

Australian Standard[®]

Sheave blocks for lifting purposes



This Australian Standard® was prepared by Committee ME-025, Lifting Tackle. It was approved on behalf of the Council of Standards Australia on 19 April 2007. This Standard was published on 23 January 2008.

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

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STANDARDS AUSTRALIA

RECONFIRMATION

OF

AS 2089—2008

Sheave blocks for lifting purposes

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The Institute of Quarrying Australia
WorkSafe Victoria

NOTES

Australian Standard[®]

Sheave blocks for lifting purposes

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PREFACE

This Standard was prepared by Standards Australia Committee ME-025, Lifting Tackle, to supersede AS 2089—1993.

The objective of this Standard is to provide a specification for sheave blocks that are fit for purpose and to describe appropriate procedures for their testing and use, for reference by manufacturers, suppliers, testers, regulators and users.

This edition does not limit carrying capacity and includes a number of other changes, including additional definitions, revision of definition of working load limit (WLL) and deletion of safe working load (SWL) from any part of the Standard, allowances for friction due to sheaves and changes to the requirements for materials, dimensions of sheaves and surface finish. The Appendix regarding ships cargo blocks had been removed as a result of there being little application for them in these times. Any application of blocks on ships may be within the regulations of the classification society e.g., Lloyds, DNV, BV ABS and similar.

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

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.

CONTENTS

	<i>Page</i>
1 SCOPE.....	4
2 REFERENCED DOCUMENTS.....	4
3 DEFINITIONS.....	5
4 MATERIALS.....	10
5 DESIGN AND MANUFACTURE.....	14
6 MECHANICAL PROPERTIES	20
7 MARKING	20
8 TESTING OF MECHANICAL PROPERTIES	21
9 PROOF TESTING	22

APPENDICES

A INFORMATION THAT SHOULD BE SUPPLIED WITH ENQUIRIES AND ORDERS	23
B STANDARDS FOR COMPONENTS USED IN LIFTING SYSTEMS.....	24
C CARE AND USE	25
D NON-LIFTING APPLICATIONS USING STEEL WIRE ROPE	26
E DETERMINATION OF WORKING LOAD LIMIT	27
F DESIGN OF SHEAVES.....	28
G OTHER STANDARDS RELEVANT TO THE DESIGN AND MANUFACTURE OF SHEAVE BLOCKS.....	31
H CONDITIONS FOR APPLICATION OF TEST FORCES	33
I MEANS FOR DEMONSTRATING COMPLIANCE WITH THIS STANDARD	34

STANDARDS AUSTRALIA

Australian Standard
Sheave blocks for lifting purposes**1 SCOPE**

This Standard specifies requirements for general purposes sheave blocks or lifting mechanisms as specified in AS 1418.1.

NOTES:

- 1 Sheave blocks used for applications other than lifting may have sheaves that are smaller in diameter than those specified herein.
- 2 This Standard covers sheave blocks with any type of bearing (i.e., frictionless or friction) and with any type of operating means (i.e., power driven or manual).
- 3 This Standard does not cover sheave blocks for the conveyance of persons.
- 4 Guidance on information that should be supplied with enquiries and orders is given in Appendix A.
- 5 Standards for components that are used in lifting systems are listed in Appendix B.
- 6 Guidance on care and use is given in Appendix C.
- 7 Guidance on using sheave blocks for non-lifting applications is given in Appendix D.
- 8 Requirements for the determination of the working load limit is given in Appendix E.

2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS

- | | |
|--------|---|
| 1065 | Non-destructive testing—Ultrasonic testing of carbon and low alloy steel forgings |
| 1171 | Non-magnetic testing—Magnetic particle testing of ferromagnetic products, components and structures |
| 1199 | Sampling procedures for inspection by attributes |
| 1199.0 | Part 0: Introduction to the ISO 2859 attribute sampling system |
| 1199.2 | Part 2: Sampling plans indexed by limiting quality (LQ) for isolated lot inspection |
| 1418 | Cranes, hoists and winches |
| 1418.1 | Part 1: General requirements |
| 1627 | Metal finishing—Preparation and pretreatment of surfaces |
| 1627.0 | Part 0: Method selection guide |
| 1627.6 | Part 6: Chemical conversion treatment of metals |
| 1650 | Hot-dipped galvanized coatings on ferrous articles |
| 1721 | General purpose metric screw threads |
| 1789 | Electroplated zinc (electrogalvanized) coatings on ferrous articles (batch process) |
| 1816 | Metallic materials |
| 1816.1 | Method 1: Brinell hardness test—Test method (ISO 6506-1:2005, MOD) |