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Australian Standard 1085, Part 8—1978

RAILWAY PERMANENTWAY MATERIAL PART 8—DOGSPIKES



STANDARDS ASSOCIATION OF AUSTRALIA
Incorporated by Royal Charter

THE FOLLOWING INDUSTRIAL AND GOVERNMENTAL ORGANIZATIONS departments were officially represented on the committee entrusted with the preparation of this standard:

Associated Chambers of Manufactures of Australia

Bureau of Steel Manufacturers of Australia

Railways of Australia Committee

This standard, prepared by Committee CE/2, Railway Permanent Way Materials, was approved on behalf of the Council of the Standards Association of Australia on 27 February 1978, and was published on 1 June 1978.

The specification is intended to include the technical provisions necessary for the supply of the materials herein referred to, but does not purport to comprise all the necessary provisions to a contract.

To keep abreast of progress in industry, Australian standards are regularly reviewed. Suggestions for improvements to published standards, addressed to the head office of the Association, are welcomed.

AUSTRALIAN STANDARD SPECIFICATION

**RAILWAY PERMANENT
WAY MATERIALS**

**Part 8
DOG SPIKES**

AS 1085, Part 8—1978

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PREFACE

This part of AS 1085 was prepared by the Association's Committee on Railway Permanent Way Materials, as the revision and metrication of AS E28—1964, Dogspikes, which it accordingly supersedes.

This standard does not preclude the adoption, by agreement between the purchaser and the manufacturer, of requirements other than those specified herein.

This standard may require reference to the following standard:

AS 1442 Hot-rolled Carbon Steels and Carbon-Manganese Steels
(Bars and Semi-finished Products) (Metric Units)

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STANDARDS ASSOCIATION OF AUSTRALIA
Australian Standard Specification
for
RAILWAY PERMANENT WAY MATERIAL

PART 8—DOGSPIKES

1 SCOPE. This specification applies to steel dogspikes for use with the steel rails specified in AS 1085, Part 1.*

NOTE: It is essential that the purchaser supply the manufacturer with certain information when enquiring about or ordering dogspikes to this specification. Purchasing guidelines are given in Appendix B.

2 STEELMAKING PROCESS. The steel used for the manufacture of the dogspikes shall be made by an open hearth, a basic oxygen, or an electric process. For the purpose of this specification, a basic oxygen process means the process of making steel in a basic converter blown with commercially pure oxygen.

3 MATERIAL. The steel used for the manufacture of dogspikes shall comply with Grade S3 of AS 1442.†

4 SHAPE AND DIMENSIONS. The dogspikes shall be free from harmful cracks, ragged edges or other injurious mechanical defects and shall conform to the shapes and dimensions shown in Appendix A, subject to the tolerances set out in Table 1.

TABLE 1
DIMENSIONAL TOLERANCES

Dimension	Tolerance
Thickness of shank	± 0.4 except for first 20 mm length under head where plus tolerance may be increased to 0.8
Length of spike	± 3
Length of head	+ 1.5 - 0.8
Width of head	+ 1.5 - 0.8
Thickness of head	+ 2.3 0
Angle under head	± 0.8 at point

*AS 1085, Railway Permanent Way Material, Part 1—Steel Rails.

†AS 1442, Hot-rolled Carbon Steels and Carbon-Manganese Steels (Bars and Semi-finished Products) (Metric Units).