

AS/NZS 1891.4:2009
(Incorporating Amendment No. 1)

AS/NZS 1891.4:2009

Australian/New Zealand Standard™

Industrial fall-arrest systems and devices

Part 4: Selection, use and maintenance



AS/NZS 1891.4:2009

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee SF-015, Industrial Height Safety Equipment. It was approved on behalf of the Council of Standards Australia on 28 September 2009 and on behalf of the Council of Standards New Zealand on 16 October 2009.
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The following are represented on Committee SF-015:

Australian Chamber of Commerce and Industry
Australian Industry Group
Australian Lightweight Vertical Rescue Instructors
Australian Mobile Telecommunications Association
Business New Zealand
Certification Interests (Australia)
Communications, Electrical and Plumbing Union
Electricity Engineers Association (New Zealand)
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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee SF-015, Industrial Height Safety Equipment (formerly Industrial Safety Belts and Harnesses), to supersede AS/NZS 1891.4:2000. It is one of five Standards in the series *Industrial fall-arrest systems and devices*. The series comprises the following Standards:

A1

AS/NZS 1891.1, *Personal equipment for work at height, Part 1: Manufacturing requirements for full body combination and lower body harnesses*

AS/NZS 1891.2, *Industrial fall-arrest systems and devices, Part 2: Horizontal lifeline and rail systems*

AS/NZS 1891.2 Suppl, *Industrial fall-arrest systems and devices, Part 2: Horizontal lifeline and rail systems, Supplement 1: Prescribed configurations for horizontal lifelines (Supplement to AS/NZS 1891.2—2001)*

AS/NZS 1891.3, *Personal equipment for work at height, Part 3: Manufacturing requirements for fall-arrest devices*

AS/NZS 1891.4, *Industrial fall-arrest systems and devices, Part 4: Selection, use and maintenance*

AS 1891.5, *Personal equipment for work at height, Part 5: Manufacturing requirements for lanyard assemblies and pole straps*

The objective of Amendment No. 1:2021 is to update referenced documents only.

This Standard incorporates Amendment No. 1 (June 2021). 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.

This edition has been prepared with the specific intention of aligning it with the recently published edition of AS/NZS 1891.1.

Principal changes from the previous edition are as follows:

- (a) Removal of ‘total restraint’ from the scope of the Standard as equipment provided solely for restraint purposes is not dealt with in the AS/NZS 1891 series of Standards. This Standard recognizes only ‘restraint technique’ which allows for the possibility of a fall and requires the use of fall-arrest rated equipment and anchorages. For clarification purposes a description of ‘total restraint’ is given in Appendix F.
- (b) Minimum allowable anchorage strength to be 12 kN or 15 kN depending on fall distance.
- (c) New terminology for harnesses (full or lower body) and positioning of fall-arrest attachment points.
- (d) Inclusion of twin-tail lanyards.
- (e) In-service values for the extension of personal energy absorbers in fall situations.
- (f) Lower body harness use restricted to limited free fall and restrained fall.
- (g) Updated requirements for operator training and assessment.
- (h) The term ‘suspension trauma’ has been changed to ‘suspension intolerance (trauma)’.
- (i) A belt or waist strap alone in lieu of a harness is no longer permitted for any of the applications in this Standard to protect against a potential fall.

The term ‘informative’ has been used in this Standard to define the application of the appendix to which it applies. An ‘informative’ appendix is only for information and guidance.

Statements expressed in mandatory terms in footnotes to figures are deemed to be requirements of this Standard.

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