

Australian Standard™

**Cast steels**

This Australian Standard was prepared by Committee MT-001, Iron and Steel. It was approved on behalf of the Council of Standards Australia on 9 May 2003 and published on 19 June 2003.

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The following are represented on Committee MT-001:

- Australasian Railway Association
- Australian Building Codes Board
- Australian Foundry Institute
- Australian Industry Group
- Australian Institute of Steel Construction
- Bureau of Steel Manufacturers of Australia
- Institute of Materials Engineering Australasia

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AS 2074—2003

# Australian Standard™

## Cast steels

Originated as AS B27—1931 and AS E7—1938.  
Previous edition AS 2074—1982.  
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## PREFACE

This Standard was prepared by the Australian members of the Joint Standards Australia/Standards New Zealand Committee MT-001, Iron and Steel, to supersede AS 2074—1982.

After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand decided to develop this Standard as an Australian, rather than an Australian/New Zealand Standard.

The objective of this Standard is to specify the steel specifications, heat treatment and test requirements for cast steels.

AS 2074—1982 specified additional requirements, including fettling and dressing, freedom from defects, rectification of defects and certification. These additional requirements are now specified in AS 4738. This edition of the Standard is a material's standard.

Cognizance was taken of the following International (ISO) Standards available on the subject:

### ISO

4990:1986	Steel castings—General technical delivery requirements
4991:1994	Steel castings for pressure purposes
8062:1994	Castings—System of dimensional tolerances and machining allowances
11972:1998	Corrosion-resistant cast steels for general applications
11973:1999	Heat-resistant cast steels and alloys for general applications
13521:1999	Austenitic manganese steel castings

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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