

Australian Standard™

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

Part 1: General requirements

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
Housing Industry Association
Master Builders Australia
Plantation Timber Association of Australia
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Part 1: General requirements

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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 3818.1—1998. 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 visually graded timber products with general requirements for the specific products covered by the other parts of this series.

This Standard is Part 1 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

It is intended to produce further parts in this series as follows:

- Part 7: Sawn engineering timbers
- Part 8: Natural round treated hardwood corbels, girders and stringers
- Part 9: Building poles
- Part 10: Poles for overhead lines

Changes from the previous edition include the addition of an Appendix to list species used for each product, which supersedes the species listed in previously published parts of the AS 3818 series.

Appendices have been included to give advice on the—

- (a) alternative means for demonstrating compliance; and
- (b) measurement of characteristics.

The terms ‘normative’ and ‘informative’ have been used in this Standard 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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STANDARDS AUSTRALIA**Australian Standard****Timber—Heavy structural products—Visually graded****Part 1: General requirements****1 SCOPE**

This Standard specifies general requirements for visual grading of hardwood and softwood intended for the specific products for which grades are defined in the other parts of this series.

NOTES:

- 1 Guidance on means for demonstrating compliance with this Standard is given in Appendix A.
- 2 Information on the natural durability of timber species is given in Appendix B.

2 APPLICATION

The specification for any product shall consist of the general requirements given in this Standard together with the relevant product description given in the appropriate part of this series.

NOTE: To use this Standard for grading structural timber products, the procedure is as follows:

- (a) Part 1 gives the general requirements for all the products covered by this series of Standards.
- (b) Appendix C lists species appropriate for the visual grades given in the parts of this series.
- (c) For each product, one of the other parts of the series specifies product requirements including grade descriptions, tolerances, and similar. In some cases, stress grades have been given for use in structural design in accordance with AS 1720.1.

3 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS

1199	Sampling procedures and tables for inspection by attributes
1399	Guide to AS 1199—Sampling procedures and tables for inspection by attributes
1604	Specification for preservative treatment
1604.1	Part 1: Sawn and round timber
1720	Timber structures
1720.1	Part 1: Design methods
1720.2	Part 2: Timber properties
3818	Timber—Heavy structural products—Visually graded
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
3818.6	Part 6: Decking for wharves and bridges
5604	Timber—Natural durability ratings