

Australian Standard™

**Steel shoring and trench lining
equipment**

Part 1: Design



This Australian Standard was prepared by Committee ME/82, Shoring and Trench Lining. It was approved on behalf of the Council of Standards Australia on 4 August 2000 and published on 20 November 2000.

The following interests are represented on Committee ME/82:

Australian Industry Group
Civil Contractors Federation
Concrete Pipe Association of Australasia
Construction, Forestry, Mining and Energy Union
Department of Employment, Training and Industrial Relations (Qld)
Institution of Engineers Australia
Master Plumbers and Mechanical Services Association of Australia
Water Services Association of Australia
WorkSafe Western Australia

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PREFACE

This Standard was prepared by the Standards Australia Committee ME/82.

The objective of this Standard is to provide safe specifications for the design and rating of steel shoring and trench lining equipment for use in trench digging operations thus providing the knowledge necessary to minimize the likelihood of trench collapse resulting in fatality.

This Standard is based on draft CEN Standard prEN 13331-1, *Trench lining systems*, Part 1: *Product specifications*, and Part 2: *Assessment by calculation or test*. It differs from those documents in that a lower minimum shield rating of 20 kPa is allowed.

Published Standards in the series are:

AS

4744 Steel shoring and trench lining equipment

4744.1 Design

It is intended to publish the following part:

Safe use

Australian Standards are not intended, in their own right, to be retrospective. They usually apply to new plant. The relevant authorities in each State may or may not require that all existing plant comply with this Standard. Individual authorities should be consulted as to whether they require existing plant to comply with this Standard.

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.