

AS/NZS 1336:1997

Australian/New Zealand Standard[®]

**Recommended practices for
occupational eye protection**

AS/NZS 1336:1997

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee SF/6, Eye Protection. It was approved on behalf of the Council of Standards Australia on 15 November 1996 and on behalf of the Council of Standards New Zealand on 15 November 1996. It was published on 5 January 1997.

The following interests are represented on Committee SF/6:

Auckland Manufacturers Association
Australian Association of Certification Bodies
Australian Association of Dispensing Opticians
Australian Chamber of Commerce and Industry
Australian Optometrical Association
Department of Bush Fire Services, N.S.W.
Department of Defence, Australia
Guild of Dispensing Opticians, Australia
New Zealand Association of Optometrists
Optical Distributors and Manufacturers Association of Australia
Queensland University of Technology School of Optometry
Safety Institute of Australia
University of Auckland School of Optometry and Vision Science
University of New South Wales School of Optometry
Victorian College of Optometry, University of Melbourne
WorkCover, N.S.W.
WorkSafe, Western Australia

Additional interests participating in preparation of Standard:

Australian Radiation Laboratory
Australian Dental Association

Review of Standards. To keep abreast of progress in industry, Joint Australian/New Zealand Standards are subject to periodic review and are kept up to date by the issue of amendments or new editions as necessary. It is important therefore that Standards users ensure that they are in possession of the latest edition, and any amendments thereto.

Full details of all Joint Standards and related publications will be found in the Standards Australia and Standards New Zealand Catalogue of Publications; this information is supplemented each month by the magazines 'The Australian Standard' and 'Standards New Zealand', which subscribing members receive, and which give details of new publications, new editions and amendments, and of withdrawn Standards.

Suggestions for improvements to Joint Standards, addressed to the head office of either Standards Australia or Standards New Zealand, are welcomed. Notification of any inaccuracy or ambiguity found in a Joint Australian/New Zealand Standard should be made without delay in order that the matter may be investigated and appropriate action taken.

AS/NZS 1336:1997

Australian/New Zealand Standard[®]

**Recommended practices for
occupational eye protection**

PUBLISHED JOINTLY BY:

STANDARDS AUSTRALIA
1 The Crescent,
Homebush NSW 2140 Australia

STANDARDS NEW ZEALAND
Level 10, Radio New Zealand House,
155 The Terrace,
Wellington 6001 New Zealand

ISBN 0 7337 0861 7

PREFACE

This Standard was prepared by the Joint Australia/New Zealand Standards Committee SF/6 on Eye Protection to supersede AS 1336—1982, *Recommended practices for eye protection in the industrial environment*.

The Standard provides guidance for the selection, care and use of eye protectors worn in occupational environments to protect eyes against hazards, such as flying particles and fragments, and exposure to optical radiation occurring in industrial processes, such as welding. This edition includes recommended methods for elimination or control of eye hazards, provides recommendations for the use of eye protectors which comply with the relevant Australian/New Zealand Standards, and contains basic details for the development of eye safety programs. Appendices providing guidance on selection and use of filters for protection against optical radiation generated during welding and allied operations, ultraviolet and infrared radiation have been included for reference purposes. More extensive information on, and requirements for, eye protectors with prescription lenses, which are expected to provide low impact protection, is given in this edition.

The purpose of this revision is to provide more extensive information about the practicalities and matters that should be considered when producing prescription lenses for safety eyewear, to align the recommendations in this Standard with those in the current editions of [AS/NZS 1337](#), *Eye protectors for industrial applications* and [AS/NZS 1338](#), *Filters for eye protectors*, to provide information on the selection of welding screens which meet the requirements of [AS 3957/NZS 5852](#), *Light-transmitting screens and curtains for welding operations*, and to provide guidance on the selection of eye protectors appropriate to the use of particular lasers.

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.

