AS 1353:2026

Australian STANDARD®

STANDARDS Australia

Flat synthetic-webbing slings



AS 1353:2026

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Business Chamber Queensland
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Engineers Australia
Lifting Equipment Engineers Association
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Australian Standard®

Flat synthetic-webbing slings

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How to read this Standard

This page explains the meaning of the language and structure of this Standard.

Refer to Standards Australia's Standardisation Guide 006 for more details about drafting rules.

Australian and Australian/New Zealand Standards are voluntary unless they are referenced in legislation or called up in contracts.

Requirements

To conform to a Standard, all requirements in the Standard need to be met.

A requirement is any statement in the Standard which uses the word "shall".

Recommendations, permissions and possibilities

The following words are commonly used in Standards, but statements using them do not have to be followed to conform to the Standard:

(a) "should" means that something is recommended.

(b) "may" means that something is permitted.

(c) "can" means that something is possible.

Structure of Standards

A Standard always has the following parts:

(i) The Preface states who developed the Standard, what the Standard is aiming to do, and how it relates to other documents.

(ii) The Scope states what the Standard is about, what it covers and what it does not cover.

(iii) The Normative references clause lists other documents that are referenced in the Standard as part of requirements.

(iv) The Terms and definitions clause defines important terms to help with understanding the Standard.

A Standard may also include other parts, such as the following:

(1) A normative appendix sets additional requirements that need to be conformed to.

(2) An informative appendix provides additional information or guidance. They usually do not contain requirements. If an informative appendix does contain requirements, the Standard will explain when those requirements apply.

(3) A Bibliography lists documents referenced in the Standard but not as part of requirements.

Many Standards include notes. Notes provide recommendations and/or guidance only. They never contain requirements.

Preface

This Standard was prepared by the Standards Australia Committee ME-025, Lifting Tackle, to supersede AS 1353.1:1997, *Flat synthetic-webbing slings, Part 1: Product specification* and AS 1353.2:1997, *Flat synthetic-webbing slings, Part 2: Care and use*.

The objective of this document is to specify requirements for the manufacture, care and use of flat synthetic-webbing slings that are intended for lifting purposes.

The major changes in this edition are as follows:

(a) AS 1353.1 and AS 1353.2 have been amalgamated in this document.

(b) New Appendix H, Symmetry of loading (informative).

(c) New Appendix I, Visual inspection checklist (normative),

(d) New figures throughout the document.

(e) New definitions for the following:

  (i) Centre of gravity.

  (ii) Competent persons.

  (iii) Engineered and complex lifts.

  (iv) Hazards and controls.

  (v) Professional engineer.

  (vi) Protection.

  (vii) Sampling regime.

(f) Revised Table 6.1.2, Working load limits.

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Flat synthetic-webbing slings

1 Scope

This document specifies requirements for the manufacture, care and use of flat synthetic-webbing slings that are intended for lifting purposes.

NOTE 1 Clauses 4 and 5 provide requirements and recommendations to manufacturers and importers on the design and manufacture of new slings; they do not cover repairs to slings.

NOTE 2 Clause 6 provides requirements and recommendations on the selection, care and use of slings that are aimed at all parties including end users and inspectors of slings.

This document does not address the use of webbing slings for the lifting of personnel.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document.

NOTE Documents referenced for informative purposes are listed in the Bibliography.

AS 1199.1, *Sampling procedures for inspection by attributes, Part 1: Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection*

AS 2193, *Calibration and classification of force-measuring systems*

AS 2741, *Shackles*

AS 3585, *End fittings for synthetic flat-webbing and round slings*

AS 3776, *Lifting components for Grade T(80) and V(100) chain slings*

AS 3777, *Shank hooks and large eye hooks—Maximum 60 t*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1
axial loading
tension load in line with the longitudinal axis of the sling

3.2
centre of gravity
CoG
point where all of a load's weight is concentrated and where the load is balanced when lifted and/or suspended

3.3
competent person
person who has acquired, through education, training, qualification or experience or a combination of these, the knowledge and skill enabling that person to perform the task required

Note 1 to entry: Requirements for competent persons for specified tasks are specified in Appendix A.

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