

AS/NZS 1801:1997

Australian/New Zealand Standard[®]

Occupational protective helmets

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This Joint Australian/New Zealand Standard was prepared by Joint Technical Committees SF/18, Occupational Protective Helmets and SF/42, Helmets for Firefighters. It was approved on behalf of the Council of Standards Australia on 18 July 1997 and on behalf of the Council of Standards New Zealand on 14 July 1997. It was published on 5 September 1997.

The following interests are represented on Committees SF/18 and SF/42:

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Australasian Institute of Mining and Metallurgy
Australian Association of Certification Bodies
Australian Chamber of Commerce and Industry
Australian Fire Authorities Council
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New Zealand Fire Service
New Zealand Helmet Testing Interests
New Zealand Logging Industry Research Association
New Zealand Professional Firefighters Union
Safety Institute of Australia
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Work Health Authority, Northern Territory
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Department of Bush Fire Services New South Wales
Department of Defence, Australia
Metal Trades Industry Association of Australia
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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee SF/18 on Occupational Protective Helmets together with the Joint Standards Australia/Standards New Zealand Committee SF/42 on Firefighters' Helmets, to supersede AS 1801—1981 *Industrial safety helmets* and NZS 5806:1980—*Specification for industrial safety helmets (medium protection)*.

This Standard was thoroughly revised with the objectives of incorporating improvements based on user experience since it was last published and including additional performance requirements for, and classification of, occupational helmets for use in high temperature workplaces and bushfire fighting.

During the preparation of this edition, the committee again considered the requirements of ISO 3873, *Industrial Safety Helmets*. It was agreed to align the Standard closer to ISO 3873 by adopting an alternative method of shock absorption measurement by using a load cell.

In the preparation of this Standard, reference was made to EN 397 *Specification for Industrial Safety Helmets*, and ANSI Z89.1 *Protective Headwear for Industrial Workers—Requirements*.

The Committee is currently considering revising the stiffness test in order to decrease variability between laboratories. It is expected the results of this review will be incorporated in the next revision.

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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