Australian Standard®

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

[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]

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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

Institute of Metals and Materials Australasia

Metal Trades Industry Association of Australia

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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
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K1	Methods for the sampling and analysis of iron and steel