

Specification for

Dimensional codes for passenger cars

UDC 629.114.6.071:003.6

Foreword

This British Standard has been prepared, under the direction of the Automobile Standards Committee, to implement ISO 4131:1979 “*Road vehicles — Dimensional codes for passenger cars*” prepared by Technical Committee ISO/TC 23, Road vehicles, of the International Organization for Standardization (ISO).

All the dimensions in ISO 4131 are included in this British Standard, with the same or essentially similar definitions and, except where otherwise indicated, with the same codes less the prefix “ISO”, and are given in prominent bold type. Some other dimensions are also included with codes which are already in use in some major car-manufacturing countries.

Each code consists of a capital letter denoting the type of dimension (L for length; H for height; W for width; D for diameter; V for volume; L, H or W for an angle, according to whether it is dimensioned with respect to the zero Z, Z or Y plane) and a number.

To enable the code for a particular dimension and the dimension to which a particular code applies to be traced, an alphabetical index of dimensions and an index of codes are provided.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 20 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.

This British Standard, having been prepared under the direction of the Automobile Standards Committee, was published under the authority of the Executive Board and comes into effect on 31 July 1981.

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The following BSI references relate to the work on this standard:

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1 Scope

This British Standard specifies the codes to be used for dimensional data relating to passenger cars (see 3.1) and their derivatives.

2 References

The following standards publications are referred to in this standard.

BS AU 173, *Definitions for a three-dimensional reference system and fiducial marks.*

ISO 1176, *Road vehicles — Weights — Vocabulary.*

ISO 3832, *Road vehicles — Luggage compartments of passenger cars — Method of measuring the reference volume.*

ISO 4131, *Road vehicles — Dimensional codes for passenger cars.*

3 Definitions

NOTE Throughout this British Standard, unless otherwise stated, the supporting surface is assumed to be horizontal, lengths and widths are measured in a horizontal plane, and heights are measured in a vertical plane.

For the purposes of this British Standard, the following general definitions and the particular definitions in clauses 5, 6 and 7 apply.

3.1

passenger car

a motor vehicle intended primarily for carrying persons and their goods and having a maximum of nine seating places including the driving seat

3.2 Loading conditions

3.2.1

design load

unless otherwise defined by the manufacturer, the kerb weight (including the spare wheel and any accessory equipment) plus 68 kg per passenger distributed as follows

| Number of seating positions | Number of passengers | Distribution |
|-----------------------------|----------------------|--|
| 2 and 3 | 2 | 2 in the front seats |
| 4 and 5 | 3 | 2 in the front seats 1 in the back seats |
| 6 and 7 | 4 | 2 in the front seats 2 in the extreme back seats |
| 8 and 9 | 5 | 2 in the front seats 3 in the extreme back seats or, when the rear row of seats has only 2 seating positions, 2 in that row and 1 in the second row from the rear |

3.2.2

kerb weight

the complete vehicle kerb weight as defined in ISO 1176

3.2.3

maximum weight

the maximum authorized total weight as defined in ISO 1176

3.3

zero X, Y and Z planes

see BS AU 173

3.4

x-, y- and z- planes

planes parallel to the zero X, Y and Z planes respectively