

Australian Standard<sup>®</sup>

**Underground mining—Winning  
suspension equipment**

**Part 1: General requirements**

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  - Department of Labour New Zealand
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- 

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RECONFIRMATION

OF

AS 3637.1—2005

Underground mining—Winding suspension equipment  
Part 1: General requirements

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RECONFIRMATION NOTICE

Technical Committee ME-018 has reviewed the content of this publication and in accordance with Standards Australia procedures for reconfirmation, it has been determined that the publication is still valid and does not require change.

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NOTES

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## PREFACE

This Standard was prepared by the Standards Australia Committee, Mining Equipment, to supersede AS 3637.1—1989.

*This Standard incorporates Amendment No. 1 (May 2011). The changes required by the Amendment are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure or part thereof affected.*

The objective of this Standard is to facilitate the implementation and maintenance of functional and safe winding suspension equipment in underground mines and to facilitate clear communication in the trade and governance thereof.

This Standard is one of a series of Standards on underground mine winding suspension equipment as follows:

- AS 3637 Underground mining—Winding suspension equipment
- AS 3637.1 Part 1: General requirements (this Standard)
- AS 3637.2 Part 2: Detaching ropes
- AS 3637.3 Part 3: Rope cappings
- AS 3637.4 Part 4: Drawbars and connecting links
- AS 3637.5 Part 5: Rope swivels and swivel hooks
- AS 3637.6 Part 6: Shackles and chains

This Standard is intended to be read in conjunction with Standards covering specific equipment, that is, other Parts in this series.

Reference was made to British Coal documents, Procedure for Examining Cage Suspension Gear at Testing Centres and Design Guide for Cage Suspension Gear in the preparation of Appendices A and D.

This Standard has no legal authority in its own right but may acquire legal standing in one or more of the following ways:

- (a) Adoption by a statutory authority.
- (b) Reference to compliance with the Standard as a contract requirement.
- (c) Claim by a manufacturer or manufacturer's agent of compliance with the 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.

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## STANDARDS AUSTRALIA

## Australian Standard

## Underground mining—Winding suspension equipment

## Part 1: General requirements

**1 SCOPE**

This Standard specifies general requirements for suspension equipment used in vertical mine shafts.

Inspection and maintenance are covered in Appendix A.

**2 REFERENCED DOCUMENTS**

The documents below are referred to in this Standard.

## AS

- |        |  |
|--------|--|
| 1065   | Non-destructive testing—Ultrasonic testing of carbon and low alloy steel forgings                      |
| 1171   | Non-destructive testing—Magnetic particle testing of ferromagnetic products, components and structures |
| 1204   | Structural steels—Ordinary weldable grades   |
| 1275   | Metric screw threads for fasteners   |
| 1391   | Metallic materials—Tensile testing at ambient temperature  |
| 1442   | Carbon steels and carbon-manganese steels—Hot-rolled bars and semi-finished products                   |
| 1544   | Methods for impact tests of metals   |
| 1544.2 | Part 2: Charpy V-notch   |
| 1654   | ISO system of limits and fits  |
| 1654.1 | Part 1: Basis of tolerances, deviations and fits   |
| 1710   | Non-destructive testing of carbon and low alloy steel plate—Test methods and quality classification    |
| 1733   | Methods for the determination of grain size in metals  |
| 2074   | Cast steels  |
| 2536   | Surface texture  |
| 3637   | Underground mining – Winding suspension equipment (All parts as applicable)                            |
| 4199   | Undercuts and runouts for screw threads  |
| AS/NZS |  |
| 1050   | Methods for the analysis of iron and steel   |
| 1050.1 | Part 1: Sampling iron and steel for chemical analysis  |
| 3678   | Structural steel—Hot-rolled plates, floor-plates and slabs   |
| 3679   | Structural steel   |
| 3679.1 | Part 1: Hot-rolled bars and sections   |