

Australian Standard<sup>®</sup>

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**Wrought alloy steels—Stainless  
and heat-resisting steel plate,  
sheet and strip**

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[Defence Title allocated by Codification and Standardisation Authority:  
METAL PLATE, SHEET, STRIP (STAINLESS AND HEAT  
RESISTING STEEL) IN COILS AND CUT LENGTHS  
NATO Supply classification 9515]

This Australian Standard was prepared by Committee MT/1, Iron and Steel. It was approved on behalf of the Council of Standards Australia on 27 October 1993 and published on 17 January 1994.

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The following interests are represented on Committee MT/1:

Australian Chamber of Commerce and Industry  
Australian Chamber of Manufactures  
Australian Foundry Institute  
Australian Institute of Steel Construction  
Bureau of Steel Manufacturers of Australia  
Department of Defence  
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## PREFACE

This Standard was prepared under the direction of the Multitechnics Standards Policy Board by the Standards Australia Committee on Iron and Steel to supersede AS 1449—1980. In this edition several alloys have been added to meet the requirements of industry.

The alloy compositions and mechanical properties specified in this Standard are equivalent to their counterparts in ASTM A240:90, *Standard specification for heat-resisting chromium and chromium-nickel stainless steel plate, sheet, and strip for pressure vessels*. The unified numbering system (UNS) alloy designations have been included for information purposes and to bring the Standard into alignment with the requirements of AS 1210—1989, *SAA Unfired Pressure Vessels Code*.

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

## Australian Standard

Wrought alloy steels—Stainless and  
heat-resisting steel plate, sheet and strip

**1 SCOPE** This Standard specifies requirements for stainless and heat-resisting steels for general engineering purposes which, with the exception of grade 301, are supplied in the softened condition as plates or as cold-rolled and annealed sheet and strip in coils or cut lengths.

## NOTES:

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

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

## AS

1050	Methods for the analysis of iron and steel
1199	Sampling procedures and tables for inspection by attributes
1213	Iron and steel—Methods of sampling
1391	Methods for tensile testing of metals
1399	Guide to AS 1199—Sampling procedures and tables for inspection by attributes
1627	Metal finishing—Preparation and pretreatment of surfaces
1627.5	Part 5: Pickling steel surfaces
1815	Metallic materials—Rockwell hardness test
1816	Metallic materials—Brinell hardness test
1817	Metallic materials—Vickers hardness test
2038	Methods for detecting the susceptibility of austenitic stainless steels to intergranular corrosion
2338	Preferred dimensions of wrought metal products
2505	Methods for bend and related testing of metals
2505.1	Part 1: Sheet, strip and plate
2705	Numerical values—Rounding and interpretation of limiting values
3900	Quality management and quality assurance standards
3900.1	Part 1: Guidelines for selection and use
3904	Quality management and quality system elements
3904.1	Part 1: Guidelines
K1	Methods for the sampling and analysis of iron and steel