

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 11 June 2003 and published on 11 September 2003.

The following are represented on Committee TM-003:

Australian Timber Importers Association
CSIRO, Manufacturing and Infrastructure Technology
Curtin University of Technology
Forest and Forest Products Employment Skills Company
Housing Industry Association
Master Builders Australia
Plantation Timber Association of Australia
Queensland Forestry Research Institute
State Forests of N.S.W.
Tasmanian Timber Promotion Board
Timber Promotion Council
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Bunnings Forest Products

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PREFACE

This Standard was prepared by the Australian members of the Joint Standards Australia/Standards New Zealand Committee TM-003, Timber Grading, to supersede AS O22—1948, *Mine Guides (from Jarrah and Karri)* (withdrawn). 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 such timbers, intended for use as guides for lift cages in mine shafts.

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

- Part 1: General requirements
- Part 2: Railway track timbers
- Part 3: Piles
- Part 4: Cross-arms for overhead lines
- Part 5: Mine lift guides
- Part 6: Decking for wharves and bridges

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 guidance 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**Australian Standard****Timber—Heavy structural products—Visually graded****Part 5: Mine lift guides****1 SCOPE**

This Standard sets out minimum requirements for visual grading of mine lift guides intended for use as guides for lift cages in mine shafts.

NOTE: Purchasing guidelines are given in Appendix A.

2 APPLICATION

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

3 PURPOSE AND CONTEXT OF USE**3.1 Function**

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

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.

4 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS

3818 Timber—Heavy structural products—Visually graded

3818.1 Part 1: General requirements

5604 Timber—Natural durability ratings

5 DEFINITIONS

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

6 TIMBER SPECIES**6.1 General**

Species for mine lift guides are listed in AS 3818.1.