



SLOVENSKI STANDARD
SIST ENV 500-6:2000

01-december-2000

Mobile road construction machinery - Safety - Part 6: Specific requirements for paver-finishers

Mobile road construction machinery - Safety - Part 6: Specific requirements for paver-finishers

Bewegliche Straßenbaumaschinen - Sicherheit - Teil 6: Besondere Anforderungen an Straßenfertiger

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Machines mobiles pour la construction de routes - Sécurité - Partie 6: Exigences spécifiques pour finisseurs

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Ta slovenski standard je istoveten z: ENV 500-6:1995

ICS:

93.080.10 Gradnja cest Road construction

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EUROPEAN PRESTANDARD

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PRÉNORME EUROPÉENNE

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Descriptors: roads, construction, site equipment, mobile equipment, finishing, safety, specifications, accident prevention, hazards, safety measures, audible warning devices

English version

Mobile road construction machinery - Safety - Part 6: Specific requirements for paver-finishers

Machines mobiles pour la construction de routes
- Sécurité - Partie 6: Exigences spécifiques
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CEN

European Committee for Standardization
Comité Européen de Normalisation
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Foreword

This European Prestandard has been prepared by the Technical Committee CEN/TC 151 "Construction equipment and building material machines - Safety" of which the secretariat is held by DIN.

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 ¹⁾.

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

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¹⁾ published as ENV 500-6

0 Introduction

This part of EN 500 contains additional requirements to EN 500-1: 1995 "Common requirements." The clauses of this prestandard have the same numbering as those of EN 500-1: 1995.

1 Scope

This part of EN 500 specifies the safety requirements for paver-finishers as defined in clause 3 and deals with the significant hazards pertinent to paver-finishers, when used as intended and in conditions foreseen by the manufacturer.

2 Normative references

This European Prestandard incorporates by dated or undated references, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Prestandard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

EN 500-1:1995

Mobile road construction machinery - Safety - Part 1: Common requirements.

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3 Definitions

[SIST ENV 500-6:2000
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For the purposes of this prestandard the following definition applies.

Paver finishers: Mobile machines used for the purpose of applying layers of construction material, such as bituminous mix, concrete and gravel on surfaces.

4 List of hazards

See EN 500-1: 1995.

5 Safety requirements

5.1 Lighting

See EN 500-1: 1995.

5.2 Design of the machine in relation to its operation and handling

See EN 500-1: 1995.

5.3 Operator's station

See EN 500-1: 1995.

NOTE: Subclause 5.3.2 of EN 500-1: 1995, first indent, does not apply for paver-finishers.

5.4 Operator's seat

See EN 500-1: 1995.

5.5 Controls

Controls for the regulation of the telescopic screeds shall be designed in such a manner as to ensure that they return to neutral when released (hold-to-move control). The extending or closing of the telescopic screed shall not be induced simultaneously from both the operator's station and the remote control area. In any cases, the controls at the operator's station shall have priority.

5.6 Starting

When operating electric starters it shall be ensured that no travel movements and movements of the conveyor device are possible at the same time.

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5.7 Stopping

Braking systems shall be designed to perform safe braking with regard to situations usually encountered.

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5.8 Danger of falling off, access to operator's station and to service points

Walkways shall be fitted to the screed sections and shall cover the operating width of the screed.

5.9 Precautions against hazards caused by moving parts

The spreader screws (augers) within the width of the basic machine shall be covered on top, e.g. by gratings.

When the spreader screws extend beyond the width of the basic machine they shall at least be protected by guard-rails.

When paver-finishers are fitted for use on rails, all wheels in each direction of travel shall be provided with foot-fenders. The distance between the foot-fenders and upper edge of the rail shall not exceed 20 mm.

5.10 Precautions against hazards caused by non-electric energy sources

See EN 500-1: 1995.

5.11 Fire protection

See EN 500-1: 1995.

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5.12 Hazards due to extreme temperatures

See EN 500-1: 1995.

5.13 Signal devices and warning signs

Telescopic screeds, which during their operation could form crushing or shearing zones, shall be fitted with yellow flashing lights. These lights shall be activated automatically when the screeds are operating.

6 Instruction handbook

See EN 500-1: 1995.

7 Marking

See EN 500-1: 1995.

8 Verification of safety requirements/measures

See EN 500-1: 1995.

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