

AS 4181—2013

Reconfirmed 2023

AS 4181—2013

Australian Standard[®]

Repair and off-take clamps for water industry purposes



This Australian Standard® was prepared by Committee WS-016, Cast Iron Pressure Pipes and Fittings. It was approved on behalf of the Council of Standards Australia on 19 February 2013.

This Standard was published on 8 April 2013.

The following are represented on Committee WS-016:

- Association of Accredited Certification Bodies
 - Australian Chamber of Commerce and Industry
 - Australian Industry Group
 - Plastics Industry Pipe Association of Australia
 - Plastics New Zealand
 - Water Industry Operations Group
 - Water New Zealand
 - Water Services Association of Australia
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This Standard was issued in draft form for comment as DR AS 4181.

Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee and through the public comment period.

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STANDARDS AUSTRALIA

RECONFIRMATION

OF

AS 4181—2013

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Approved for reconfirmation in accordance with Standards Australia procedures for reconfirmation on 08 February 2023.

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Australian Industry Group
Australian Water Association
Casting Technology New Zealand
Engineers Australia
Plastics Industry Pipe Association of Australia
Plastics New Zealand
Water Services Association of Australia

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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 4181—1999, *Stainless steel clamps for waterworks purposes*.

This Standard is the result of a consensus among Australia/New Zealand representatives on the Committee to produce it as an Australian Standard.

The objective of this Standard is to include design, materials and type tests required for clamps for the Australian water industry.

The objectives of this revision are the following:

- (a) Introduction of a broader range of materials.
- (b) Increase in nominal diameters for repair clamps.
- (c) Recognition of issues associated with low stiffness pipes, as addressed in WSA 122, *Industry Standard for Flanged Off-take Clamps*.
- (d) Change of title to better reflect the scope of the Standard.

Key aspects from WSA 122 that have been incorporated into the Standard are the differentiation between Type R and Type F applications, and the associated type testing required to demonstrate suitability of a product.

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.

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

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