AS/NZS 2280:2004 (Incorporating Amendment No. 1)

Australian/New Zealand Standard™

Ductile iron pipes and fittings





AS/NZS 2280:2004

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee WS-016, Cast Iron Pressure Pipes and Fittings. It was approved on behalf of the Council of Standards Australia on 6 August 2004 and on behalf of the Council of Standards New Zealand on 6 August 2004.

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The following are represented on Committee WS-016:

Australian Chamber of Commerce and Industry
Australian Industry Group
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Certification Bodies (Australia)
Civil Contractors Federation
Department of Energy Utilities and Sustainability NSW
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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee WS-016, Cast Iron Pressure Pipes and Fittings, to supersede AS/NZS 2280:1999.

This Standard incorporates Amendment No. 1 (March 2006). The changes required by the Amendment are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure or part thereof affected.

The objective of this Standard is to provide a standard manufacturing specification to be used by manufacturers and purchasers of ductile iron pressure pipes and fittings.

The main change to this edition has been to replace the K classification system with pressure classification.

Other relevant Standards and reference relating to installation of ductile iron pipelines include:

- (a) AS 3680, *Polyethylene sleeving for ductile iron pipelines*, which specifies requirements for materials for loose polyethylene sleeving intended for the corrosion protection of ductile iron pipelines when installed underground.
- (b) AS 3681, Guidelines for the application of polyethylene sleeving to ductile iron pipelines and fitting, which provides guidance on the application of polyethylene sleeving to ductile iron pipelines.
- (c) AS/NZS 2566.1, *Buried flexible pipelines*: Part 1: *Structural design*, which specifies a practice for the structural design of buried flexible pipelines, which rely upon side support to resist vertical loads. The practice applies to pipes with outside diameters equal to or greater than 75 mm, initial ring-bending stiffness equal to or greater than 1250 N/m/m and long term ring-bending stiffness equal to or greater than 625 N/m/m.
- (d) Water Services Association of Australia Information and Guidance Note, WSA TN3, Guidelines for the pipe ring-bending stiffness and allowable deflection of ductile iron pipe, available from www.wsaa.asn.au.

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 as an 'informative' Appendix is only for information and guidance.

Statements expressed in mandatory terms in notes to tables and figures are deemed to be requirements of this Standard. Notes to text are for information and guidance only.

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