

Agricultural machinery - Self-propelled agricultural and forestry vehicles - Requirements for braking

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 17344:2020 sisaldab Euroopa standardi EN 17344:2020 ingliskeelset teksti.	This Estonian standard EVS-EN 17344:2020 consists of the English text of the European standard EN 17344:2020.
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English Version

Agricultural machinery - Self-propelled agricultural and forestry vehicles - Requirements for braking

Matériel agricole - Véhicules agricoles et forestiers
automoteurs - Exigences en matière de freinage

Landmaschinen - Selbstfahrende Arbeitsmaschinen -
Anforderungen an Bremsanlagen

This European Standard was approved by CEN on 27 October 2019.

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Contents

Page

European foreword.....	3
Introduction	4
1 Scope	5
2 Normative references	5
3 Terms and definitions	5
4 Construction requirements	10
5 Requirements regarding brake testing and performance	19
Annex A (normative) Category of energy sources	26
A.1 Pneumatic braking system	26
A.2 Hydraulic braking system	27
Annex B (normative) Capacity of energy storage devices	28
B.1 Pneumatic energy storage devices	28
B.2 Capacity of hydraulic storage devices	28
Annex C (normative) Test report.....	30
Bibliography	38

European foreword

This document (EN 17344:2020) has been prepared by Technical Committee CEN/TC 144 “Tractors and machinery for agriculture and forestry”, the secretariat of which is held by AFNOR.

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of an identical text or by endorsement, at the latest by September 2020, and conflicting national standards shall be withdrawn at the latest by month year of September 2020.

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Introduction

This document applies to braking systems for on-road use, installed on self-propelled agricultural and forestry machinery. These vehicles are not primarily designed to pull heavy trailers or implements. For this reason, this standard does not contain provisions for assisted trailer braking control. Information about such systems can be found in EU Regulation 2015/68, last amended by 2018/828, or in UNECE Regulation No. 13, or in any national legislation dealing with braking systems on vehicles.

This document can be used during an EU or national type approval process for self-propelled agricultural or forestry machines.

The sources of this document are, among others:

- EU Regulation 2015/68, as last amended by 2018/828;
- ISO 10998:2008 Agricultural tractors – Requirements for steering.

1 Scope

This document applies to wheeled and/or track-laying self-propelled agricultural and forestry vehicles when used on public roads. It specifies the definitions, construction and performance requirements and the means for verification of braking systems on vehicles with a maximum design speed not exceeding 60 km/h.

Following items are excluded from the scope of this document:

- coupling force control;
- endurance braking systems;
- Anti-Lock Braking Systems and EBS;
- vacuum braking systems;
- safety related parts of complex electronic control systems;
- trailer braking control systems.

NOTE For assisted trailer braking the EU Regulation 2015/68 can be used but before including these requirements into this document, an additional review of 2015/68 is needed.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 9128:2006, *Road vehicles — Graphical symbols to designate brake fluid types*

ISO 3767-1:2016, *Tractors, machinery for agriculture and forestry, powered lawn and garden equipment — Symbols for operator controls and other displays — Part 1: Common symbols*

ISO 3583:1984, *Road vehicles — Pressure test connection for compressed-air pneumatic braking equipment*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <https://www.iso.org/obp/ui>

3.1

braking system

combination of parts whose function is to reduce progressively the speed of a moving vehicle or to bring it to a halt, or to keep it stationary if it has already halted

Note 1 to entry: the system consists of the control device, the transmission and the brake