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**Mobile road construction machinery –
Safety –
Part 4: Specific requirements for compaction machines
English translation of DIN EN 500-4:2011-06**

Bewegliche Straßenbaumaschinen –
Sicherheit –
Teil 4: Besondere Anforderungen an Verdichtungsmaschinen
Englische Übersetzung von DIN EN 500-4:2011-06

Machines mobiles pour la construction de routes –
Sécurité –
Partie 4: Prescriptions spécifiques pour compacteurs
Traduction anglaise de DIN EN 500-4:2011-06

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In case of doubt, the German-language original shall be considered authoritative.



A comma is used as the decimal marker.

Start of application

The start of application of this standard is 1 June 2011.

National foreword

This standard includes safety requirements.

This standard has been prepared by Technical Committee CEN/TC 151 “Construction equipment and building material machines — Safety” (Secretariat: DIN, Germany).

The responsible German body involved in its preparation was the *Normenausschuss Maschinenbau* (Mechanical Engineering Standards Committee), Working Committee NA 060-13-05 AA *Straßenbau-maschinen* of Section *Bau- und Baustoffmaschinen*.

Representatives of manufacturers and users of road construction machinery and of the employers' liability insurance associations contributed to this standard.

This standard contains specifications meeting the essential requirements set out in Annex I of the “Machinery Directive”, Directive 2006/42/EC, and which apply to machines that are either first placed on the market or commissioned within the EEA. This standard serves to facilitate proof of compliance with the essential requirements of that Directive.

Once this standard is cited in the Official Journal of the European Union, it is deemed a “harmonized” standard and thus, a manufacturer applying this standard may assume compliance with the requirements of the Machinery Directive (“presumption of conformity”).

The European Standards referred to in this document have been published as the corresponding DIN EN or DIN EN ISO Standards with the same number.

Where the International Standards referred to are not also DIN ISO Standards with the same number, there are no national standards available.

Amendments

This standard differs from DIN EN 500-4:2010-03 as follows:

- a) machines for seated ride-on operated rollers with a drum width less than nominal 0,8 m have been excluded;
- b) warnings and instructions regarding use of machines with a drum width less than nominal 1 m have been added;
- c) vibrating rollers, irrespective whether they are intended for ride-on operation, pedestrian- or remote-controlled are measured on a cushion/elastic underlay;
- d) non-vibrating rollers, irrespective whether they are intended for ride-on operation, pedestrian- or remote-controlled are measured on a rigid reflecting plane without load and engine operating at nominal power-output;
- e) vibratory rammers are measured on the gravel-track;
- f) vibratory plates are measured on the gravel-track;
- g) for pragmatic reasons the deletion of explosion rammers and non-vibrating towed rollers/equipment is suggested ancillary, because today explosion-rammers cannot be found in the market any longer and non-vibrating towed rollers/equipment represent a passive attachment without any power-source and a function based on static-load only.

Previous editions

DIN EN 500-4: 1996-03, 2007-03, 2010-03

English Version

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Verdichtungsmaschinen

This European Standard was approved by CEN on 9 January 2011.

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