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British Standard Specification for

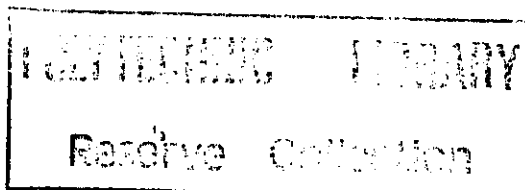
## Mondopoint footwear sizing and marking system

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Articles chaussants — Système Mondopoint de mesurage et de marquage — Spécifications

Mondopointsystem zur Größenbe- und Kennzeichnung von Schuhwerk



### Foreword

This revision of this British Standard, which has been prepared under the direction of the Clothing Standards Committee, supersedes BS 4981 : Part 1 : 1973 and BS 4981 : Part 2 : 1974, which are withdrawn.

Part 1, which was based on ISO 2816 and ISO 3844, published by the International Organization for Standardization (ISO), dealt with the fundamentals of Mondopoint, a universal sizing system for boots and shoes. Part 2, which was based on DIS 3355 (subsequently ISO 3355), published by the International Organization for Standardization (ISO), gave supplementary information about length intervals.

Due to technical and other problems, adoption of the Mondopoint system, in place of a variety of other sizing systems in use in different countries, has proceeded slowly. Accordingly, to facilitate implementation of the Mondopoint system, ISO Technical Committee TC 137 at its meeting in Gottwaldov, Czechoslovakia in March 1980, adopted the following Resolutions:

*'Resolution 28 (range of widths).* The delegates present agree that, in the width grading system, for each length, each width may be any whole number of millimetres, the grading interval between two consecutive widths being one millimetre.

A range of footwear may include one or more widths for each length.

The national standards organizations may specify in their standards tables of widths corresponding to their requirements.'

*'Resolution 30.* The delegates present agree that the Mondopoint system, as far as concerns the length defined in ISO 2816 (paragraph 2.2) and ISO 3844, may be introduced into use, for a transitional period, by converting the existing shoe sizes into corresponding lengths (expressed in millimetres) of the average normal foot fitted.'

This revision has been prepared with the intention of adopting the principle embodied in the foregoing Resolutions and thus to facilitate implementation of the Mondopoint footwear sizing system. In combining the two parts the specification has been simplified by making optional the width provisions and by removing the intervals of 5 mm or 7.5 mm for marking length sizes.

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## 1 Scope

This British Standard specifies requirements for the establishment of a universal system of footwear, sizing and marking, the Mondopoint system. The system is applicable to all types of boots and shoes without restriction.

NOTE. The titles of the publications referred to in this standard are listed on the inside back page.

## 2 Definitions

For the purposes of this British Standard the following definitions apply.

**size of the shoe.** The measurement or measurements of a foot deemed to be sufficient to provide a shoe that will fit a foot corresponding to that or those measurements.

**2.2 length of the foot.** The horizontal distance between the perpendiculars in contact with the end of the most prominent toe and the most prominent part of the heel, measured with the subject standing (the weight of the body equally distributed on both feet) and wearing hose appropriate to the type of boot or shoe. (See figure 1.)

**2.3 width of the foot.** The horizontal distance between vertical lines in contact with the first and fifth metatarsophalangeal joints (see figure 2), under conditions identical with those previously used for measurement of length.

**2.4 average foot.** A normal foot defined from the examination of statistical results and anatomical studies.

## 3 Sizing system

The sizing system shall be based on the length of the average foot fitted by the footwear.

NOTE. The sizing system may also include the width of the foot.

**3.2** Each measurement shall be expressed in a whole number of millimetres.

NOTE. This requirement does not preclude the use of codes as an additional means of expressing width. Such codes may form the subject of further British Standards.

## 4 Size marking and labelling

### 4.1 General

The size marking shall be expressed as specified in 4.2 or 4.3, using characters which shall be at least 3 mm in height.

### 4.2 Length measurement only

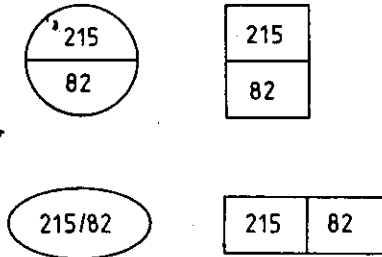
The length measurement shall be marked on the footwear.

