



SLOVENSKI STANDARD
SIST EN 500-5:2000
01-april-2000

Mobile road construction machinery - Safety - Part 5: Specific requirements for joint cutters

Mobile road construction machinery - Safety - Part 5: Specific requirements for joint cutters

Bewegliche Straßenbaumaschinen - Sicherheit - Teil 5: Besondere Anforderungen an Fugenschneider

iTeh STANDARD PREVIEW
(standards.iteh.ai)

Machines mobiles pour la construction de routes - Sécurité - Partie 5: Exigences spécifiques pour découpeurs de joints

[SIST EN 500-5:2000](https://standards.iteh.ai/catalog/standards/sist/04764fcd-82ad-4ccf-bf88-208ac1272697/sist-en-500-5-2000)

[https://standards.iteh.ai/catalog/standards/sist/04764fcd-82ad-4ccf-bf88-](https://standards.iteh.ai/catalog/standards/sist/04764fcd-82ad-4ccf-bf88-208ac1272697/sist-en-500-5-2000)

[208ac1272697/sist-en-500-5-2000](https://standards.iteh.ai/catalog/standards/sist/04764fcd-82ad-4ccf-bf88-208ac1272697/sist-en-500-5-2000)

Ta slovenski standard je istoveten z: EN 500-5:1995

ICS:

93.080.10 Gradnja cest Road construction

SIST EN 500-5:2000 **en**

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 500-5:2000

<https://standards.iteh.ai/catalog/standards/sist/04764fcd-82ad-4ccf-bf88-208ac1272697/sist-en-500-5-2000>

EUROPEAN STANDARD

EN 500-5

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 1995

ICS 91.220

Descriptors: roads, construction, site equipment, mobile equipment, cutting, joints, safety, specifications, accident prevention, hazards, safety measures, safety devices, signalling

English version

Mobile road construction machinery - Safety - Part 5: Specific requirements for joint cutters

Machines mobiles pour la construction de routes
- Sécurité - Partie 5: Exigences spécifiques
pour découpeurs de joints

Bewegliche Straßenbaumaschinen - Sicherheit -
Teil 5: Besondere Anforderungen an
Fugenschneider

(standards.iteh.ai)

SIST EN 500-5:2000

<https://standards.iteh.ai/catalog/standards/sist/04764fcd-82ad-4ccf-bf88-208ac1272697/sist-en-500-5-2000>

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.

The European Standards exist in three 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 the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, 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

© 1995

All rights of reproduction and communication in any form and by any means reserved in all countries to CEN and its members.

Ref. No. EN 500-5:1995 E

Contents	page
	3
FOREWORD	
0 INTRODUCTION	4
1 SCOPE	4
2 NORMATIVE REFERENCES	4
3 DEFINITIONS	4
4 LIST OF HAZARDS	4
5 SAFETY REQUIREMENTS	4
5.1 Lighting	4
5.2 Design of the machine in relation to its operation and handling	5
5.3 Operator's station	5
5.4 Operator's seat	5
5.5 Controls	5
5.6 Starting	5
5.7 Stopping	5
5.8 Danger of falling off, access to operator's station and to service points	5
5.9 Precautions against hazards caused by moving parts	5
5.10 Hazards caused by dust emission	5
5.11 Fire protection	6
5.12 Hazards due to extreme temperatures	6
5.13 Signal devices and warning signs	6
6 INSTRUCTION HANDBOOK	6
7 MARKING	6
8 VERIFICATION OF SAFETY REQUIREMENTS/MEASURES	6

STANDARD PREVIEW
(standards.iteh.ai)

<https://standards.iteh.ai/catalog/standards/sist/04764fcd-82ad-4ccf-bf88-208ac1272697/sist-en-500-5-2000>

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).

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 Mars 1996, and conflicting national standards shall be withdrawn at the latest by Mars 1996.

According to 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.

(standards.iteh.ai)

SIST EN 500-5:2000

<https://standards.iteh.ai/catalog/standards/sist/04764fcd-82ad-4ccf-bf88-208ac1272697/sist-en-500-5-2000>

0 Introduction

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

1 Scope

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

2 Normative references

This draft European Standard 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 standard 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.

ITeH STANDARD PREVIEW
(standards.iteh.ai)

3 Definitions

SIST EN 500-5:2000

For the purposes of this standard the following definition applies.

<https://standards.iteh.ai/catalog/standards/sist/04764fcd-82ad-4ccf-bf88-206ac1272697/sist-en-500-5-2000>

Joint cutters: Mobile machines intended for the production of joints in concrete, asphalt and similar road surfaces. The cutting tool is a rotating high speed disc. The forward motion of the joint cutters can be:

- manual;
- manual with mechanical assistance;
- power driven.

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.

5.4 Operator's seat

See EN 500-1: 1995.

5.5 Controls

See EN 500-1: 1995.

5.6 Starting

Self propelled joint cutters shall be equipped with a device which makes it possible to disengage the drive system from the cutting tool.

iTeh STANDARD PREVIEW (standards.iteh.ai)

5.7 Stopping

Joint cutters shall be fitted with a stopping device, e.g. a parking brake to avoid unintentional movement of the machine.

[SIST EN 500-5:2000](https://standards.iteh.ai/catalog/standards/sist/04764fcd-82ad-4ccf-bf88-208ac1272697/sist-en-500-5-2000)

[https://standards.iteh.ai/catalog/standards/sist/04764fcd-82ad-4ccf-bf88-](https://standards.iteh.ai/catalog/standards/sist/04764fcd-82ad-4ccf-bf88-208ac1272697/sist-en-500-5-2000)

[208ac1272697/sist-en-500-5-2000](https://standards.iteh.ai/catalog/standards/sist/04764fcd-82ad-4ccf-bf88-208ac1272697/sist-en-500-5-2000)

NOTE 1: In the case of joint cutters with a service weight less than 100 kg, such a parking brake is not required.

NOTE 2: Hold-to-run control for the travel function is not required for joint cutters.

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

See EN 500-1: 1995.

5.9 Precautions against hazards caused by moving parts

Guards for cutting tools shall be constructed with appropriate materials and shall cover the upper half of the tool in all directions. The guards shall also be strong enough to stop parts of the tools which could possibly be ejected.

Adequate guards are, for example, made of steel, which shall be at least 3 mm thick in the cutting plane of the tool. The guards shall also cover tightening flanges for the tools (high speed discs).

5.10 Hazards caused by dust emission

Joint cutters shall be equipped with a water sprinkler arrangement for wet cutting. The flow of water supplied to the cutting tool shall ensure dust-free operation.

5.11 Fire protection

See EN 500-1: 1995.

5.12 Hazards due to extreme temperatures

See EN 500-1: 1995.

5.13 Signal devices and warning signs

The direction of rotation of the cutting tool shall be clearly and permanently marked with an arrow on the guards.

6 Instruction handbook

See EN 500-1: 1995.

7 Marking

See EN 500-1: 1995.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

8 Verification of safety requirements/measures

See EN 500-1: 1995.

<https://standards.iteh.ai/catalog/standards/sist/04764fcd-82ad-4ccf-bf88-208ac1272697/sist-en-500-5-2000>