

Specification for

Minimum operator space envelope for earth-moving machinery

[ISO title: Earth-moving machinery — Human physical
dimensions of operators and minimum operator space envelope]

UDC 624.132:621.878/.879:629.11.014-056.23

NO COPYING WITHOUT BSI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW

Committees responsible for this British Standard

This British Standard was published under the direction of the Road Engineering Standards Committee RDB/-. Its preparation was entrusted to Technical Committee RDB/21 upon which the following bodies were represented:

- Associated Offices Technical Committee
- Construction Industry Training Board
- Construction Plant-hire Association
- Department of Industry
- Federation of Civil Engineering Contractors
- Federation of Manufacturers of Construction Equipment and Cranes
- Health and Safety Executive
- Institution of Civil Engineers
- Institution of Highway Engineers
- Ministry of Defence
- National Coal Board
- Trades Union Congress
- Coopted members

This British Standard, having been prepared under the direction of the Road Engineering Standards Committee, was published under the authority of the Board of BSI and comes into effect on 29 April 1983

© BSI 10-1999
First published January 1978
First revision April 1983

The following BSI references relate to the work on this standard:
Committee reference RDB/21
Draft for comment 82/10070 DC

ISBN 0 580 11946 7

Amendments issued since publication

Amd. No.	Date of issue	Comments
6115	April 1990	
6657	January 1991	Indicated by a sideline in the margin

Contents

	Page
Committees responsible	Inside front cover
National foreword	ii
Brief history	2
Text of EN 23411	3
Publications referred to	Inside back cover

National foreword

This revision of BS 5538, prepared under the direction of the Road Engineering Standards Committee, is identical with ISO 3411:1982 “*Earth-moving machinery — Human physical dimensions of operators and minimum operator space envelope*” published by the International Organization for Standardization (ISO). It supersedes BS 5538:1978 which is withdrawn. In 1988 the European Committee for Standardization (CEN) adopted ISO 3411:1982 (and consequently BS 5538:1983) as European Standard EN 23411.

ISO 3411 was revised as a result of international discussion in which the UK took an active part. Consequently BS 5538:1978, which was identical with ISO 3411:1975, has been revised accordingly. Amendment 1, published in 1989, to ISO 3411 was implemented in this British Standard by Amendment No. 1.

Terminology and conventions. The text of the International Standard has been approved as suitable for publication as a British Standard without deviation. Some terminology and certain conventions are not identical with those used in British Standards; attention is drawn especially to the following.

The comma has been used as a decimal marker. In British Standards it is current practice to use a full point on the baseline as the decimal marker.

Wherever the words “International Standard” appear, referring to this standard, they should be read as “British Standard”.

Cross-references

International Standard Corresponding British Standard	
ISO 3449:1980	BS 5526:1980 <i>Specification for falling-object protective structures on earth-moving machinery: laboratory tests and performance requirements</i> (Identical)
ISO 3471:1980	BS 5527:1981 <i>Specification for roll-over protective structures on earth-moving machinery: laboratory tests and performance requirements</i> (Identical)
ISO 5353:1978	BS 5631:1978 <i>Specification for earth-moving machinery — seat index point</i> (identical)
ISO 6682:1980	BS 6124:1981 <i>Specification for zones of comfort and reach for controls in earth-moving machinery</i> (Identical)

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, the EN title pages 2 to 10, 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.

UDC 621.878/.879:331.103.222:331.101.1

Key words: Earth-moving equipment, Human factors engineering, operating stations, Dimensions.

English version

Earth-moving machinery; Human physical dimensions of operators and minimum operator space envelope

(ISO 3411:1982, 2nd edition)

Engins de terrassement; Dimensions
ergonomiques des conducteurs et espace
enveloppe minimal
(ISO 3411:1982, 2ième édition)

Erdbaumaschinen. Maschinenführer;
Körpermasse; Mindest-Freiraum
(ISO 3411:1982, 2. Ausgabe)

This European Standard was accepted by CEN on 15 February 1988. CEN members are bound to comply with the requirements of the CEN/CENELEC Rules which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN Central Secretariat or to any CEN member.

This European Standard exists in the official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to CEN Central Secretariat has the same status as the official versions.

CEN members are the national standards organizations of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart 36, B-1050 Brussels

© CEN 1988 Copyright reserved to all CEN members