

STN	Motorové vozíky Viditeľnosť Skúšobná metóda na overovanie Časť 1: Všeobecné požiadavky	STN EN 16842-1 26 8835
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Powered industrial trucks - Visibility - Test methods and verification - Part 1: General requirements

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

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EUROPEAN STANDARD

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English Version

Powered industrial trucks - Visibility - Test methods and verification - Part 1: General requirements

Chariots de manutention automoteurs - Visibilité -
Méthodes d'essai et vérification - Partie 1 :
Prescriptions générales

Kraftbetriebene Flurförderzeuge - Sichtverhältnisse -
Testmethoden zur Verifikation - Teil 1: Allgemeine
Anforderungen

This European Standard was approved by CEN on 9 July 2017.

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 CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists 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 CEN-CENELEC Management Centre has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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EN 16842-1:2018 (E)

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European foreword

This document (EN 16842-1:2018) has been prepared by Technical Committee CEN/TC 150 "Industrial trucks - Safety", the secretariat of which is held by BSI.

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of an identical text or by endorsement, at the latest by November 2018 and conflicting national standards shall be withdrawn at the latest by November 2018.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

EN 16842 consists of the following parts under the general title "*Powered industrial trucks – Visibility – Test methods and verification*":

- *Part 1: General requirements;*
- *Part 2: Sit-on counterbalance trucks and rough terrain masted trucks up to and including 10 000 kg capacity;*
- *Part 3: Reach trucks up to and including 10 000 kg capacity (in preparation);*
- *Part 4: Variable reach industrial trucks up to and including 10 000 kg capacity (in preparation);*
- *Part 5: Variable reach industrial trucks greater than 10 000 kg capacity (in preparation);*
- *Part 6: Sit-on counterbalanced trucks and rough terrain masted trucks greater than 10 000 kg capacity (in preparation);*
- *Part 7: Variable reach and masted container handler (in preparation);*
- *Part 8: Stand on counterbalanced trucks up to and including 10 000 kg capacity (in preparation).*
- *Part 9: Order-picking, lateral- and front-stacking trucks with elevating operator position*

It is intended to develop additional parts related to the following machinery:

- *Pallet stacking trucks (rider controlled);*
- *Burden carrier;*
- *Tractor (IND Truck);*
- *Single side loader;*
- *Multi-directional forklift truck;*
- *Articulated counterbalanced lift truck;*
- *Low lift straddle carriers (as defined in ISO 5053-1:2015, 3.18);*
- *High lift straddle carriers (as defined in ISO 5053-1:2015, 3.19).*

For specific machines covered by other parts in this standard, this European Standard is intended for use in combination with relevant other parts in the series.

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According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Introduction

This document is a type-C standard as stated in EN ISO 12100.

This document is of relevance, in particular, for the following stakeholder groups representing the market players with regard to machinery safety:

- machine manufacturers (small, medium and large enterprises);
- health and safety bodies (regulators, accident prevention organizations, market surveillance, etc.)

Others can be affected by the level of machinery safety achieved with the means of the document by the above-mentioned stakeholder groups:

- machine users/employers (small, medium and large enterprises);
- machine users/employees (e.g. trade unions, organizations for people with special needs);
- service providers, e.g. for maintenance (small, medium and large enterprises);
- consumers (in case of machinery intended for use by consumers).

The above-mentioned stakeholder groups have been given the possibility to participate at the drafting process of this document.

The machinery concerned and the extent to which hazards, hazardous situations or hazardous events are covered are indicated in the scope of this document.

When requirements of this type-C standard are different from those which are stated in type-A or type-B standards, the requirements of this type-C standard take precedence over the requirements of the other standards for machines that have been designed and built according to the requirements of this type-C standard.

EN 16842-1:2018 (E)**1 Scope**

This part of the EN 16842 series gives the common test requirements for powered industrial truck visibility testing and is intended to be used in conjunction with EN 16842 parts 2 to 17.

The EN 16842 series specify requirements and test procedures of all around visibility of self-propelled industrial trucks (herein after referred to as trucks) in accordance with ISO 5053-1 with a sit-on or stand-on operator, without load, and equipped with fork arms or load platform.

The truck specific requirements in EN 16842 parts 2 to 17 supplement or modify the corresponding clauses of this part EN 16842-1 and provide the relevant requirements for the specific truck.

The visibility test requirements of the applicable part of EN 16842 for each truck type are used to fulfil the visibility requirements of the EN 16307 series.

This European Standard does not apply to:

- industrial, rough terrain variable reach or rough terrain masted lorry mounted trucks;
- trucks with elevating operator position, when the operating position is elevated above 500 mm;
- rough terrain variable reach trucks – within the scope of EN 15830;
- centre controlled order picking trucks (in accordance with 3.16 of ISO 5053-1:2015);
- pallet truck end controlled (in accordance with 3.15 of ISO 5053-1:2015).

NOTE 1 The following trucks in normal operation have excellent 360° visibility and therefore will not be part of this series of standards:

- ride on pallet truck;
- pedestrian controlled pallet truck.

NOTE 2 For trucks equipped with attachments (e.g. clamp), see Clause 9 "Information for use".

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN ISO 3691-1:2015, *Industrial trucks - Safety requirements and verification - Part 1: Self-propelled industrial trucks, other than driverless trucks, variable-reach trucks and burden-carrier trucks (ISO 3691-1:2011, including Cor 1:2013)*

EN ISO 3691-2, *Industrial trucks - Safety requirements and verification - Part 2: Self-propelled variable-reach trucks (ISO 3691-2)*

EN ISO 3691-3, *Industrial trucks - Safety requirements and verification - Part 3: Additional requirements for trucks with elevating operator position and trucks specifically designed to travel with elevated loads (ISO 3691-3)*

EN ISO 3691-6, *Industrial trucks - Safety requirements and verification - Part 6: Burden and personnel carriers (ISO 3691-6)*

EN ISO 5353, *Earth-moving machinery, and tractors and machinery for agriculture and forestry - Seat index point (ISO 5353)*

ISO 5053-1, *Industrial trucks - Terminology and classification - Part 1: Types of industrial trucks*

ISO 16001, *Earth-moving machinery - Object detection systems and visibility aids - Performance requirements and tests*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN