

Spectacle lenses —

Part 1: Specification for tolerances on optical properties of mounted spectacle lenses

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- Association for Consumer Research (ACRE)
- Association of British Dispensing Opticians
- Association of Contact Lens Manufacturers
- British College of Optometrists
- British Contact Lens Association
- British Medical Association
- British Spectacle Frame Makers' Association
- British Universities Committee of Contact Lens Educators
- Consumer Policy Committee of BSI
- Department of Health and Social Security
- Department of Trade and Industry (National Physical Laboratory)
- Faculty of Ophthalmologists
- Federation of Manufacturing Opticians
- Federation of Ophthalmic and Dispensing Opticians
- Flat Glass Manufacturers' Association
- Optic (UK)
- Opticians Prescription Organization

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Foreword

This Part of BS 2738 has been prepared under the direction of the Health Care Standards Committee. It supersedes BS 2738:1985 which is withdrawn.

The revision of BS 2738:1962 which led to the 1985 edition of the standard was carried out at the request of the Department of Health and Social Security to make the standard suitable for use in legislation governing the quality and safety of optical appliances. In that revision, the manner of specifying tolerances for astigmatic lenses was changed: instead of specifying the tolerances on the spherical power and the cylindrical power, the tolerances on the two principal powers and the cylindrical power were specified. A further technical change was the inclusion of requirements for the tolerances on progressive power lenses.

Additionally, the 1985 edition was only applicable to the tolerances on mounted lenses in a ready-for-wear state; the permitted tolerances for uncut finished lenses were excluded. These latter are now specified in BS 2738-2.

In this revision the principal changes from the 1985 edition are the inclusion of marking requirements and an editorial rearrangement of clause 6.

Like the 1985 edition, this standard is not a specification for mounted lenses; it specifies the tolerances that apply to the nominal values on the prescription order. Application of this standard will therefore result in lenses with optical properties that conform in a standard manner to the prescription order in respect of the lens power, the cylinder axes, the base setting and power of prisms, the centration and linear dimensions.

This edition is now designated BS 2738-1 and is published simultaneously with Part 2 of this standard which specifies the tolerances for uncut finished lenses.

As recommended in Appendix A of BS 3521-1:1992 & BS 3521-2:1962¹⁾, values for dioptric power are designated throughout this standard with two digits after the decimal point.

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 6, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

¹⁾ In course of revision.