

Australian Standard™

**Methods of testing rocks for
engineering purposes**

**Part 0: General requirements and list of
methods**



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 1 September 2005.
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The following are represented on Committee CE-009:

AUSTROADS

Australian Building Codes Board
Australian Chamber of Commerce and Industry
Australian Geomechanics Society
Australian Stabilisation Industry Association
Cement Concrete & Aggregates Australia—Aggregates
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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 4133.0—1993.

The AS 4133 series of test methods was prepared at the request of the Australian Geomechanics Society and Engineers working in the Geomechanics area.

The methods are concerned with rock as a natural material such as a foundation strata or as a tunnelling or mining environment. The methods given are laboratory index tests which will produce repeatable results on the same material.

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STANDARDS AUSTRALIA

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1 SCOPE

This Standard is fundamental to all of the methods in the AS 4133 series. It provides the following information:

- (a) A list of methods in the AS 4133 series.
- (b) Referenced documents.
- (c) Definitions.
- (d) A list of the main apparatus used and the Standards with which that apparatus must comply.
- (e) A list of the quantity and unit symbols used.
- (f) Other supplementary information.

NOTES:

- 1 The methods listed are index tests intended only for classification and characterization of intact rock. The actual classification systems or basis of comparison between rocks is not the subject of this Standard or methods.
- 2 The methods are intended for situations where the rock has not been processed.

2 REFERENCED DOCUMENTS

The following documents are referred to in the AS 4133 series:

AS

1152	Specification for test sieves
1289	Methods of testing soils for engineering purposes
1289.0	Part 0: General requirements and list of methods
1726	Geotechnical site investigations
2008	Residual bitumen for pavements
2102	Micrometer callipers for external measurement
2103	Dial gauges and dial test indicators (metric series)
2163	Laboratory glassware—Measuring cylinders
2164	Laboratory glassware—One-mark volumetric flasks
2193	Calibration and classification of force-measuring systems
2378	Density bottles
2831	Thermometers—Solid stem—Long and short—For precision use
ISO/IEC 17025	General requirements for the competence of testing and calibration laboratories