AS 2266—2002
Reconfirmed 2016

Australian Standard™

Carbon steel spring wire for bedding and seating

Standards Australia

This Australian Standard was prepared by Committee MT-001, Iron and Steel. It was approved on behalf of the Council of Standards Australia on 16 December 2002 and published on 20 December 2002.

The following are represented on Committee MT-001:

Australasian Railway Association

Australian Building Codes Board

Australian Foundry Institute

Australian Industry Group

Australian Institute of Steel Construction

Bureau of Steel Manufacturers of Australia

Confederation of Australian Industry

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This Standard was issued in draft form for comment as DR 02411.

STANDARDS AUSTRALIA

RECONFIRMATION

OF
AS 2266—2002
Carbon steel spring wire for bedding and seating

RECONFIRMATION NOTICE

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 25 November 2015.

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Australian Institute of Architects
Australian Steel Association
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Materials Australia
New Zealand Heavy Engineering Research Association
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NOTES

Australian Standard™

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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 2266—1990. After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand decided to develop this Standard as an Australian Standard rather than an Australian/New Zealand Standard.

The objective of the Standard is to specify requirements and tests for carbon steel spring wire of round cross-section for the manufacturer of three designs, or types, of bedding and seating springs.

No International Standard (ISO) exists for spring wire for bedding and seating purposes.

Notable changes that have been introduced in the revised Standard relate to coil presentation and wire cast, both of which are now more clearly specified.

The term ‘informative’ has been used in this Standard to define the application of the appendix to which is applies. An ‘informative’ appendix is only for information and guidance.

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STANDARDS AUSTRALIA

Australian Standard
Carbon steel spring wire for bedding and seating

1 SCOPE

This Standard specifies requirements for carbon steel spring wire of round cross-section, supplied in the hard-drawn condition and intended for the manufacture of coil springs (including helical lacing springs), square-formed springs and sinuous springs for bedding and seating used in the automotive, transport and furniture manufacturing industries.

This Standard applies only to wire supplied in the form of coils. It does not cover the testing of wire that is supplied in mechanically straightened cut-lengths, or wire that has been straightened by the user.

The Standard applies to the supply of wire only in the uncoated condition, that is, without a metallic coating. However, wire may be supplied with an optional zinc- or zinc/aluminium alloy-coated finish by explicit arrangement with the manufacturer; if such a coating is agreed, it is recommended that the requirements specifically relevant to coating in AS 1472 be adopted.

NOTES:

1 Wires for mechanical springs for general engineering applications are covered by AS 1472.

2 Optional metallic coatings other than zinc or zinc/aluminium alloy, such as copper, may be available from wire manufacturers; in such cases, requirements for the coating should be agreed at the time of enquiry.

3 In this Standard the term ‘drawing’, alone or in combination, or a variation of ‘drawing’, such as ‘drawn’, is intended to embrace any other technically feasible means, such as ‘rolling’, by which cold-working of steel feedstock enables wire of round cross-section to be achieved.

4 Mechanical straightening introduces small, but significant, changes in diameter and mechanical properties (e.g. tensile strength) of as-drawn spring wire, and the degree of change varies with the straightening technique employed.

5 Advice and recommendations on information to be supplied by the purchaser at the time of enquiry or order are contained in the purchasing guidelines set out in Appendix A.

6 Alternative means for determining compliance with this Standard are given in Appendix B.

2 REFERENCED DOCUMENTS

The documents below are referred to in this Standard:

AS	
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
1442	Carbon steels and carbon-manganese steels—Hot-rolled bars and semifinished products
1472	Carbon steel spring wire for mechanical springs
2338	Preferred dimensions of wrought metal products
2505	Metallic materials
2505.6	Method 6: Wire—Wrapping test

