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Australian Standard 1724—1975

CAST GREY IRON PRESSURE PIPES AND FITTINGS WITH BOLTED GLAND JOINTS

METRIC UNITS



STANDARDS ASSOCIATION OF AUSTRALIA

Incorporated by Royal Charter



THE FOLLOWING SCIENTIFIC, INDUSTRIAL AND GOVERNMENTAL ORGANIZATIONS and departments were officially represented on the committee entrusted with the preparation of this standard:

Associated Chambers of Manufactures of Australia
Brisbane City Council
Department of Housing and Construction
Department of Local Government, Queensland
Department of Public Works, N.S.W.
Federated Master Plumbers of Australia
Gas Undertakings
Metal Trades Industry Association of Australia
Water Conservation and Irrigation Commission, N.S.W.
Water and Sewerage Authorities.

This standard, prepared by Committee WS/16, Cast Iron Pressure Pipes and Fittings, was approved on behalf of the Council of the Standards Association of Australia on 31 October 1974.

To keep abreast of progress in industry, Australian standards are regularly reviewed. Suggestions for improvements to published standards, addressed to the head office of the Association, are welcomed.

This standard was issued in draft form for public review as DR 73018.

AUSTRALIAN STANDARD SPECIFICATION

**CAST GREY IRON
PRESSURE PIPES
AND FITTINGS
WITH BOLTED GLAND JOINTS**

AS 1724—1975

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PREFACE

This standard was prepared by the Association's Committee on Cast Iron Pressure Pipes and Fittings as part of the programme of change to the metric system in the construction industry.

The standard was developed from equivalent requirements in AS A145-1970 and A146-1970. With AS 1723, covering cast grey iron pressure pipes without bolted gland joints, it supersedes A145, and with AS 1488, covering fittings for pipes without bolted gland joints, it supersedes A146.

The standard lays down manufacturing requirements and dimensions for pipe and fittings. Pipes are classified according to wall thickness; fittings are provided in only one class. It prescribes a hydrostatic pressure test (see Clause 3.8) but the specified hydrostatic pressures are not related to any particular safe working pressures, i.e. the hydrostatic test is intended primarily to detect flaws. The decision as to the class of pipe suitable to the working pressures and pipe laying conditions is a matter for the purchaser.

Grateful acknowledgement is made of the assistance given by the Gas and Fuel Corporation of Victoria in preparing the drawings included and to the Metropolitan Water Sewerage and Drainage Board, Sydney, for the checking of detail in the preparation of this standard.

This standard makes reference to the following Australian and British standards:

- AS 1110 ISO Metric Hexagon Precision Bolts and Screws
- AS 1111 ISO Metric Hexagon Commercial Bolts and Screws
- AS 1112 ISO Metric Hexagon Nuts, including Thin Nuts, Slotted Nuts and Castle Nuts
- AS 1205 Structural Steels — Weather Resistant Weldable Grades (Metric Units)
- AS 1275 Metric Screw Threads for Fasteners
- AS 1391 Methods for Tensile Testing of Metals
- AS 1646 Rubber Joint Rings for Water Supply, Sewerage and Drainage Purposes
- AS A126 Coal-tar Primer for Steel Pipes
- AS A127 Coal-tar Enamel for Steel Pipes
- AS CA36 Code of Recommended Practice for the Coating and Lining of Steel Pipes with Coal-tar Enamel
- AS B81 Method for Brinell Hardness Test
- AS G8 Grey Iron Castings
- AS G9 Iron Castings with Spheroidal or Nodular Graphite
- AS G11 Whiteheart Malleable Iron Castings
- AS G14 Pearlitic Malleable Iron Castings
- BS 10 Flanges and Bolting for Pipes, Valves and Fittings
- BS 4622 Grey Iron Pipes and Fittings (Metric)

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