AS 3775.2:2014
(Incorporating Amendment No. 1)

AS 3775.2:2014

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

Part 2: Care and use

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.
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The following are represented on Committee ME-025:

- Australian Chamber of Commerce and Industry
- Australian Die Casting Association
- Australian Industry Group
- Australian Maritime Safety Authority
- Crane Industry Council of Australia
- Department of Defence
- Department of Trade and Investment, NSW
- Engineers Australia
- National Association of Testing Authorities Australia
- The Institute of Quarrying Australia
- Worksafe Victoria
- WorkCover New South Wales

This Standard was issued in draft form for comment as DR AS 3775.2.

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®

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

Part 2: Care and use

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PREFACE

This Standard was prepared by the Standards Australia Committee ME-025, Lifting Tackle, to supersede AS 3775.2—2004, *Chain slings—Grade T*, Part 2: *Care and use*.

This Standard incorporates Amendment No. 1 (August 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 promote the correct use of Grade T and V chain slings.

This Standard is Part two of a series that consists of the following:

AS	
3775	Chain slings for lifting purposes—Grade T(80) and V(100)
3775.1	Part 1: Product specification
3775.2	Part 2: Care and use (this Standard)

This edition includes the following changes from the previous edition:

(a) Introduction of requirements for a ‘competent person’.

(b) It is expanded to include requirements for Grade V.

(c) Extra clarification of WLL for some multi leg slings.

(d) Additional clarification and explanation on the correct assembly and use of slings with connecting links.

(e) Mandating of periodic inspection record has been incorporated.

(f) Expanded specification for inspection of self-locking hooks.

A1 (g) Application of inline shortening devices is included.

(h) Maximum included angles reduced to 60° for two leg reeved and two leg basket slings.

(i) Detailed explanation of symmetry of sling assemblies is included.

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

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.

CONTENTS

STANDARDS AUSTRALIA

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

Part 2: Care and use

1 SCOPE

This Standard sets out requirements and recommendations on practices for the care and use of Grade T(80) and V(100) chain slings, which are specified in AS 3775.1. It does not cover the use of such slings for the lifting of personnel.

2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

NOTE: Documents that provide additional information are listed in the Bibliography in Appendix E.

AS
1418 Cranes, hoists and winches
1418.1 Part 1: General requirements

2317 Collared eyebolts

3775 Chain slings for lifting purposes—Grade T(80) and V(100)
3775.1 Part 1: Product specification

AS/NZS ISO
31000 Risk management—Principles and guidelines

AS EN
12079 Offshore containers and associated lifting sets
12079.2 Part 2: Lifting sets—Design, manufacture and marking (EN 12079-2:2006, MOD)

3 DEFINITIONS

For the purpose of this Standard, the definitions given in AS 3775.1, and those below apply.

3.1 Chain grade T(8, 80 or 800)

Grade to designate chain used for chain slings with a specified nominal stress at breaking force of 800 MPa.

3.2 Chain grade V(10, 100 or 1000)

Grade to designate chain used for chain slings with a specified nominal stress at breaking force of 1000 MPa.

Grade V(100) chain can be produced by using materials that are suitable for 200°C or 380°C operating ranges. Each temperature range has specific minimum alloying elements requirements. V200 refers to Grade V(100) chain that has a maximum operating temperature of 200°C, V400 refers to Grade V(100) chain that has a maximum operating temperature of 380°C.

