

Australian Standard[®]

**Wire-rope grips for non-lifting
applications**

This Australian Standard was prepared by Committee ME/25, Lifting Tackle. It was approved on behalf of the Council of Standards Australia on 16 February 1996 and published on 5 September 1996.

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Australian Chamber of Manufactures
Australian Forging Group
Australian Maritime Safety Authority
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**Wire-rope grips for non-lifting
applications**

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PREFACE

This Standard was prepared by the Standards Australia Committee ME/25 on Lifting Tackle, to supersede AS 2076—1977, *Wire rope grips*.

The following changes from the previous edition have been incorporated:

- (a) The Standard is limited to non-lifting applications.
- (b) Additional definitions have been included.
- (c) The material requirements have been updated.
- (d) Sizes are not specified, but an extended range of typical dimensions has been listed in Appendix C.
- (e) Some performance requirements have been included.
- (f) Requirements for care and use of wire-rope grips have been extended and written in mandatory terms within the body of the Standard, instead of being included only as an advisory Appendix.
- (g) The requirements for surface finish have been deleted.

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.

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STANDARDS AUSTRALIA

Australian Standard

Wire-rope grips for non-lifting applications

1 SCOPE This Standard specifies requirements for wire-rope grips for non-lifting applications that are used with steel-wire ropes having a diameter of not less than 8 mm.

NOTES:

- 1 Guidance on information that should be supplied with enquiries and orders is given in Appendix A.
- 2 Standards for components that are used in lifting systems are listed in Appendix B.

2 REFERENCED DOCUMENTS The following documents are referred to in this Standard:

AS

- | | |
|------|---|
| 1199 | Sampling procedures and tables for inspection by attributes |
| 1399 | Guide to AS 1199—Sampling procedures and tables for inspection by attributes |
| 1442 | Carbon steels and carbon-manganese steels—Hot-rolled bars and semifinished products |
| 1831 | Iron castings—Spheroidal or nodular graphite cast iron |
| 1832 | Iron castings—Malleable cast iron |
| 2074 | Steel castings |
| 2193 | Methods for calibration and grading of force-measuring systems of testing machines |
| 3569 | Steel wire ropes |

AS/NZS

- | | |
|------------|--|
| ISO 9000 | Quality management and quality assurance standards |
| ISO 9000.1 | Part 1: Guidelines for selection and use |
| ISO 9004 | Quality management and quality system elements |
| ISO 9004.1 | Part 1: Guidelines |

SAA

- | | |
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| HB18 | Guidelines for third-party certification and accreditation |
| HB18.26 | Guide 28—General rules for a model third-party certification scheme for products |

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

3.1 Bridge—a cast, forged or machined component of a wire-rope grip that may have a grooved seat to suit the wire rope to which it is to be attached.

3.2 Clip—a wire-rope grip (see Clause 3.7).

3.3 Double-throat grip—a wire-rope grip that consists of two bridges, each with a u-bolt (see Figure 1(c)).

3.4 Fist grip—a wire-rope grip that consists of two bridges, each with either a threaded stud and nut or an integral threaded pin and nut (see Figure 1(b)).