NOTE. The number should preferably be enclosed in a rectangular or oval figure for clarity and ease of recognition.

### 4.3 Length and width measurements

The length measurement shall be stated first, followed by the width measurement and the two numbers shall be separated by a solidus or other line.

NOTE. The numbers should preferably be enclosed in a rectangular or oval figure for clarity and ease of recognition, e.g. for 215/82:



## 5 Transition from existing systems

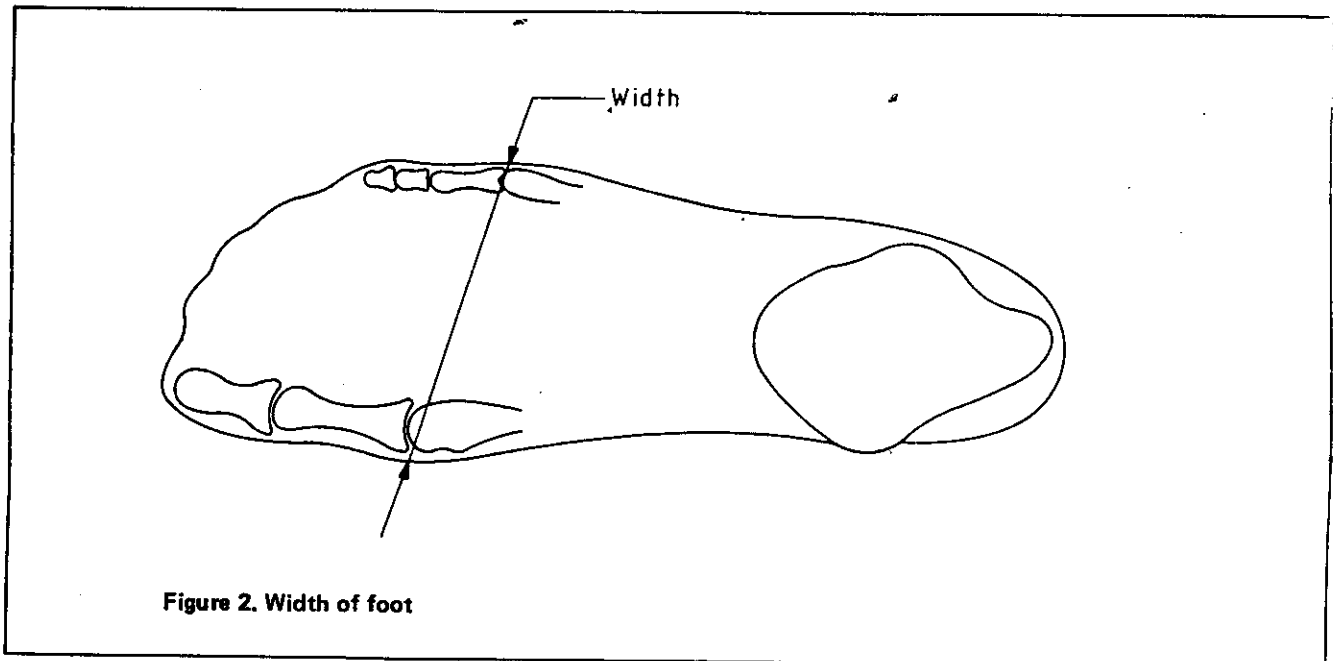
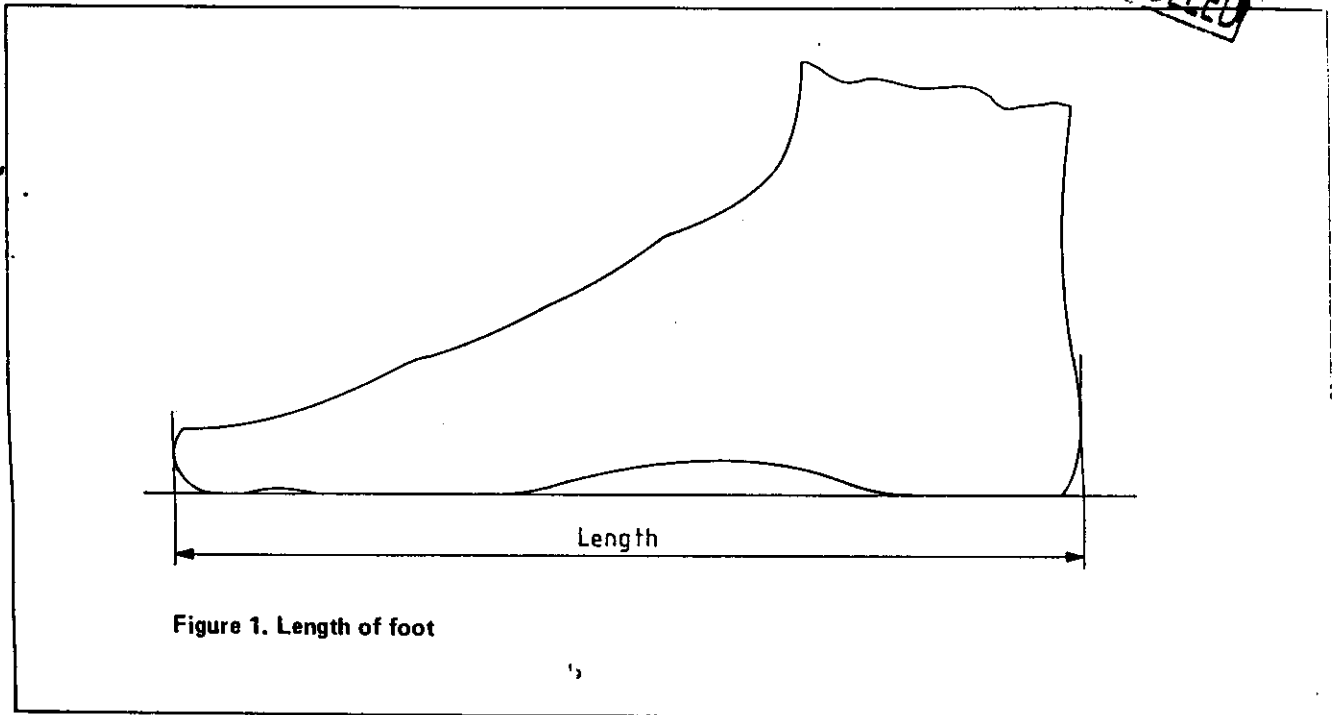
Any existing system of footwear sizing, other than the Mondopoint system, shall be adapted to the Mondopoint system by conversion of each existing size into the corresponding length (expressed in millimetres) of the average foot fitted. Each size may also include a designation of the width in millimetres or by means of a code.

