

Australian Standard™

**Mechanical jointing fittings for use with
cross-linked polyethylene (PE-X) pipe
for hot and cold water applications**

This Australian Standard was prepared by Committee PL-002, Cross-Linked Polyethylene Pipe. It was approved on behalf of the Council of Standards Australia on 5 September 1994 and published on 14 November 1994.

The following are represented on Committee PL-002:

Australian Institute of Building
Department of Primary Industries, Qld
Engineering and Water Supply Department, SA
Hunter Water Corporation
Metal Trades Industry Association of Australia
Plastics and Chemicals Industries Association
Water Authority of Western Australia
Water Board, Sydney—Illawarra—Blue Mountains

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**Mechanical jointing fittings for use with
cross-linked polyethylene (PE-X) pipe
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PREFACE

This Standard was prepared by the Standards Australia Committee on Cross-linked Polyethylene (PE-X) Pipe to supersede AS 2537—1982. It applies to mechanical jointing fittings intended for use with PE-X pipe complying with AS 2492, *Cross-linked polyethylene (PE-X) pipe for hot and cold water applications*.

This Standard incorporates Amendment No. 1 (December, 2002). 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 document is to provide a standard specification for use by manufacturers and purchasers of these products.

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 an ‘informative’ appendix is only for information and guidance.

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STANDARDS AUSTRALIA

Australian Standard

Mechanical jointing fittings for use with cross-linked polyethylene (PE-X) pipe for hot and cold water applications**1 SCOPE**

This Standard specifies requirements for mechanical jointing fittings suitable for use as fixed joints, with cross-linked polyethylene (PE-X) pipes manufactured in accordance with AS 2492.

NOTES:

- 1 Joining cross-linked polyethylene pipe by means of solvent cement is not satisfactory.
- 2 Alternative means for demonstrating compliance with this Standard are given in Appendix A.

2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS

1199	Sampling procedures and tables for inspection by attributes
1349	Bourdon tube pressure and vacuum gauges
1399	Guide to AS 1199—Sampling procedures and tables for inspection by attributes
1722	Pipe threads of Whitworth form
1722.1	Part 1: Sealing pipe threads
1722.2	Part 2: Fastening pipe threads
2345	Dezincification resistance of copper alloys
2492	Cross-linked polyethylene (PE-X) pipe for hot and cold water applications
3500	National Plumbing and Drainage Code
3500.0	Part 0: Glossary of Terms
3688	Water supply—Copper and copper alloy compression and capillary fittings and threaded end connectors
3707	Method for testing pressure cycling resistance of pipes and fittings
3855	Suitability of plumbing and water distribution system products for contact with potable water
4020*	Products for use in contact with water intended for human consumption with regard to their effect on the quality of water

AS/NZS

ISO 9000	Quality management and quality assurance standards
ISO 9000.1	Part 1: Guidelines to selection and use
ISO 9004	Quality management and quality system elements
ISO 9004.1	Part 1: Guidelines

* First published as an Interim Standard.