

Australian/New Zealand Standard™

**Cold-rolled, unalloyed, steel sheet
and strip**

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee MT/1, Iron and Steel. It was approved on behalf of the Council of Standards Australia on 1 May 1998 and on behalf of the Council of Standards New Zealand on 7 May 1998. It was published on 5 July 1998.

The following interests are represented on Committee MT/1:

Australasian Railway Association
Australian Chamber of Commerce and Industry
Australian Chamber of Manufactures
Australian Foundry Institute
Australian Institute of Steel Construction
Bureau of Steel Manufacturers of Australia
Institute of Metals and Materials Australasia
Metal Trades Industry Association of Australia
Society of Automotive Engineers—Australasia

Additional interests participating in preparation of Standard:

Metal Building Products Manufacturers Association
Sheet metal fabricators
Tube mills

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STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

RECONFIRMATION

OF

AS/NZS 1595:1998

Cold-rolled, unalloyed, steel sheet and strip

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Technical Committee MT-001 has reviewed the content of this publication and in accordance with Standards Australia procedures for reconfirmation, it has been determined that the publication is still valid and does not require change.

Certain documents referenced in the publication may have been amended since the original date of publication. Users are advised to ensure that they are using the latest versions of such documents as appropriate, unless advised otherwise in this Reconfirmation Notice.

Approved for reconfirmation in accordance with Standards Australia procedures for reconfirmation on 29 October 2015.

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The following are represented on Technical Committee MT-001:

Australasian Corrosion Association
Australian Building Codes Board
Australian Institute of Architects
Australian Steel Association
Australian Steel Institute
Bureau of Steel Manufacturers of Australia
Employers And Manufacturers Association
Materials Australia
New Zealand Heavy Engineering Research Association
Society of Automotive Engineers—Australasia

NOTES

Australian/New Zealand Standard™

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee MT/1, Iron and Steel, at the request of Australian industry to supersede AS 1595—1981.

The objective of this revision is to update the requirements for cold-rolled unalloyed steel sheet and strip produced on a continuous mill and supplied as both coil and cut lengths to strength, hardness or formability requirements.

During this revision, the following International Standards were considered:

ISO

3574:1986	Cold-reduced carbon steel sheet of commercial and drawing qualities
4997:1991	Cold-reduced steel sheet of structural quality
5001:1993	Cold-reduced carbon steel sheet for vitreous enamelling
5954:1984	Cold-reduced carbon steel sheet to hardness requirements
6930:1983	High yield strength flat steel products for cold forming
6932:1986	Cold-reduced carbon steel strip with a maximum carbon content of 0,25%
13887:1995	Cold-reduced steel sheet of higher yield strength with improved formability

Australia is a participating member of ISO Subcommittee ISO/TC17/SC12 which is responsible for the development of the majority of these Standards.

Australian/New Zealand industry considers that there are considerable advantages in having the requirements for all types of cold-rolled flat steel products in the one 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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STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

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SECTION 1 SCOPE AND GENERAL

1.1 SCOPE This Standard specifies requirements for cold-rolled, unalloyed, steel sheet and strip, supplied as both coil and cut lengths to chemical composition only, or to strength, hardness or formability requirements.

Provision is made for three temper-rolled grades produced to hardness requirements, five grades to strength requirements (including one weather resistant grade) and five grades to formability requirements. In addition, two surface finishes are specified, and provision is made for three levels of surface quality.

NOTES:

- 1 Advice and recommendations on information to be supplied by the purchaser at the time of enquiry and order are contained in the purchasing guidelines set out in Appendix A.
- 2 Alternative means for demonstrating compliance with this Standard are given in Appendix B.

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

AS

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| 1199 | Sampling procedures and tables for inspection by attributes |
| 1391 | Methods for tensile testing of metals |
| 1399 | Guide to AS 1199—Sampling procedures and tables for inspection by attributes |
| 1815 | Metallic materials—Rockwell hardness test |
| 2025 | Metallic materials—Rockwell superficial hardness test—N and T scales |
| 2403 | Method for the measurement of the plastic strain ratio ‘ <i>r</i> ’ of sheet and strip metals |
| 2505 | Methods for bend and related testing of metals |
| 2505.1 | Part 1: Sheet, strip and plate |
| 2706 | Numerical values—Rounding and interpretation of limiting values |

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| 1050 | Methods for the analysis of iron and steel (all methods) |
| 1050.1 | Part 1: Sampling iron and steel for chemical analysis |
| 1365 | Tolerances for flat-rolled steel products |

AS/NZS ISO

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