

Geregistreeerde Belgische norm

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Normklasse: S 21

Hoogwerkers voor brandweergebruik - Autoladders met sequentiële bewegingen - Veiligheids- en prestatie-eisen en beproevingsmethoden

Moyens élévateurs aériens pour la lutte contre l'incendie - Echelles pivotantes à mouvements séquentiels - Prescriptions de sécurité et de performances et méthodes d'essais

High rise aerial appliances for fire service use - Turntable ladders with sequential movements - Safety and performance requirements and test methods

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Deze Europese norm bestaat in drie officiële versies (Duits, Engels, Frans).



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La présente norme européenne EN 14044+A1:2009 a le statut d'une norme belge.

La présente norme européenne existe en trois versions officielles (allemand, anglais, français).

English Version

High rise aerial appliances for fire service use - Turntable ladders with sequential movements - Safety and performance requirements and test methods

Moyens élévateurs aériens pour la lutte contre l'incendie -
Echelles pivotantes à mouvements séquentiels -
Prescriptions de sécurité et de performances et méthodes
d'essais

Hubrettungsfahrzeuge für die Feuerwehr - Drehleitern mit
aufeinander folgenden (sequenziellen) Bewegungen
(Halbautomatik-Drehleitern) - Sicherheits- und
Leistungsanforderungen sowie Prüfverfahren

This European Standard was approved by CEN on 29 August 2005 and includes Corrigendum 1 issued by CEN on 21 March 2007 and Amendment 1 approved by CEN on 11 January 2009.

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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 Management Centre has the same status as the official versions.

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Foreword

This document (EN 14044:2005+A1:2009) has been prepared by Technical Committee CEN/TC 192 “Fire service equipment”, 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of an identical text or by endorsement, at the latest by September 2009, and conflicting national standards shall be withdrawn at the latest by December 2009.

This document includes Amendment 1, approved by CEN on 2009-01-11 and Corrigendum 1, issued by CEN on 2007-03-21.

This document supersedes EN 14044:2005.

The start and finish of text introduced or altered by amendment is indicated in the text by tags $\boxed{A1}$ $\boxed{A1}$.

The modifications of the related CEN Corrigendum have been implemented at the appropriate places in the text and are indicated by the tags \boxed{AC} \boxed{AC} .

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 EU Directive(s).

$\boxed{A1}$ For relationship with EU Directive(s), see informative Annexes ZA and ZB, which are integral parts of this document. $\boxed{A1}$

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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

Introduction

This European Standard is a type C standard as stated in EN ISO 12100.

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

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

1 Scope

1.1 This European Standard specifies the safety and performance requirements and test methods applicable to turntable ladders with sequential movements of classes 18, 24 and 30, as defined in 3.13, under the control of firefighters and intended for fire fighting and rescuing people.

NOTE This European Standard is intended to be used in conjunction with EN 1846-1, EN 1846-2 and EN 1846-3.

Turntable ladder vehicles comprise a chassis, bodywork and a powered extending structure unit in the form of a ladder with or without a cage.

Turntable ladder vehicles covered by this European Standard have a self-propelled chassis, the motor of which supplies the power required for the operation of the ladder. They do not permit operational movements to be made simultaneously.

1.2 This European Standard deals with the technical requirements to minimise the hazards listed in Clause 4 which can arise during the commissioning, the operational use and the routine checking and maintenance of turntable ladders when carried out in accordance with the specifications given by the manufacturer or the manufacturer authorised representative.

It also deals with performance requirements.

1.3 This European Standard deals with the use of turntable ladder vehicles within a temperature range from -15 °C to +35 °C and with a wind velocity on the ladder set $\leq 12,5$ m/s. Additional measures can be necessary for use outside this range (to be negotiated between the manufacturer and the user).

NOTE Special designs for use under special climatic conditions should be by arrangement between the manufacturer and the purchaser.

1.4 This European Standard is not dealing with the hazards of the standard automotive chassis or due to use as a road vehicle.

1.5 This European Standard is not applicable to turntable ladders vehicles with sequential movements which are manufactured before the date of publication of this European Standard by CEN.

2 Normative references

The following referenced documents are indispensable for the application of this European Standard. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 418:1992, *Safety of machinery — Emergency stop equipment, functional aspects — Principles for design*

EN 457, *Safety of machinery — Auditory danger signals — General requirements, design and testing (ISO 7731:1986, modified)*

EN 954-1:1996 ^{A1}, *Safety of machinery — Safety-related parts of control systems — Part 1: General principles for design*

EN 982, *Safety of machinery — Safety requirements for fluid power systems and their components — Hydraulics*

EN 1050:1996, *Safety of machinery — Principles for risk assessment*

EN 1846-1:1998, *Firefighting and rescue service vehicles — Part 1: Nomenclature and designation*

EN 1846-2:2001, *Firefighting and rescue service vehicles — Part 2: Common requirements — Safety and performance*