

Australian/New Zealand Standard™

**Industrial fall-arrest systems and
devices**

**Part 2: Horizontal lifeline and rail
systems**



S t a n d a r d s Australia



STANDARDS
NEW ZEALAND
Te Kaitiaki Takekōwhiri

AS/NZS 1891.2:2001

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee SF-015, Industrial Safety Belts and Harnesses. It was approved on behalf of the Council of Standards Australia on 16 February 2001 and on behalf of the Council of Standards New Zealand on 26 January 2001. It was published on 20 March 2001.

The following interests are represented on Committee SF-015:

Australian Association of Certification Bodies
Australian Chamber of Commerce and Industry
Australian Industry Group
Australian Lightweight Vertical Rescue Instructors
Bureau of Steel Manufacturers of Australia
Communications, Electrical Plumbing Union
Department of Infrastructure, Energy and Resources, Tas.
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Australian/New Zealand Standard™

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Part 2: Horizontal lifeline and rail systems

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee SF-015, Industrial Safety Belts and Harnesses to supersede in part AS/NZS 1891.2(Int):1998.

The series as published to date comprises the following:

AS/NZS

- 1891 Industrial fall-arrest systems and devices
- 1891.1 Part 1: Safety belts and harnesses
- 1891.2 Part 2: Horizontal lifeline and rail systems (this Standard)
- 1891.2 Suppl Supplement 1: Prescribed configurations for horizontal lifelines (supplement to AS/NZS 1891.2:2000)
- 1891.3 Part 3: Fall-arrest devices
- 1891.4 Part 4: Selection, use and maintenance

The following European Standard was consulted in the course of preparation of this Standard:

EN

- 795 Protection against falls from a height—Anchor devices—Requirements and testing

This Standard was previously published as an Interim Standard due to the uncertainty as to whether the proposed ISO Standard for horizontal lifelines and rails would have similar requirements for dynamic performance testing. As it now appears that the ISO requirements will be similar, the Committee has decided to re-publish this Standard in its final form, i.e. with its interim status retracted. It was also decided that for the sake of clarity, Appendix F of the Interim Standard, titled *Prescribed configuration systems for horizontal lifelines*, would be re-published as a Supplement.

The technical content of this Standard together with that of the Supplement, is unchanged from the Interim Standard except for editorial corrections.

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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Australian/New Zealand Standard
Industrial fall-arrest systems and devices

Part 2: Horizontal lifeline and rail systems

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard specifies design and performance requirements for systems and associated component hardware for horizontal lifelines and rails used for fall-arrest purposes. The Standard covers systems using either rigid rails or flexible lines. Test methods are given in Appendices.

NOTE: Prescribed configurations for horizontal lifelines which are deemed to comply with this Standard are specified in AS/NZS 1891.2 Supplement 1.

1.2 REFERENCED DOCUMENTS

AS

- | | |
|--------|---|
| 1192 | Electroplated coatings—Nickel and chromium |
| 1214 | Hot-dip galvanized coatings on threaded fasteners (ISO metric coarse thread series) |
| 1231 | Aluminium and aluminium alloys—Anodic oxidation coatings |
| 1789 | Electroplated coatings—Zinc on iron or steel |
| 1790 | Electroplated coatings—Cadmium on iron or steel |
| 1897 | Electroplated coatings on threaded components (metric coarse series) |
| 2001 | Methods of test for textiles |
| 2001.1 | Part 1: Conditioning procedures |
| 2193 | Methods for calibration and grading of force-measuring systems of testing machines |
| 3569 | Steel wire ropes |
| 4036 | Corrosion of metal—Dissimilar metals in contact in seawater |
| 4142 | Fibre ropes |
| 4142.2 | Part 2: Three strand hawser-laid and eight-strand plaited |
| 4142.3 | Part 3: Man-made fibre rope for static life rescue lines |
| 4397 | Electroplated coatings of zinc on steel fasteners with imperial threads |

AS/NZS

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|------------------|---|
| 1891 | Industrial fall-arrest systems and devices |
| 1891.1 | Part 1: Safety belts and harnesses |
| 1891.2,
Suppl | Part 2: Horizontal lifeline and rail systems, Supplement 1: Prescribed configurations for horizontal lifelines (Supplement to AS/NZS 1891.2:2001) |
| 1891.3 | Part 3: Fall-arrest devices |
| 4680 | Hot-dip galvanized (zinc coatings on fabricated ferrous articles) |