

Australian Standard[®]

Wire-rope slings

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 20 November 2008. This Standard was published on 2 April 2009.

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 - Australian Forging Group
 - Australian Industry Group
 - Australian Maritime Safety Authority
 - Crane Industry Council of Australia
 - Department of Defence (Australia)
 - Engineers Australia
 - Institute of Quarrying Australia
 - National Association of Testing Authorities Australia
 - Victorian WorkCover Authority
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-

This Standard was issued in draft form for comment as DR 08124.

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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Wire-rope slings

Part 2: Care and use

Originated as part of AS B286—1970.
Revised and redesignated AS 1666—1976.
Revised and redesignated in part as AS 1666.2—1995.
Second edition 2009.

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Published by Standards Australia GPO Box 476, Sydney, NSW 2001, Australia

ISBN 0 7337 9062 3

PREFACE

This Standard was prepared by the Standards Australia Committee ME-025, Lifting Tackle, to supersede AS 1666.2—1995.

The other Standard in this series covering wire-rope slings is AS 1666.1, *Wire rope slings, Part 1: Product specification*.

The objective of this Standard is to provide guidance for the safe use of wire-rope slings for reference by users and regulators.

This Revision includes the following changes:

- (a) Revision of the definition of WLL and deletion of safe working loads from any part of the Standard.
- (b) Cognizance of EN 13414.2, *Steel wire rope slings—Safety, Part 2: Specification for information for use and maintenance to be provided by the manufacturer*, and the adoption of some of its requirements.
- (c) Modification of the deration previously required for interfacing of eyes with pins of less than two diameters.

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.

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

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STANDARDS AUSTRALIA**Australian Standard
Wire-rope slings****Part 2: Care and use****1 SCOPE**

This Standard sets out practices for the care and use of wire-rope slings under general conditions of use.

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

2 NORMATIVE REFERENCES

The following documents are indispensable to the application of this Standard:

AS

1418 Cranes (including hoists and winches)

1418.1 Part 1: General requirements

1666 Wire-rope slings

1666.1 Part 1: Product specification

2759 Steel wire rope—Use, operation and maintenance

3569 Steel wire ropes

3 DEFINITIONS

For the purpose of this Standard, the definitions given in AS 1666.1 apply.

4 GUIDE FOR USE OF ROPES

Selecting, handling, storing, lubricating, inspecting and discarding steel-wire ropes shall be in accordance with AS 2759.

5 RECEIPT OF SLINGS

As soon as a sling is received, it should be unpacked and checked for any evidence of corrosion and physical damage.

6 STORAGE

Prior to storage, slings shall be examined to determine whether they are sufficiently lubricated.

Slings should not be stored on the ground, even for short periods. Slings shall be stored on well-ventilated racks or supports where they are not subjected to deterioration or other types of damage. The racks or supports shall be of material that will not cause corrosion of the wire rope and located above the floor and away from damp areas, humid atmosphere, corrosive fumes, sprays, dust, excessive heat, and locations where they could be damaged by moving equipment or falling objects.

During relatively long periods of storage, slings shall be periodically—

- (a) examined for any sign of deterioration;