

AS 1866:1997
(Incorporating Amendment No. 1)



STANDARDS
Australia



Aluminium and aluminium alloys — Extruded rod, bar, solid and hollow shapes



AS 1866:1997

This Australian Standard was prepared by the Australian members of Joint Technical Committee MT/3, Aluminium and Aluminium Alloys. It was approved on behalf of the Council of Standards Australia on 9 May 1997. It was published on 5 September 1997.

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The following are represented on Committee MT-003:

- Australasian Railway Association
- Australian Aluminium Council
- Australian Chamber of Commerce and Industry
- Residential Window Association-Australia
- Society of Automotive Engineers-Australasia

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RECONFIRMATION
OF
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Aluminium and aluminium alloys—
Extruded rod, bar, solid and hollow shapes

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PREFACE

This Standard was prepared by the joint Standards Australia/Standards New Zealand Committee MT/3, Aluminium and Aluminium Alloys, to supersede AS 1866:1986.

A1 Amendment No. 1 to this document was prepared by the Australian members of the Joint Standards Australia/Standards New Zealand Committee MT-003, Aluminium and Aluminium Alloys. As a consequence of Amendment No. 1, which is published as an Australian-only amendment, this document will be redesignated from AS/NZS 1866 to AS 1866. **A1**

The objective of this revision is to upgrade the requirements for aluminium and aluminium alloy extruded rod, bar, solid and hollow products for general engineering purposes.

During the preparation of this Standard cognizance was taken of the publication, *Aluminium Standards, Data and design—Wrought products*, published in 1994 by the Aluminium Development Council of Australia. Cognizance was also taken of the following International Standards:

ISO 6362-1:1986, Wrought aluminium and aluminium alloy extruded rods/bars, tubes and profiles, Part 1: Technical conditions for inspection and delivery

ISO 6362-2:1990, Wrought aluminium and aluminium alloy extruded rods/bars, tubes and profiles, Part 2: Mechanical properties

ISO 6362-3:1990, Wrought aluminium and aluminium alloy extruded rods/bars, tubes and profiles, Part 3: Extruded rectangular bars—Tolerances on dimensions and form

ISO 6362-4:1988, Wrought aluminium and aluminium alloy extruded rods/bars, tubes and profiles, Part 4: Extruded profiles—Tolerances on shape and dimensions

ISO 6362-5:1991, Wrought aluminium and aluminium alloy extruded rods/bars, tubes and profiles, Part 5: Extruded round, square and hexagonal bars—Tolerances on form and dimensions

These International Standards were not considered appropriate replacements for AS 1866 because the preference of Australian/New Zealand industry is to contain the requirements for aluminium and aluminium alloy extruded rod, bar, solid and hollow shapes in the one Standard.

Statements expressed in mandatory terms in notes to tables and figures are deemed to be requirements of this Standard.

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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