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AS 2159—2009
(Incorporating Amendment No. 1)

AS 2159—2009

Australian Standard[®]

Piling—Design and installation



This Australian Standard® was prepared by Committee CE-018, Piling. It was approved on behalf of the Council of Standards Australia on 19 June 2009.
This Standard was published on 4 November 2009.

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- Australian Building Codes Board
 - Australian Geomechanics Society
 - AUSTROADS
 - Concrete Institute of Australia
 - Engineers Australia
 - Monash University
 - Piling and Foundation Specialists Federation
 - University of Sydney
-

This Standard was issued in draft form for comment as DR 08180.

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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AS 2159—2009
(Incorporating Amendment No. 1)

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Piling—Design and installation

Originated as AS 2159—1978.
Third edition 2009.
Reissued incorporating Amendment No. 1 (October 2010).

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Published by SAI Global Limited under licence from Standards Australia Limited, GPO Box 476, Sydney, NSW 2001, Australia

ISBN 0 7337 9286 3

PREFACE

This Standard was prepared by the Standards Australia Committee CE-018, Piling, to supersede AS 2159—1995.

This Standard incorporates Amendment No. 1 (October 2010). 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 requirements for design and installation of piles for supporting structures. The object of this revision is to align with updated AS 1170 Standards and reflect changes in practice since the previous edition.

Major changes to the previous edition are as follows:

- (a) Revision of the overall Standard.
- (b) Revision of the setting of strength reduction factors, that is, the selection of the ‘safety’ level appropriate to the installation being designed.
- (c) Revision of the negative skin friction requirements.
- (d) Revision of durability requirements to assist designers to achieve predicted life.
- (e) Include requirements for newer pile types and installation methods including steel screw piles, jacking, screwing and screwed cast in place.
- (f) Requirement for some testing to be ‘normative’.
- (g) Inclusion of new types of test including rapid pile testing.

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 are deemed to be requirements of this Standard.

Notes to the text contain information and guidance and are not considered to be an integral part of the Standard.

CONTENTS

	<i>Page</i>
FOREWORD.....	5
SECTION 1 SCOPE AND GENERAL	
1.1 SCOPE	6
1.2 NORMATIVE REFERENCES	6
1.3 DEFINITIONS	7
1.4 NOTATION	10
1.5 CLASSIFICATION OF PILES.....	13
SECTION 2 SITE INVESTIGATION	
2.1 GENERAL	15
2.2 INFORMATION REQUIRED.....	15
SECTION 3 DESIGN REQUIREMENTS AND PROCEDURES	
3.1 OBJECTIVE OF PILE DESIGN	16
3.2 GENERAL DESIGN REQUIREMENTS	16
3.3 ACTIONS AND COMBINATIONS FOR STRENGTH AND SERVICEABILITY DESIGN	17
SECTION 4 GEOTECHNICAL DESIGN	
4.1 GENERAL	20
4.2 ASSESSMENT OF GEOTECHNICAL PARAMETERS	20
4.3 GENERAL PRINCIPLES OF GEOTECHNICAL STRENGTH DESIGN	21
4.4 DESIGN REQUIREMENTS FOR STRENGTH.....	24
4.5 GENERAL PRINCIPLES OF GEOTECHNICAL DESIGN FOR SERVICEABILITY	29
4.6 DESIGN REQUIREMENTS FOR SERVICEABILITY	29
SECTION 5 STRUCTURAL DESIGN	
5.1 SCOPE OF SECTION	32
5.2 GENERAL PRINCIPLES OF STRUCTURAL STRENGTH DESIGN	32
5.3 CONCRETE AND GROUT PILES	33
5.4 STEEL PILES	36
5.5 COMPOSITE STEEL AND CONCRETE PILES.....	36
5.6 TIMBER PILES	37
SECTION 6 DURABILITY DESIGN	
6.1 GENERAL	38
6.2 GENERAL PRINCIPLES OF DURABILITY DESIGN.....	38
6.3 ACID SULFATE SOILS	38
6.4 DESIGN FOR DURABILITY OF CONCRETE PILES	39
6.5 DESIGN FOR DURABILITY OF STEEL PILES	42
6.6 DESIGN FOR DURABILITY OF TIMBER PILES	45
SECTION 7 MATERIALS AND CONSTRUCTION REQUIREMENTS	
7.1 GENERAL	47
7.2 TOLERANCES AND DEFECTS	47

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