AS/NZS 4129:2008 (Incorporating Amendment No. 1)

Australian/New Zealand Standard™

Fittings for polyethylene (PE) pipes for pressure applications





AS/NZS 4129:2008

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee PL-006, Polyolefin Pipe Systems. It was approved on behalf of the Council of Standards Australia on 27 May 2008 and on behalf of the Council of Standards New Zealand on 26 May 2008.

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The following are represented on Committee PL-006:

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Energy Networks Association
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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committees PL/6, Polyolefin Pipe Systems, to supersede AS/NZS 4129:2000.

This Standard incorporates Amendment No. 1 (December 2013). 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 fittings covered in this Standard are for use with polyethylene (PE) pipe specified in AS/NZS 4130, Polyethylene (PE) pipes for pressure applications and, AS 2698.2, Plastics pipes and fittings for irrigation and rural applications, Part 2: Polyethylene rural pipe and PIPA POP-009 Industry Guidelines—Polyethylene rural and flood pipe.

This Standard follows the classification structure for pipes adopted by ISO (Renard 10 and 20 Series) excepting for Class Rural Mechanical Compression fittings.

This Standard is structured into the following Sections:

- Section 1 General requirements and test methods
- Section 2 Mechanical compression joint fittings
- Section 3 Electrofusion fittings
- Section 4 Mechanical tapping saddles
- Section 5 Post-formed bends
- Section 6 Spigot fittings for butt fusion, for socket fusion using heated tools and for use with electrofusion fittings

Section 1 includes ISO test methods where possible. Sections 1 and 2 are largely based on ISO 14236, *Plastics pipes and fittings—Mechanical joint compression fittings for use with polyethylene pressure pipes in water supply systems.*

Section 3 is based largely on ISO 8085-3, Polyethylene fittings for use with polyethylene pipes for the supply of gaseous fuels—Metric series—Specifications, Part 3: Electrofusion fittings.

Section 4 is based on ISO 13460, Agricultural irrigation equipment—Plastics saddles for polyethylene pressure pipes, with alterations making it applicable to all PE pressure ratings and to include metal tapping saddles.

Section 6 is based on ISO 8085-2, Polyethylene fittings for use with polyethylene pipes for the supply of gaseous fuels—Metric series—Specifications, Part 2: Spigot fittings for butt fusion, for socket fusion using heated tools and for use with electrofusion fittings.

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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