AS/NZS 5532:2013

Australian/New Zealand Standard™

Manufacturing requirements for single-point anchor device used for harness-based work at height

STANDARDS Australia

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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 18 October 2013 and on behalf of the Council of Standards New Zealand on 9 October 2013.
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The following are represented on Committee SF-015:

Association of Accredited Certification Bodies
Australian Chamber of Commerce and Industry
Australian Industry Group
Australian Lightweight Vertical Rescue Instructors
Australian Mobile Telecommunications Association
Australian Rope Access Association
Business New Zealand
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Energy Networks Association
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Scaffolding and Rigging Association, New Zealand
WorkCover New South Wales
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We also welcome suggestions for improvement in our Standards, and especially encourage readers to notify us immediately of any apparent inaccuracies or ambiguities. Please address your comments to the Chief Executive of either Standards Australia or Standards New Zealand at the address shown on the back cover.

This Standard was issued in draft form for comment as DR2 AS/NZS 5532.

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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 supplement the AS/NZS 1891 series of Standards by the addition of a Standard covering the manufacturing performance requirements, test methods for manufacture, marking, labelling and packaging of both fixed and portable single point anchor devices exclusively for the protection of personnel against falls from a height for fall arrest, work positioning and travel restriction (restraint technique) in an industrial environment.

The AS/NZS 1891 series as published to date includes the following:

AS/NZS		
1891	Industrial fall arrest systems and devices	
1891.1	Part 1:	Harnesses and ancillary equipment
1891.2	Part 2:	Horizontal lifeline and rail systems
1891.2 Supp1	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
1891.4	Part 4:	Selection, use and maintenance

This Standard has been prepared with the specific intention of aligning it with the AS/NZS 1891 series.

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.

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1 SCOPE

This Standard specifies manufacturing performance requirements, test methods, and marking, labelling and packaging requirements, as appropriate, for both fixed and portable single-point anchor devices exclusively for the protection of personnel against falls from a height for fall arrest, work positioning and travel restriction (restraint technique) in the industrial environment.

The Standard is applicable to anchor devices for use with equipment that conforms to the AS/NZS 1891 series and the AS/NZS 4488 series.

This Standard does not cover the following related critical issues:

(a) Assessing the site to complete the overall design and layout of the anchor system including ensuring safe access to the system, work methods that provide adequate protection for the tasks to be undertaken and safe egress from the system. These are the responsibilities of the system designer.

(b) The correct installation and on-site testing of the anchor points to ensure they meet the required strength requirements in their particular locations and substrates. These are the responsibilities of the system installer.

(c) Vertical rigid or flexible line systems and horizontal lifelines (covered in AS/NZS 1891.2 and AS/NZS 1891.3).

(d) Guidance on anchor installations, layout or use.

(e) Pole top rescue.

(f) Theatrical flying.

(g) Total restraint applications.

(h) Rescue operations.

(i) Emergency services.

2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS

2331 Methods of test for metallic and related coatings

2331.3.3 Part 3.3: Corrosion and related property tests—Copper accelerated acetic acid salt spray test (CASS test)

AS/NZS

1891 Industrial fall arrest systems and devices

1891.1 Part 1: Harnesses and ancillary equipment

1891.2 Part 2: Horizontal lifeline and rail systems

1891.3 Part 3: Fall arrest devices

1891.4 Part 4: Selection, use and maintenance

4488 Industrial rope access systems (series)

SAE

J211 Instrumentation For Impact Test