



## **Methods of testing soils for engineering purposes**

### **Method 6.2.2: Soil strength and consolidation tests — Determination of shear strength of a soil — Direct shear test using a shear box**



AS 1289.6.2.2:2020

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- Australian Geomechanics Society
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- Engineering & Construction Laboratories Association
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## Preface

This Standard was prepared by Standards Australia Committee CE-009, Testing of Soils for Engineering Purposes, to supersede AS 1289.6.2.2—1998.

The objective of this document is to set out a method for performing direct shear (shear box) tests on soils with a wide range of particle sizes. The data recorded from the test method is used to interpret soil strength. Usually three single-stage tests at different normal stresses are applied. The interpretation of the results may then be carried out by a suitably experienced and qualified person, such as a geotechnical engineer.

The major changes in this edition are as follows:

- (a) The determination of the apparent cohesion value and the friction angle has been deleted.
- (b) Procedures for the preparation of specimens have been updated in light of developments showing sensitivity of test results to sample preparation.
- (c) This document encompasses larger shearboxes up to 300 mm.

NOTE In the 1998 edition it was limited to 100 mm.

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