requirements

1.5 DEFINITIONS

For the purpose of this Standard, the definitions given in AS 3818.1 apply.