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Irish Standard
I.S. EN 13155:2003+A2:2009

Cranes - Safety - Non-fixed load lifting attachments

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I.S. EN 13155:2003+A2:2009

Incorporating amendments/corrigenda issued since publication:

EN 13155:2003/A2:2009

This document replaces:	*This document is based on:*	*Published:*
I.S. EN 13155:2003	EN 13155:2003+A2:2009 EN 13155:2003	25 March, 2009 3 October, 2003

This document was published
under the authority of the NSAI
and comes into effect on:
26 May, 2009

ICS number:
53.020.30

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 13155:2003+A2

March 2009

ICS 53.020.30

Supersedes EN 13155:2003

English Version

Cranes - Safety - Non-fixed load lifting attachments

Appareils de levage à charge suspendue - Sécurité – Equipements amovibles de prise de charge

Krane - Sicherheit - Lose Lastaufnahmemittel

This European Standard was approved by CEN on 17 November 2001 and includes Amendment 1 approved by CEN on 24 June 2005 and Amendment 2 approved by CEN on 17 February 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 13155:2003+A2:2009) has been prepared by Technical Committee CEN/TC 147 “Cranes - Safety”, the secretariat of which is held by BSI.

This document 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of an identical text or by endorsement, at the latest by September 2009, and conflicting national standards shall be withdrawn at the latest by December 2009.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 2005-06-24 and Amendment 2, approved by CEN on 2009-02-17.

This document supersedes EN 13155:2003.

The start and finish of text introduced or altered by amendment is indicated in the text by tags ▌A1⟩ ⟨A1▌ and ▌A2⟩ ⟨A2▌.

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 EC Directive(s).

▌A2⟩ For relationship with EC Directive(s), see informative Annexes ZA and ZB, which are integral parts of this document. ⟨A2▌

For the relationship with other European standards for cranes, see informative Annex H.

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.

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Introduction

This European Standard has been prepared to be a harmonized standard to provide one means for non-fixed load lifting attachments used on cranes to conform with the essential health and safety requirements of the Machinery Directive, as amended.

This European Standard is a type C standard as stated in EN 1070.

The machinery concerned and the extent to which hazards are covered are indicated in the scope of this 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 non-fixed load lifting attachments which have been designed and built according to the provisions of this type C standard.

1 Scope

This European Standard specifies safety requirements for the following non-fixed load lifting attachments for cranes, hoists and manually controlled load manipulating devices:

— plate clamps;

— vacuum lifters;

  — self priming,

  — non-self priming (pump, venturi, turbine);

— electric lifting magnets (battery fed and mains-fed);

— permanent lifting magnets;

— electro-permanent lifting magnets;

— lifting beams;

— C-hooks;

— lifting forks;

— clamps;

defined in clause 3.

This standard does not specify the additional requirements for:

— non fixed load lifting attachments in direct contact with foodstuffs or pharmaceuticals requiring a high level of cleanliness for hygiene reasons;

— hazards resulting from handling specific hazardous materials (e.g. explosives, hot molten masses, radiating materials);

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