

Australian Standard™

Flanges for pipes, valves and fittings

This Australian Standard was prepared by Committee ME/1, Pressure Equipment. It was approved on behalf of the Council of Standards Australia on 17 September 1999 and published on 17 January 2000.

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This Standard was issued in draft form for comment as DR 98317.

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Flanges for pipes, valves and fittings

Originated in part as AS B52.1—1931
(being endorsement of BS 10.1—1928 without amendment).
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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee ME/1, Pressure Equipment Standard to supersede AS 2129—1994.

This Standard is the result of a consensus among representatives on the Joint Committee to produce it as an Australian Standard. Consensus means general agreement by all interested parties. Consensus includes an attempt to remove all objections and implies much more than the concept of a simple majority, but not necessarily unanimity. It is consistent with this meaning that a member may be included in the Committee list and yet not be in full agreement with all clauses of this Standard.

This Standard is derived from the British inch series flange Standard BS 10:1962, *Flanges and bolting for pipes, valves and fittings*. BS 10 was made obsolescent in 1970, however, it is still called up in British pressure equipment Standards. A 1992 survey of Australian industry showed that flanges in accordance with AS 2129 were still in great demand. As a result it was determined that AS 2129 should be revised and updated rather than being made obsolescent.

It is anticipated flanges to AS 2129 will remain in use for at least 50 years, particularly for replacement flanges. Consideration should be given to the use of alternative flanges, such as those to AS/NZS 4331, *Metallic flanges* (series), BS 4504, *Circular flanges for pipes valves and fittings, (PN designated)*, ANSI/ASME B16.5, *Pipe flanges and flanged fittings*, and AS 4087, *Metallic flanges for waterworks purposes*.

The main changes in this edition are as follows:

- (a) Incorporation of Amendment No. 1 to the 1994 edition.
- (b) Deletion of Table C which is now covered in AS 4087.
- (c) Updated referenced documents.

Statements expressed in mandatory terms in notes to tables and figures are deemed to be requirements of this Standard.

The term 'normative' has been used in this Standard to define the application of the Appendices. A 'normative' appendix is an integral part of this Standard.

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