

Australian Standard<sup>®</sup>

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

**Part 9: Natural round treated hardwood  
corbels, girders and stringers**



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.

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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 3818.9.

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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First published as AS 3818.9—2010.

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Published by SAI Global Limited under licence from Standards Australia Limited, GPO Box 476, Sydney, NSW 2001, Australia

ISBN 978 0 7337 9712 5

## PREFACE

This Standard was prepared by the Australian members of the Joint Standards Australia/Standards New Zealand Committee TM-003, Timber Grading.

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 natural round treated hardwood corbels, girders and stringers with requirements for the visual grading of timbers intended for use in structures.

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

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

## Australian Standard

## Timber—Heavy structural products—Visually graded

## Part 9: Natural round treated hardwood corbels, girders and stringers

## SECTION 1 SCOPE AND GENERAL

**1.1 SCOPE**

This Standard sets out the minimum requirements for natural round treated hardwood corbels, girders and stringers intended primarily for use in heavy engineering projects (e.g., bridges, wharves and large timber-framed buildings). These minimum requirements apply at the time of grading.

This Standard does not cover requirements for strength and dimensions.

## NOTES:

- 1 Requirements for strength and dimensions should be specified separately.
- 2 Purchasing guidelines are given in Appendix A.

**1.2 APPLICATION**

This Standard shall be used in conjunction with AS 3818.1 to specify natural round treated hardwood corbels, girders and stringers.

## NOTES:

- 1 This Standard is intended to have general application throughout Australia but in New South Wales the *Timber Marketing Act 1977*, and in Queensland the *Timber Utilisation and Marketing Act 1987*, require prior approval of a preservative treatment and the registration and application of a brand before timber offered for sale in either of these States can be described as preservative-treated. Detailed information about the requirements of such legislation may be obtained from the State government department concerned.
- 2 This Standard recommends purchasers nominate some options and allows them to negotiate others. It also includes other guidelines for purchasers obtaining supply in accordance with this document (see Appendix A).
- 3 AS/NZS 4676 provides information on the typical life expectancy for timber species.

**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   | Specifications for preservative treatment        |
| 1604.1 | Part 1: Sawn and round timber                    |
| 3818   | Timber—Heavy structural products—Visually graded |
| 3818.1 | Part 1: General requirements                     |

**1.4 DEFINITIONS**

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