ILNAS

Institut luxembourgeois de la normalisation
de l'accréditation, de la sécurité et qualité
des produits et services

ILNAS-EN 13852-1:2004

Cranes - Offshore cranes - Part 1: General - purpose offshore cranes

Appareils de levage à charge suspendue - Grues offshore - Partie 1 : Grues offshore pour usage général

Krane - Offshore-Krane - Teil 1: Offshore-Krane für allgemeine Verwendung

05/2004

National Foreword

This European Standard EN 13852-1:2004 was adopted as Luxembourgish Standard ILNAS-EN 13852-1:2004.

Every interested party, which is member of an organization based in Luxembourg, can participate for FREE in the development of Luxembourgish (ILNAS), European (CEN, CENELEC) and International (ISO, IEC) standards:

- Participate in the design of standards
- Foresee future developments
- Participate in technical committee meetings

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EUROPEAN STANDARD EN 13852-1

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English version

Cranes - Offshore cranes - Part 1: General - purpose offshore cranes

Appareils de levage - Appareils de levage offshore - Partie 1: Appareils de levage offshore pour usage général

Krane - Offshore Krane - Teil 1: Offshore-Krane für allgemeine Verwendung

This European Standard was approved by CEN on 24 March 2004.

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
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Foreword

This document (EN 13852-1:2004) 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 November 2004, and conflicting national standards shall be withdrawn at the latest by November 2004.

Annexes A, F, L and M are informative. Annexes B, C, D, E, G, H, I, J, K, N and O are normative.

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 98/37.

For relationship with EU Directive 98/37, see informative annex ZA, which is an integral part of this document.

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.

Introduction

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

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

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

This document is a harmonized standard to provide one means for general-purpose offshore cranes to conform with the relevant Essential Health and Safety Requirements of the Machinery Directive, as amended.

The standard is one in the series of standards of the CEN/CENELEC work program to produce standards for machine safety. It has been prepared to eliminate or reduce hazards when used in the development design and use of offshore cranes.

This standard is one part of EN 13852. The other part is:

Part 2: Floating Cranes i.e. a crane mounted on a vessel or barge designed for its support and transport, primarily intended for construction/deconstruction operations in a marine environment (This is not a harmonized standard).

1 Scope

This European Standard specifies the requirements for general-purpose offshore cranes including their supporting pedestals or structures.

This standard applies to cranes manufactured after the date of issue of this standard.

This European Standard does not cover:

a) Fabrication, assembly, dismantling or changing the configuration of the crane;

b) Lifting accessories, i.e. any item between the hook and the load;

c) Sub-sea lifting operations;

d) Design temperature below –20 °C;

e) Operations at an ambient temperature above 40 °C;

f) Lifting operations involving more than one crane;

g) Transportation of the crane;

h) Loads due to earthquake;

i) Cranes on seagoing vessels, excluded from the scope of the Machinery Directive.

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

This standard includes requirements for the lifting of personnel.

Where National Authorities permit the use of a general-purpose offshore crane for the lifting of personnel, the crane would at least need to fulfil the requirements of this standard.

2 Normative references

This European Standard incorporates, by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

EN 418	*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 614-1	*Safety of machinery – Ergonomic design principles – Part 1: Terminology and general principles*