Australian/New Zealand Standard™

Industrial fall-arrest systems and devices

Part 2: Horizontal lifeline and rail systems





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. Department of Labour, New Zealand Electricity Association of New South Wales Electricity Engineers Association, New Zealand Electricity Supply Association of Australia Industrial Rope Access Association of New Zealand Master Builders Australia Ministry of Economic Development, New Zealand The New Zealand Alpine Club New Zealand Arboricultural Association New Zealand Manufacturers Federation New Zealand Mountain Guides Association Roads & Traffic Authority of N.S.W. Safety Institute of Australia Telstra Corporation Victorian WorkCover Authority WorkCover New South Wales WorkSafe Western Australia

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Originated as AS/NZS 1891.2(Int):1998. Revised and designated in part as AS/NZS 1891.2:2001.

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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 Supp1	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

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

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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 2001.1	Methods of test for textiles 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	
1891	Industrial fall-arrest systems and devices
1891.1	Part 1: Safety belts and harnesses
1891.2,	Part 2: Horizontal lifeline and rail systems, Supplement 1: Prescribed
Supp1	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





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