

Australian Standard™

Railway permanent way material

Part 3: Sleeper plates



Standards Australia

This Australian Standard was prepared by Committee CE/2, Railway Permanent Way Materials. It was approved on behalf of the Council of Standards Australia on 3 December 1999 and published on 14 August 2000.

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Australasian Railways Association
Australian Chamber of Commerce and Industry
Australian Industry Group
Bureau of Steel Manufacturers of Australia
Rail Track Association of Australia

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Part 3: Sleeper plates

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PREFACE

This Standard was prepared by the Standards Australia Committee CE/2, Railway Permanent Way Materials, as a revision and amalgamation of AS 1085.3—1979: *Railway permanent way material*, Part 3: *Sleeper plates*, AS 1085.9—1986: *Railway permanent way material*, Part 9: *Rolled steel clip fastening sleeper plates*, and AS 1085.16—1995: *Railway permanent way material*, Part 16: *Cast sleeper plates*.

The objective of this Standard is to provide manufacturers and purchasers with materials, dimensions and performance requirements for rolled or cast sleeper plates of clip fastening and double shoulder type intended for use with timber sleepers in railway track.

In combining the three Standards, the general requirements for sleeper plates irrespective of their method of manufacture have been set out.

This Standard covers cast iron sleeper plates and alloyed carbon steel sleeper plates within the limits for chemical composition. In the area of unalloyed carbon steel baseplates it is based on ISO 6305/2—1983, *Railway components—Technical delivery requirements—Part 2: Unalloyed carbon steel baseplates* but differs from it as follows:

- (a) This Standard contains no requirements covering working gauges, acceptance conditions or statistical quality level criteria for product.
- (b) Materials for rolling are specified by chemical analysis.
- (c) Tolerances are specified for more dimensions and are in some cases different.
- (d) A bend test has been included
- (e) Marking includes more detail.

An Appendix includes full development profiles and section properties for sleeper plates.

The standard now requires that the datum side of rolled steel sleeper plates be clearly marked and the chemical composition has been brought in line with other recently published steel standards.

This Standard does not preclude the adoption, by agreement between the purchaser and the manufacturer, of requirements other than those specified herein. The drawings in the Appendices show typical hole positions only; alternative arrangements may be negotiated with respect to hole configurations, dimensions and tolerances.

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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