DIN EN ISO 3450



ICS 53.100

Supersedes DIN EN ISO 3450:2009-06

Earth-moving machinery -

Wheeled or high-speed rubber-tracked machines –

Performance requirements and test procedures for brake systems (ISO 3450:2011)

English translation of DIN EN ISO 3450:2012-04

Erdbaumaschinen -

Maschinen auf Rädern oder schnelllaufende gummigleiskettenbereifte Maschinen – Anforderungen und Prüfungen für Bremssysteme (ISO 3450:2011) Englische Übersetzung von DIN EN ISO 3450:2012-04

Engins de terrassement -

Engins sur pneumatiques ou sur chenilles caoutchouc à grande vitesse – Exigences de performance et modes opératoires d'essai des systèmes de freinage (ISO 3450:2011)

Traduction anglaise de DIN EN ISO 3450:2012-04

Document comprises 30 pages

lin.de

Translation by DIN-Sprachendienst.

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A comma is used as the decimal marker.

National foreword

This standard includes safety requirements.

This standard has been prepared by Technical Committee ISO/TC 127 "Earth-moving machinery" in collaboration with 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 060-13-01 AA *Erdbau-/Straßenbaumaschinen* of Section *Bau- und Baustoffmaschinen*.

Representatives of manufacturers and users of earth-moving 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 International Standards adopted as European Standards and referred to in Clause 2 and in the bibliography have been published as DIN EN ISO Standards with the same number.

For the International Standards and documents referred to in this standard there are no national standards available unless they have been published as DIN ISO Standards with the same number

Amendments

This standard differs from DIN EN ISO 3450:2009-06 as follows:

- a) Clause 2 "Normative references" has been updated;
- b) Clause 3 "Terms and definitions" has been revised and new definitions have been added;
- c) an informative Annex A "Braking for purpose-built underground mining machines" has been included;
- d) Clauses 4, 5 and 6 have been completely revised in respect of the requirements for and the testing of brake systems for earth-moving machinery;
- e) an informative Annex B "Brake slope capability calculation method" has been included;
- f) an informative Annex ZA "Relationship between this European Standard and the Essential Requirements of EU Directive 2006/42/EC" has been included.

Previous editions

DIN EN ISO 3450: 1996-07, 2009-06

EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM

EN ISO 3450

November 2011

ICS 53.100

Supersedes EN ISO 3450:2008

English Version

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Engins de terrassement - Engins sur pneumatiques ou sur chenilles caoutchouc à grande vitesse - Exigences de performance et modes opératoires d'essai des systèmes de freinage (ISO 3450:2011)

Erdbaumaschinen - Maschinen auf Rädern oder schnelllaufende gummigleiskettenbereifte Maschinen -Anforderungen und Prüfungen für Bremssysteme (ISO 3450:2011)

This European Standard was approved by CEN on 15 October 2011.

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Ref. No. EN ISO 3450:2011: E

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