© Copyright — STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

Users of Standards are reminded that copyright subsists in all Standards Australia and Standards New Zealand publications and software. Except where the Copyright Act allows and except where provided for below no publications or software produced by Standards Australia or Standards New Zealand may be reproduced, stored in a retrieval system in any form or transmitted by any means without prior permission in writing from Standards Australia or Standards New Zealand. Permission may be conditional on an appropriate royalty payment. Australian requests for permission and information on commercial software royalties should be directed to the head office of Standards Australia. New Zealand requests should be directed to Standards New Zealand.

Up to 10 percent of the technical content pages of a Standard may be copied for use exclusively in-house by purchasers of the Standard without payment of a royalty or advice to Standards Australia or Standards New Zealand.

Inclusion of copyright material in computer software programs is also permitted without royalty payment provided such programs are used exclusively in-house by the creators of the programs.

Care should be taken to ensure that material used is from the current edition of the Standard and that it is updated whenever the Standard is amended or revised. The number and date of the Standard should therefore be clearly identified.

The use of material in print form or in computer software programs to be used commercially, with or without payment, or in commercial contracts is subject to the payment of a royalty. This policy may be varied by Standards Australia or Standards New Zealand at any time.

CONTENTS

| | <i>Page</i> |
|--|-------------|
| FOREWORD | 5 |
| SECTION 1 SCOPE AND GENERAL | |
| 1.1 SCOPE | 6 |
| 1.2 OBJECTIVE | 6 |
| 1.3 REFERENCED DOCUMENTS | 6 |
| 1.4 DEFINITIONS | 7 |
| 1.5 PRINCIPLES | 8 |
| 1.6 IDENTIFICATION OF RISK AREAS | 8 |
| SECTION 2 ELIMINATION OF EYE HAZARDS | |
| 2.1 RISK OF EYE INJURIES | 10 |
| 2.2 MAINTAINING SAFETY MEASURES | 10 |
| SECTION 3 CONTROL OF EYE HAZARDS | |
| 3.1 GENERAL | 11 |
| 3.2 SCREENS | 11 |
| 3.3 EXHAUST SYSTEMS | 12 |
| 3.4 OTHER METHODS | 12 |
| SECTION 4 USE OF PERSONAL EYE PROTECTORS | |
| 4.1 GENERAL | 13 |
| 4.2 SELECTION OF EYE PROTECTORS | 13 |
| 4.3 ISSUE AND FITTING | 19 |
| 4.4 FOGGING AND PERSPIRATION | 19 |
| 4.5 MAINTENANCE AND REISSUE | 19 |
| 4.6 REPLACEMENT | 20 |
| 4.7 PROMOTING THE USE OF EYE PROTECTORS | 20 |
| 4.8 EDUCATIONAL PROGRAM | 21 |
| 4.9 EYE PROTECTION FOR WEARERS OF CONTACT LENSES | 21 |
| SECTION 5 EYE PROTECTION AGAINST ULTRAVIOLET AND INFRARED RADIATION | |
| 5.1 GUIDANCE | 22 |
| 5.2 PROCESSES REQUIRING PROTECTION FROM ULTRAVIOLET RADIATION AND FLYING SPARKS | 22 |
| 5.3 PROCESSES REQUIRING MODERATE REDUCTION OF VISIBLE RADIATION AND PROTECTION FROM ULTRAVIOLET AND INFRARED RADIATION | 22 |
| 5.4 PROCESSES REQUIRING CONSIDERABLE REDUCTION OF VISIBLE RADIATION AND PROTECTION FROM ULTRAVIOLET AND INFRARED RADIATION | 22 |
| 5.5 EYE PROTECTION FOR WELDERS | 22 |
| 5.6 EYE PROTECTION FOR WELDERS' ASSISTANTS | 22 |
| 5.7 EYE PROTECTION FOR PERSONS NOT ENGAGED IN WELDING OPERATIONS | 23 |

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

-
- Looking for additional Standards? Visit Intertek Inform Infostore
 - Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation
-