AS 1443—1994

Australian Standard®

Carbon steels and carbon-manganese steels— Cold-finished bars This Australian Standard was prepared by Committee MT/1, Iron and Steel. It was approved on behalf of the Council of Standards Australia on 15 July 1994 and published on 14 November 1994.

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Australian Chamber of Commerce and Industry

Australian Chamber of Manufactures

Australian Foundry Institute

Australian Institute of Steel Construction

Bureau of Steel Manufacturers of Australia

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Institute of Metals and Materials Australasia

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Carbon steels and carbon-manganese steels— Cold-finished bars

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PREFACE

This Standard was prepared by the Standards Australia/Standards New Zealand Committee on Iron and Steel, at the request of industry, to supersede AS 1443—1983.

The objective of this Standard is to specify requirements for cold-finished carbon steel and carbon-manganese steel bars manufactured from hot-rolled bars and semifinished products, for general engineering purposes.

To reflect changes in steel-making technology and to meet industry requirements, the steel grades have been revised and grade prefix letters 'M' and 'U' introduced to indicate steel quality. The use of the prefix letters 'K', 'CS' and 'S' to indicate deoxidation practice has been discontinued, to make the Standard compatible with AS 1442, *Carbon steels and carbon-manganese steels—Hot-rolled bars and semifinished products*.

Steel grades with specified mechanical properties have been revised so that they align with other grades in this Standard. A table of mechanical properties of steels in the machined condition has been added.

Dimensional tolerances have been completely revised so that they align more closely with overseas Standards and industry practice.

The terms 'normative' and 'informative' have been used in this Standard to define the application of the appendix to which they apply. A 'normative' appendix is an integral part of a Standard, whereas an 'informative' appendix is only for information and guidance.

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