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CONTACT LENSES

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THE FOLLOWING SCIENTIFIC, INDUSTRIAL AND GOVERNMENTAL organizations and departments were officially represented on the committee entrusted with the preparation of this standard:

Associated Chambers of Manufactures of Australia
Australian Association of Dispensing Opticians
Australian College of Ophthalmologists
Australian Optometrical Association
CSIRO, Division of Physics
Guild of Dispensing Opticians
Optical Distributors and Manufacturers Association of Australia
Opticians and Optometrists Association of N.S.W.
University of N.S.W., Department of Optometry
Victorian College of Optometry

This standard, prepared by Committee MS/24, Ophthalmic Lenses, was approved on behalf of the Council of the Standards Association of Australia on 23 February 1976, and was published on 1 September 1976.

To keep abreast of progress, Australian standards are regularly reviewed. Suggestions for improvements to published standards, addressed to the head office of the Association, are welcomed.

This standard was issued in draft form for public review as DR 75026.

AUSTRALIAN STANDARD SPECIFICATION

CONTACT LENSES

AS 1887 — 1976

First published 1976

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to
AS 1887-1976
CONTACT LENSES

SUMMARY: The following sections of the standard are covered by this correction slip: Fig.3, Fig.4; Clause 2.1.2;

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PREFACE

This standard was prepared by the Association's Committee on Ophthalmic Lenses because of the widespread use of contact lenses in Australia and the consequent need for standards covering manufacture and supply, terminology and prescription procedures.

The standard distinguishes between corneal lenses, both hard and flexible,* and scleral lenses. It includes tolerances for various lens parameters and methods of measurement.

A recommended standard form of prescription is given in an appendix. A second appendix gives recommended requirements for containers, whilst a further appendix provides a glossary of terms supplementary to those defined and used in the text.

In the preparation of this standard, consideration was given to the following documents:

Draft British Standard on Terminology Applicable to Contact Lenses

ANSI Z80.2 Prescription Requirements for First Quality Contact Lenses.

Acknowledgement is made of the assistance received from these sources.

*The term 'soft lens' is sometimes used to describe a flexible lens.

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STANDARDS ASSOCIATION OF AUSTRALIA

Australian Standard Specification for CONTACT LENSES

SECTION 1. SCOPE AND DEFINITIONS

1.1 SCOPE. This specification relates to the manufacture and supply of contact lenses.

A standard method of prescribing contact lenses is included as Appendix A, with an illustration of the suggested layout for order forms.

Recommendations for storage containers for lenses are included as Appendix B.

Appendix C provides a glossary of terms supplementary to those defined in Clause 1.2.

1.2 DEFINITIONS. For the purpose of this specification, the following definitions apply (some terms are illustrated in Figs 1-7):

Axial edge lift—the distance between the parallel planes, both perpendicular to the axis of symmetry, in which the back surface of the lens and an extension of the back central optic surface cut the planes at equal optic diameters.

Axis of symmetry—the common axis of revolution of the spherical zones on the back surface of the lens.

Back central optic diameter (BCOD)—the diameter of the back optic zone.

NOTES:

1. For a toric surface, if one diameter only is specified, it should be the longest back central optic diameter.
2. For a conicoid back surface, the optic zone is that central area of the lens over which a surface of single eccentricity value exists in any given meridian.

Back central optic radius (BCOR)—the meridional radius of curvature of a back optic zone of the lens. For aspherical lenses, the BCOR shall be the radius of curvature at the axis of symmetry.

Back haptic size (BHS)—the maximum internal dimensions of the back surface of the haptic portion before the sharp edge has been rounded.