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Normklasse: S 21

Hoogwerkers voor brandweergebruik - Autoladders met sequentiële bewegingen - Veiligheids- en prestatie-eisen en beproevingsmethoden (+AC:2007)

Moyens élévateurs aériens pour la lutte contre l'incendie - Echelles pivotantes à mouvements séquentiels - Prescriptions de sécurité et de performances et méthodes d'essais (+AC:2007)

High rise aerial appliances for fire service use - Turntable ladders with sequential movements - Safety and performance requirements and test methods (+AC:2007)

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Deze Europese norm EN 14044:2005 heeft de status van een Belgische norm.

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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.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



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

Management Centre: rue de Stassart, 36 B-1050 Brussels

Contents

page

Foreword	3
1 Scope	5
2 Normative references	5
3 Terms and definitions, symbols and abbreviated terms.....	6
4 List of significant hazards	12
5 Requirements	21
5.1 Safety requirements and/or measures	21
5.1.1 General	21
5.1.2 Requirements in respect of stability.....	22
5.1.3 Fatigue stress analysis.....	32
5.1.4 Verifications relating to the strength of the turntable ladder	33
5.1.5 Requirements regarding fitness	34
5.1.6 Requirements relating to function.....	35
5.1.7 Requirements relating to noise.....	62
5.2 Performance requirements.....	63
5.2.1 Operational requirements.....	63
5.2.2 Requirements demanded by national regulations.....	64
5.2.3 Overall maximum dimensions	64
5.2.4 Radio disturbances.....	64
6 Designation	65
7 Information for use	66
7.1 General	66
7.2 Instruction handbook	66
7.2.1 General	66
7.2.2 Operating instruction.....	66
7.2.3 Transport, handling and storage information.....	67
7.2.4 Information on commissioning.....	67
7.2.5 Machine details	67
7.2.6 Maximum allowable loads in the cage and/or on the ladder set	68
7.2.7 Maintenance information for use by trained personnel	68
7.2.8 Special working methods or conditions	68
7.3 Marking.....	69
7.4 Periodical examinations and tests.....	70
Annex A (informative) Example of table reporting the stability tests	71
Annex B (normative) Operating time.....	72
Annex C (informative) List of national regulations applicable to turntable ladders.....	73
Annex D (informative) Verification and periodic inspections.....	74
Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 98/37/EC	77
Bibliography.....	78

Foreword

This European Standard (EN 14044:2005) 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 April 2006, and conflicting national standards shall be withdrawn at the latest by April 2006.

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).

For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of this European Standard.

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

EN 14044:2005 (E)

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, *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*

EN 1846-3, *Firefighting and rescue service vehicles — Part 3: Permanently installed equipment — Safety and performance*