

Australian Standard[®]

Railway permanent way material

Part 8: Dogspikes

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 28 October 1994 and published on 5 April 1995.

The following interests are represented on Committee CE/2:

Bureau of Steel Manufacturers

Cement and Concrete Association of Australia

Rail Track Association of Australia

Railways of Australia

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PREFACE

This Standard was prepared by the Standards Australia Committee on Railway Permanent Way Materials to supersede AS 1085.8—1988.

The objective of this Standard is to provide designers and manufacturers with requirements for dogspikes for use with steel rails. The objective of this revision is to accommodate alterations to the previous edition as follows:

- (a) Requirements have been extended to include 22 mm diameter round shank dogspikes.
- (b) Inclusion of a clause on surface roughness.
- (c) Minor editorial amendments.

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

Railway permanent way material

Part 8: Dogspikes

1 SCOPE This Standard sets out the requirements for 16 mm and 19 mm steel dogspikes with square shanks and 22 mm diameter round shank steel dogspikes for use with the steel rails specified in AS 1085.1.

NOTE: Purchasing guidelines are given in Appendix A.

2 REFERENCED DOCUMENTS The following documents are referred to in this Standard:

AS

- 1050 Methods for the analysis of iron and steel (all Methods)
- 1085 Railway permanent way material
- 1085.1 Part 1: Steel rails
- 1199 Sampling procedures and tables for inspection by attributes
- 1213 Iron and steel—Methods of sampling
- 1399 Guide to AS 1199—Sampling procedures and tables for inspection by attributes
- 1442 Carbon steels and carbon-manganese steels—Hot-rolled bars and semifinished products
- 2536 Surface texture
- 2706 Numerical values—Rounding and interpretation of limiting values
- 3679 Structural steel
- 3679.1 Part 1: Hot-rolled bars and sections
- K1 Methods for the sampling and analysis of iron and steel

AS/NZS

- ISO 9000 Quality management and quality assurance standards
- ISO 9000.1 Part 1: Guidelines for selection and use
- ISO 9004 Quality management and quality system elements
- ISO 9004.1 Part 1: Guidelines

SAA

- HB18 Guidelines for third-party certification and accreditation
- ISO 17044 Guide 44—General rules for ISO or IEC international third-party certification schemes for products

3 CHEMICAL COMPOSITION Steel used for the manufacture of dogspikes shall comply with the requirements of AS 1442, Grade U3, or Grade U5, Condition B or F.

4 METHOD OF MANUFACTURE Dogspikes shall be produced by hot or cold forging, with or without a second heat or post-forging heat treatment, and with or without secondary machining.