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Irish Standard
I.S. EN 14492-2:2006+A1:2009

Cranes - Power driven winches and hoists - Part 2: Power driven hoists

I.S. EN 14492-2:2006+A1:2009

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EUROPEAN STANDARD

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EUROPÄISCHE NORM

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Cranes - Power driven winches and hoists - Part 2: Power driven hoists

Appareils de levage à charge suspendue -
Treuils et palans motorisés - Partie 2:
Palans motorisés

Krane - Kraftgetriebene Winden und
Hubwerke - Teil 2: Kraftgetriebene
Hubwerke

This corrigendum becomes effective on 24 March 2010 for incorporation in the official English and French versions of the EN.

Ce corrigendum prendra effet le 24 mars 2010 pour incorporation dans les versions officielles anglaise et française de la EN.

Die Berichtigung tritt am 24.März 2010 zur Einarbeitung in die offizielle Englische und Französische Fassung der EN in Kraft.





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COMITÉ EUROPÉEN DE NORMALISATION
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1 Modification to 5.13.9.1, General

Delete ", for electronic systems at least category 2 of  EN ISO 13849-1 .

to read as follows:

"Electrical motion limiters shall be realized electromechanically, with a positive-opening function (definition as in 3.46 of EN 60204-32:1998), or they shall possess a comparable safety."

English Version

Cranes - Power driven winches and hoists - Part 2: Power driven hoists

Appareils de levage à charge suspendue - Treuils et palans motorisés - Partie 2: Palans motorisés

Krane - Kraftgetriebene Winden und Hubwerke - Teil 2: Kraftgetriebene Hubwerke

This European Standard was approved by CEN on 11 October 2006 and includes Amendment 1 approved by CEN on 6 August 2009.

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Foreword

This document (EN 14492-2:2006+A1:2009) has been prepared by Technical Committee CEN/TC 147 "Cranes - 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of an identical text or by endorsement, at the latest by March 2010, and conflicting national standards shall be withdrawn at the latest by March 2010.

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

This document includes Amendment 1, approved by CEN on 2009-08-06.

This document supersedes EN 14492-2:2006.

The start and finish of text introduced or altered by amendment is indicated in the text by tags $\boxed{A_1}$ $\boxed{A_1}$.

This document 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).

$\boxed{A_1}$ For relationship with EU Directive(s), see informative Annexes ZA, ZB and ZC, which are integral parts of this document. $\boxed{A_1}$

This is the second part of the standard "Cranes — Power driven winches and hoists". The parts of the standard are:

Part 1: Power driven winches

Part 2: Power driven hoists

For the relationship with other European Standards for cranes, see Annex L.

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

A1 This European standard is a harmonized standard to provide one means for power driven winches to conform to the essential health and safety requirements of the Machinery Directive 98/37/EC and the Machinery Directive 2006/42/EC. **A1**

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

This European Standard is a type C standard as stated in EN ISO 12100-1.

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

1 Scope

This European Standard is applicable to the design, information for use, maintenance and testing of power driven hoists with or without trolleys for which the prime mover is an electric, hydraulic or pneumatic motor. They are designed for the lifting and lowering of loads which are suspended on hooks or other load lifting attachments. Hoists can be used either in cranes, in other machines, e.g. rail dependent storage and retrieval equipment, monorail conveyors or by itself.

This European Standard is applicable to the following types of hoist:

- a) rope hoist;
- b) chain hoist;
- c) belt hoist, except belt hoist with steel belts as hoisting media;
- d) open type hoist;
- e) NGL building hoists including supporting structures.

This European Standard is not applicable of the following hazards:

- i) this European Standard does not cover hazards related to builders hoists for the transport of goods as defined in 2000/14/EC;
- ii) this European Standard does not cover hazards related to the lifting of persons.

NOTE The use of hoists for the lifting of persons may be subject to specific national regulations.

This European Standard does not specify additional requirements for hazards related to the use of hoists in explosive atmospheres in underground works.

The significant hazards covered by this European Standard are identified in Clause 4.

This document is not applicable to power driven hoists 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 document. 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 818-1:1996, *Short link chain for lifting purposes — Safety — Part 1: General conditions of acceptance*

EN 818-7:2002, *Short link chain for lifting purposes — Safety — Part 7: Fine tolerance hoist chain, Grade T (Types T, DAT and DT)*

A1 *deleted text* **A1**

EN 982:1996, *Safety of machinery — Safety requirements for fluid power systems and their components — Hydraulics*

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