



Methods of testing soils for engineering purposes

Part 0: Definitions and general requirements



This Australian Standard® was prepared by Committee CE-009, Testing of Soils for Engineering Purposes. It was approved on behalf of the Council of Standards Australia on 6 November 2014.

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The following are represented on Committee CE-009:

- Association of Geotechnical Testing Authorities, Qld
 - Australian Building Codes Board
 - Australian Chamber of Commerce and Industry
 - Australian Geomechanics Society
 - Australian Stabilisation Industry Association
 - Austroads
 - Cement Concrete and Aggregates Australia—Aggregates
 - Engineering and Construction Laboratories Association
 - Engineers Australia
 - National Association of Testing Authorities Australia
 - University of Melbourne
 - University of Sydney
 - Victorian Construction Materials Laboratories Association
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Australian Standard[®]

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Part 0: Definitions and general requirements

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PREFACE

This Standard was prepared by the Standards Australia Committee CE-009, Testing of Soils for Engineering Purposes, to supersede AS 1289.0—2000, *General requirements and list of methods*.

The objective of this Standard is to provide—

- (a) definitions of the terms used in the AS 1289 series; and
- (b) general requirements for testing.

NOTE: A complete, up-to-date list of the methods in the AS 1289 series is provided in Appendix A.

The objective of this revision is to update references and definitions and to comply with current style and drafting practices.

The principal differences between this and the previous edition are as follows:

- (i) List of methods moved to Appendix A.
- (ii) List of related documents has been updated.

The term ‘informative’ has been used in this Standard to define the application of the appendix to which it applies. An ‘informative’ appendix is only for information and guidance.

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STANDARDS AUSTRALIA**Australian Standard****Methods of testing soils for engineering purposes****Part 0: Definitions and general requirements****1 SCOPE**

This Standard provides general requirements and information for the methods in the AS 1289 series. It provides the following:

- (a) A list of related documents.
- (b) Definitions.
- (c) General requirements for apparatus used in a number of the methods and a list of Standards with which that apparatus is required to comply.
- (d) Soil groups for use in a number of the methods and related provisions.

NOTES:

- 1 A list of all the methods in the AS 1289 series current at the time of publication of this Standard is provided in Appendix A.
- 2 With the exception of a soil classification test and some soil compaction and density tests, soils with a proportion of material greater than 20% retained on a 37.5 mm AS 1152 sieve cannot be usefully examined by the methods in the AS 1289 series.

2 REFERENCED AND RELATED DOCUMENTS**2.1 Referenced documents**

The following documents are referred to in this Standard:

AS

| | |
|----------|-----------------------------------------------------------|
| 1141 | Methods for sampling and testing aggregates |
| 1141.3.1 | Method 3.1: Sampling—Aggregates |
| 1152 | Specification for test sieves |
| 1289 | Method of testing soils for engineering purposes (series) |
| 1726 | Geotechnical site investigation |

2.2 Related documents

Attention is drawn to the following related documents:

AS

| | |
|------|-------------------------------------------------|
| 1006 | Solid-stem general purpose thermometers |
| 1349 | Bourdon tube pressure and vacuum gauges |
| 2026 | Density hydrometers |
| 2163 | Laboratory glassware—Measuring cylinders |
| 2164 | Laboratory glassware—One mark volumetric flasks |
| 2165 | Laboratory glassware—Burettes |
| 2166 | One-mark pipettes |
| 2245 | Glass filter funnels |