

Australian Standard[®]

Flat synthetic-webbing slings

Part 2: Care and use

This Australian Standard was prepared by Committee ME/25, Lifting Tackle. It was approved on behalf of the Council of Standards Australia on 8 August 1997 and published on 5 November 1997.

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Part 2: Care and use

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PREFACE

This Standard was prepared by the Standards Australia Committee ME/25, Lifting Tackle, to supersede AS 1353.2—1990.

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.

This edition is a general revision to bring the Standard up to date.

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STANDARDS AUSTRALIA

Australian Standard

Flat synthetic-webbing slings

Part 2: Care and use

1 SCOPE This Standard sets out practices for the care and use of flat synthetic-webbing slings, but does not consider repairs to such slings or the use of such slings for the lifting of personnel.

NOTE: Standards for components used in lifting systems are listed in Appendix A.

2 INNOVATION It is not intended that this Standard should impose any unnecessary restriction on the use of new or unusual methods that meet its intent.

3 REFERENCED DOCUMENTS The following documents are referred to in this Standard:

AS

- 1353 Flat synthetic-webbing slings
- 1353.1 Part 1: Product specification
- 1418 Cranes (including hoists and winches)
- 1418.1 Part 1: General requirements
- 3585 End fittings for flat-webbing slings
- 3776 Lifting components for Grade T chain slings

4 DEFINITIONS For the purpose of this Standard, the definitions given in AS 1353.1 (which includes those below) apply.

4.1 Competent person—a person having practical and theoretical knowledge and relevant experience, sufficient to enable that person to detect and evaluate any defects and any weaknesses that may affect the intended performance of the equipment.

4.2 Flat synthetic-webbing sling—a sling made of flat woven synthetic-fibre webbing, which may incorporate end fittings complying with AS 3585 or AS 3776, for the lifting and handling of loads.

NOTE: Flat synthetic webbing slings are often referred to in this Standard as just 'slings'.

4.3 Shall—indicates that a statement is mandatory.

4.4 Should—indicates a recommendation.

4.5 Working load

4.5.1 Working load limit (WLL)—the maximum load that may be applied to the sling, in tension uniformly distributed across its full width, under general conditions of use.

4.5.2 Safe working load (SWL)—the maximum load that may be applied to the sling under the particular conditions of use (see Clause 7).

5 SELECTION

5.1 Product specification Flat synthetic-webbing slings shall comply with AS 1353.1.