

Australian Standard[®]

Roundslings—Synthetic fibre

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 October 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 on Lifting Tackle.

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.

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STANDARDS AUSTRALIA

Australian Standard

Roundslings—Synthetic fibre

Part 2: Care and use

1 SCOPE This Standard sets out practices for the care and use of roundslings, but does not consider repairs to the load-bearing core of roundslings or the use of roundslings 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

1418 Cranes (including hoists and winches)

1418.1 Part 1: General requirements

4497 Roundslings—Synthetic fibre

4497.1 Part 1: Product specification

4 DEFINITIONS For the purpose of this Standard, the definitions given in AS 4497.1 (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 Roundslings—an endless sling comprising a load-bearing core of high-tenacity continuous-multifilament yarn that is completely enclosed in a woven cover, with or without fittings or coupling components.

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, 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 Roundslings shall comply with AS 4497.1.

5.2 Working load limit (WLL) The sling shall have a WLL that will provide adequate safe working loads for the intended uses (see Clause 7), taking into account the mode of connection and use and the nature of the load to be lifted.