AS 1438.2—1998

Australian Standard®

Wire-coil flat 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 3 October 1997 and published on 5 January 1998.

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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 in part AS 1438— 1974, *Wire-coil flat slings*.

This edition is a major revision, including redrafting of Clause 7 and Appendix A of the superseded edition. Choke hitches have been derated by 25%.

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

Wire-coil flat slings

Part 2: Care and use

1 SCOPE This Standard sets out practices for the care and use of wire-coil flat 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
1418 Cranes (including hoists and winches)
1418.1 Part 1: General requirements

1438 Wire-coil flat slings
1438.1 Part 1: Product specification

4 DEFINITIONS For the purpose of this Standard, the definitions in AS 1438.1 and those below apply.

4.1 Choke hitch—a method of securing a sling to a load, so that when reeved the sling will slip along itself (see Figure 1).

4.2 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.

4.3 Reeved sling—a sling connected by a choke hitch.

4.4 Shall—indicates that a statement is mandatory.

4.5 Should—indicates a recommendation.

4.6 Wire-coil belting—belting consisting of transverse wire coils that are connected by and can freely articulate about cross rods.

4.7 Wire-coil flat sling—a flat sling comprising a length of wire-coil belting and having a terminal attachment at each end.

NOTE: Wire-coil flat slings are often referred to in this Standard as just 'slings'.

4.8 Working load

4.8.1 *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.

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

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