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**Publications referred to**

- \*ISO 2816 Fundamental characteristics of a system of shoe sizing to be known as Mondopoint
- \*ISO 3355 Shoe sizes — System of length grading (for use in the Mondopoint system)
- \*ISO 3844 Shoe sizes — Method of marking

\*Referred to in the foreword only.

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The following BSI references relate to the work on this standard: Committee reference CLM/7 Draft for comment 81/35558 DC

**Committees responsible for this British Standard**

The preparation of this British Standard was entrusted by the Clothing Standards Committee (CLM/-) to Technical Committee CLM/7, upon which the following bodies were represented:

- British Footwear Manufacturers' Federation
- British Leather Manufacturers' Research Association
- British Rubber Manufacturers' Association
- British Steel Corporation
- Consumer Standards Advisory Committee of BSI
- Department of Trade and Industry (Chemicals, Textiles, Paper and Miscellaneous Division)
- Footwear Components Federation
- Footwear Distributors' Federation
- Institute of Trading Standards Administration
- Iron and Steel Traders' Federation
- Lancashire Footwear Manufacturers' Association
- Ministry of Defence

- National Union of Footwear, Leather and Allied Trades
- Office of Fair Trading
- Satra Footwear Technology Centre
- Coopted members

The following bodies were also represented in the drafting of the standard, through sub-committees and panels:

- British Boot and Shoe Institution
- British Retailers' Association
- Consumers' Association
- Instock Footwear Suppliers' Association
- Mail Order Traders' Association of Great Britain
- Multiple Shoe Retailers' Association
- Society of Chiropodists

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