

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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- 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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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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