

Mobile road construction machinery — Safety —

Part 1: Common requirements

The European Standard EN 500-1:1995 has the status of a
British Standard

ICS 91.220

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Committees responsible for this British Standard

The preparation of this British Standard was entrusted to Technical Committee B/513, Construction equipment and plant, and site safety, to Subcommittee B/513/1, Earth-moving machinery, upon which the following bodies were represented:

- British Coal Corporation
- Construction Plant-hire Association
- Federation of Civil Engineering Contractors
- Federation of Manufacturers of Construction Equipment and Cranes
- Health and Safety Executive
- Institution of Civil Engineers
- Silsoe Research Institute

This British Standard, having been prepared under the direction of the Sector Board for Building and Civil Engineering, was published under the authority of the Standards Board and comes into effect on 15 June 1996

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National foreword

This British Standard has been prepared by Subcommittee B/513/1 and is the English language version of EN 500-1:1995 *Mobile road construction machinery — Safety — Part 1. Common requirements*, published by the European Committee for Standardization (CEN). It is one of a number of British Standards implementing European Standards on machinery safety matters, in the development of which the United Kingdom has played an active part.

This British Standard covers the essential safety requirements in the Machinery Directive (89/392/EEC) and the Amending Directive (91/368/EEC).

Cross-references

Publication referred to	Corresponding British Standard
	BS EN 292 <i>Safety of machinery. Basic concepts, general principles for design</i>
EN 292-1:1991	Part 1:1991 <i>Basic terminology, methodology</i>
EN 292-2:1991/ prA1:1993	Part 2:1991 <i>Technical principles and specifications</i>
EN 294:1992	BS EN 294:1992 <i>Safety of machinery. Safety distances to prevent danger zones being reached by the upper limbs</i>
	BS EN 500 <i>Mobile road construction machinery — Safety</i>
EN 500-4:1995	Part 4:1996 <i>Specific requirements for compaction machines</i>
EN 23411:1988	BS 5538:1983 <i>Specification for minimum operator space envelope for earth-moving machinery</i>
EN 25353:1988	BS 5631:1978 <i>Specification for earth moving machinery and tractors and machinery for agriculture and forestry — Seat index point</i>
ENV 1070:1993	DD ENV 1070:1993 <i>Safety of machinery. Terminology</i>
	BS 6912 <i>Safety of earth-moving machinery</i>
ISO 2860:1992	Part 5:1992 <i>Recommendations for minimum access dimensions</i>
ISO 3457:1986	BS 5945:1987 <i>Specification for guards and shields for earth-moving machinery</i>
ISO 3795:1989	BS AU 169a:1992 <i>Method for determination of burning behaviour of interior materials for road vehicles, and tractors and machinery for agriculture and forestry</i>
ISO 5010:1992	BS 6912 <i>Safety of earth-moving machinery</i>
	Part 10:1993 <i>Specification for steering capability of rubber tyred earth-moving machines</i>
ISO 6405-1:1991	BS 6913 <i>Operation and maintenance of earth-moving machinery</i>
	Part 8:1992 <i>Specification for common symbols for operator controls and other displays</i>
ISO 6682:1986	BS 6124:1987 <i>Specification for zones of comfort and reach for controls of earth-moving machinery</i>
ISO 6750:1984	BS 6228:1985 <i>Guide to format and content of manuals on operation and maintenance for earth-moving machinery</i>
ISO 9249:1989	BS 6911 <i>Testing earth-moving machinery</i>
	Part 4:1990 <i>Method for the evaluation of engine power output</i>
ISO 9533:1989	BS 6912 <i>Safety of earth-moving machinery</i>
	Part 3:1990 <i>Sound test method for machine-mounted forward and reverse warning alarm</i>

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Summary of pages

This document comprises a front cover, an inside front cover, pages i to iv, the EN title page, pages 2 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.

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Descriptors: Roads, construction, site equipment, mobile equipment, safety, specifications, accident prevention, hazards, safety measures, design, human factors engineering, operating stations, signalling, graphic symbol, marking

English version

Mobile road construction machinery — Safety — Part 1: Common requirements

Machines mobiles pour la construction de
routes — Sécurité —
Partie 1: Exigences communes

Bewegliche Straßenbaumaschinen —
Sicherheit —
Teil 1: Gemeinsame Anforderungen

This European Standard was approved by CEN on 1995-06-29. CEN members are bound to comply with the CEN/CENELEC Internal Regulations 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 Central Secretariat or to any CEN member.

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Comité Européen de Normalisation
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Foreword

This European Standard was prepared by the Technical Committee CEN/TC 151, Construction equipment and building material machines — Safety, of which the secretariat is held by DIN.

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EC Directive(s).

The Annex A is normative and contains “List of mobile road construction machinery”, the Annex B is normative and contains “Operator’s seat dimension”, the Annex C is normative and contains “Handle starting equipment” and the Annex D is normative and contains “Safety distances for openings for the lower limbs”.

EN 500 *Mobile road construction machinery — Safety* comprises the following Parts:

- *Part 1: Common requirements;*
- *Part 2: Specific requirements for road-milling machines;*
- *Part 3: Specific requirements for soil stabilization machines;*
- *Part 4: Specific requirements for compaction machines;*
- *Part 5: Specific requirements for joint cutters;*
- *Part 6: Specific requirements for paver-finishers.*

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by March 1996, and conflicting national standards shall be withdrawn at the latest by March 1996.

In accordance with the CEN/CENELEC Internal Regulations, the following countries are bound to implement this European Standard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom.

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