

AS 1303—1991

Australian Standard[®]

Steel reinforcing wire for concrete

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Australian Institute of Steel Construction
AUSTROADS
Bureau of Steel Manufacturers of Australia
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PREFACE

This Standard was prepared by the Standards Australia Committee on Structural Steel and is to supersede AS 1303–1984, *Steel reinforcing wire for concrete*.

The following significant changes have been made to the previous edition of the Standard:

- (a) To ensure the steel wire's suitability for resistance welding, a carbon equivalent is now specified.
- (b) Manufacturing tolerances on wires supplied in lengths have been amended to comply with AS 3600.
- (c) A new Appendix B, 'Means for demonstrating compliance with this Standard', has been included.
- (d) Changes to the 'bend test' have been made.
- (e) The process of manufacture has been deleted as it is no longer included in AS 1302, and is no longer relevant in present-day Standards.
- (f) A warning, on the need to avoid excessive cold-working when straightening wires for testing or subsequent processing, has been added.

In keeping with current ISO policy, the term 'yield strength', which is intended to cover the terms 'yield stress' and 'percentage proof stress', as appropriate, is defined and adopted throughout this Standard. Users of this Standard are alerted to the distinction between 'tensile strength' and 'yield strength' tests.

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