

Australian Standard[®]

Swivels for hoists

This Australian Standard was prepared by Committee ME/25, Lifting Tackle. It was approved on behalf of the Council of Standards Australia on 15 February 1989 and published on 14 May 1990.

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Department of Industrial Relations and Employment, N.S.W.
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Swivels for hoists

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PREFACE

This Standard was prepared by the Standards Australia Committee on Lifting Tackle, to supersede AS 2318—1979, Swivels.

This edition applies to a wider range of types of swivel, including swivels incorporating a hook, a bow, or a shackle, and other configurations; however, it does not apply to all types of plain bearing swivel. It has also been completely revised as a performance Standard, without including dimensional requirements for size.

It is one of a series of Standards for components that are used in lifting systems. Standards for other components are listed below.

AS

- 1138 Thimbles for use with wire rope or fibre (natural or synthetic) rope
- 1353 Flat synthetic-webbing slings
- 1353.1 Part 1: Product specification
- 1353.2 Part 2: Care and use
- 1380 Fibre-rope slings (of natural or synthetic rope)
- 1438 Wire-coil flat slings
- 1504 Fibre rope—Three-strand, hawser laid
- 1666 Wire-rope slings
- 1752 Fibre rope—Eight-strand plaited
- 2076 Wire rope grips
- 2089 Sheave blocks (including ships' cargo blocks) of maximum lift 60 t
- 2317 Collared eyebolts
- 2319 Rigging screws and turnbuckles
- 2321 Short-link chain for lifting purposes (non-calibrated)
- 2740 Wedge-type sockets
- 2741 Shackles
- 2759 Steel wire rope—Application guide
- 2841 Galvanized steel wire strand
- 3569 Steel wire ropes
- 3585 End fittings for flat-webbing sling
- 3775 Chain slings—Grade T
- 3776 Lifting components for Grade T chain slings
- 3777 Shank hooks and large-eye hooks—Maximum 25 t
- B291 Lifting rings and links

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STANDARDS AUSTRALIA

Australian Standard
Swivels for hoists

1 SCOPE. This Standard specifies requirements for swivels for hoists. It does not include dimensional requirements for size.

NOTE: Guidance on information that should be supplied with enquiries and orders and guidance on care and use is given in Appendices A and B respectively.

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 Methods for magnetic particle testing of ferromagnetic products and components
- 1199 Sampling procedures and tables for inspection by attributes
- 1399 Guide to AS 1199—Sampling procedures and tables for inspection by attributes
- 1418 SAA Crane Code
- 1418.1 Part 1: General requirements
- 1442 Carbon steels and carbon-manganese steels—Hot-rolled bars and semi-finished products
- 1444 Wrought alloy steels—Standard and hardenability (H) series
- 1554 SAA Structural Steel Welding Code
- 1554.1 Part 1: Welding of steel structures
- 1627 Metal finishing—Preparation and pretreatment of surfaces
- 1627.0 Part 0: Method selection guide for preparation and pretreatment of steel surfaces
- 1627.6 Part 6: Phosphate treatment of iron and steel surfaces
- 1650 Hot-dipped galvanized coatings on ferrous articles
- 1654 Limits and fits for engineering
- 1721 General purpose metric screw threads
- 1789 Electroplated coatings—Zinc on iron or steel
- 1790 Electroplated coatings—Cadmium on iron or steel
- 1816 Method for Brinell hardness test
- 1816.1 Part 1: Testing of metals
- 1831 Iron castings—Spheroidal or nodular graphite cast iron
- 2074 Steel castings
- 2193 Methods of calibration and grading of force-measuring systems of testing machines
- 3777 Shank hooks and large-eye hooks—Maximum 25 t
- 3900 Quality systems—Guide to selection and use
- 3904 Quality systems—Guide to quality management and quality system elements

ISO

Guide 4: General rules for ISO and IEC international third-party certification schemes for products

3 DEFINITIONS. For the purpose of this Standard, the definitions below apply.

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

3.2 Self-coloured—a surface colour of closely adhering brown/blue oxides resulting from heat treatment and subsequent handling during manufacture.

3.3 Shall—indicates that a statement is mandatory.

3.4 Should—indicates a recommendation.