



# Chain slings for lifting purposes—Grade T(80) and V(100)

## Part 1: Product specification



This Australian Standard® was prepared by Committee ME-025, Lifting Tackle. It was approved on behalf of the Council of Standards Australia on 17 November 2014. This Standard was published on 9 December 2014.

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This Standard was issued in draft form for comment as DR AS 3775.1.

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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Australian Standard<sup>®</sup>

## Chain slings for lifting purposes—Grade T(80) and V(100)

### Part 1: Product specification

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## PREFACE

This Standard was prepared by the Standards Australia Committee ME-025, Lifting Tackle, to supersede AS 3775.1—2004, *Chain slings—Grade T, Part 1: Product specification*.

*This Standard incorporates Amendment No. 1 (August 2015) and Amendment No. 2 (November 2015). 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 the manufacture, marking and testing of Grade T and V chain slings.

The objective of all lifting tackle Standards is to provide users, regulatory and accrediting authorities and importers with a basis for identifying products which are safe and fit for their purpose. This Standard applies to Grade T(80) and Grade V(100) chain slings for lifting purposes.

This edition includes the following changes from the previous edition:

- (a) Inclusion of Grade V(100) chain slings.
- (b) Upgrading the requirements in the definition of ‘competent person’.
- (c) Alignment of definitions with AS 2321:2014, *Short-link chain for lifting purposes*.
- (d) Additional clarification and explanation on the correct assembly of slings using connecting links.
- (e) Application of inline shortening devices are included.
- (f) Maximum included angles reduced to 60° for two-leg reeved and two-leg basket slings.

Statements expressed in mandatory terms in notes to tables are deemed to be requirements of 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.

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## FOREWORD

In any lifting, tensioning, or staying system, the working load limit of each component has to take account of the conditions of use and be compatible with any loads inherent in, and applied to, the system, and each component should readily connect with each adjacent component. Therefore, it is important that chain slings be quickly and positively identified in service for size, lifting capacity and quality grade.

The quality grading system in this Standard provides for the variations in mechanical properties of the finished product. Each grade is identified by a letter in the series T(80) or V(100) which allows for positive identification and easy selection.

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