

ILNAS

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

ILNAS-EN 13852-2:2004

Cranes - Offshore cranes - Part 2: Floating cranes

Krane - Offshore-Krane - Teil 2:
Schwimmende Krane

Appareils de levage à charge suspendue -
Grues offshore - Partie 2 : Grues flottantes

10/2004



National Foreword

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Cranes - Offshore cranes - Part 2: Floating cranes

Appareils de levage à charge suspendue - Grues offshore -
Partie 2 : Grues flottantes

Krane - Offshore-Krane - Teil 2: Schwimmende Krane

This European Standard was approved by CEN on 23 August 2004.

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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 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

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Foreword

This document (EN 13852-2:2004) 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of an identical text or by endorsement, at the latest by April 2005, and conflicting national standards shall be withdrawn at the latest by April 2005.

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

Part 1: General - purpose offshore cranes

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 NOT harmonized.

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 a type B standard, the provisions of this type 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.

The extent to which hazards are covered are indicated in the scope of this document. In addition, machinery should comply as appropriate with EN ISO 12100-1 for hazards, which are not covered by this document.

1 Scope

This document specifies the safety requirements for floating cranes including their supporting pedestals or structures.

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

This document 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) design temperature below -20 °C ;
- d) operations at an ambient temperature above 50 °C ;
- e) cranes covered by the Machinery Directive.

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

This document includes requirements for lifting of persons. The use of cranes for lifting of persons may be subject to specific national regulations. Where National Authorities permit the use of a floating crane for the lifting of persons, the crane would at least need to fulfil the requirements of this standard and be adopted in accordance with the relevant National regulations for the lifting of persons.

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 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.*

EN 842, *Safety of machinery – Visual danger signals – General requirements, design and testing.*

EN 894-3, *Safety of machinery – Ergonomics requirements for the design of displays and control actuators – Part 3: Control actuators.*

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 983, *Safety of machinery – Safety requirements for fluid power systems and their components – Pneumatics.*

EN 1005-3, *Safety of machinery – Human physical performance – Part 3: Recommended force limits for machinery operation.*