

Australian Standard[®]

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

Part 8: Stumps and sole plates

STANDARDS
Australia



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 3818.8.

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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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee TM-003, Timber Grading, to supersede AS 3818.8—2005.

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 stumps and sole plates with requirements for the visual grading and selection of species for timber products for use in building foundations.

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 from single section to multiple sections.
- (c) To move the list of species to AS 3818.1.

This Standard is Part 8 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
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 (this Standard)
3818.9	Part 9: Natural round treated hardwood corbels, girders and stringers
3818.10	Part 10: Building poles
3818.11	Part 11: Utility poles

The main considerations in the preparation of this Standard have been the strength and durability of the product. When aesthetic requirements exist, different limitations may be agreed upon between the customer and the supplier provided that all requirements for strength are met.

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.

CONTENTS

	<i>Page</i>
SECTION 1 SCOPE AND GENERAL	
1.1 SCOPE	4
1.2 APPLICATION	4
1.3 PURPOSE AND CONTEXT OF USE.....	5
1.4 NORMATIVE REFERENCES	4
1.5 DEFINITIONS	5
1.6 TIMBER SPECIES.....	6
1.7 NATURAL DURABILITY RATINGS.....	6
SECTION 2 TIMBER STUMPS AND SOLE PLATES	
2.1 GRADE REQUIREMENTS FOR SAWN TIMBER.....	7
2.2 GRADE REQUIREMENTS FOR NATURAL ROUND TIMBER.....	8
APPENDIX A PURCHASING GUIDELINES	10
BIBLIOGRAPHY	11

STANDARDS AUSTRALIA

Australian Standard

Timber—Heavy structural products—Visually graded

Part 8: Stumps and sole plates

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard sets out the minimum requirements for visually graded sawn and natural round timber stumps and sawn sole plates intended for use in contact with the ground. It applies to softwood and hardwood species and to treated and untreated timber. 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 stumps and sole plates.

The grading requirements specified in this Standard apply to timber stumps and sole plates for use as foundations in the construction of timber structures constructed in accordance with the AS 1684 series.

1.3 NORMATIVE REFERENCES

The following are the normative documents referenced in this Standard:

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

AS

- 1604 Specification for preservative treatment
- 1604.1 Part 1: Sawn and round timber
- 1684 Residential timber-framed constructions (all Parts)
- 2082 Timber—Hardwood—Visually stress-graded for structural purposes
- 2858 Timber—Softwood—Visually stress-graded for structural purposes
- 3519 Timber—Machine proof grading
- 3818 Timber—Heavy structural products—Visually graded
- 3818.1 Part 1: General requirements
- 3818.3 Part 3: Piles
- 5604 Timber—Natural durability ratings

AS/NZS

- 1748 Timber—Stress-graded—Product requirements for mechanically stress-graded timber