



NSAI
Standards

Irish Standard
I.S. EN 13852-3:2021

Cranes - Offshore cranes - Part 3: Light offshore cranes

I.S. EN 13852-3:2021

Incorporating amendments/corrigenda/National Annexes issued since publication:

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I.S. xxx: Irish Standard — national specification based on the consensus of an expert panel and subject to public consultation.

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This document replaces/revises/consolidates the NSAI adoption of the document(s) indicated on the CEN/CENELEC cover/Foreword and the following National document(s):

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National Foreword

I.S. EN 13852-3:2021 is the adopted Irish version of the European Document EN 13852-3:2021, Cranes - Offshore cranes - Part 3: Light offshore cranes

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EUROPEAN STANDARD

EN 13852-3

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 2021

ICS 47.020.40; 53.020.20

English Version

Cranes - Offshore cranes - Part 3: Light offshore cranes

Appareils de levage à charge suspendue - Grues off-shore - Partie 3 : Grues off-shore légères (potence off-shore)

Krane - Offshore-Krane - Teil 3: Offshore-Krane mit kleiner Kapazität

This European Standard was approved by CEN on 8 February 2021.

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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

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EN 13852-3:2021 (E)

European foreword

This document (EN 13852-3:2021) has been prepared by Technical Committee CEN/TC 147 “Cranes - safety”, the secretariat of which is held by DIN.

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of an identical text or by endorsement, at the latest by September 2021, and conflicting national standards shall be withdrawn at the latest by September 2021.

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

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).

For relationship with EU Directive(s), see informative Annex ZA or ZB, which are integral parts of this document.

This document is one part of EN 13852. The parts are the following ones:

- *Part 1: General purpose offshore cranes;*
- *Part 2: Floating cranes;*
- *Part 3: Light offshore cranes.*

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

Introduction

This document is a type C standard as defined in EN ISO 12100.

This document has been prepared to provide one means for light offshore cranes to conform to the essential health and safety requirements of the Machinery Directive.

The machinery concerned and the extent to which hazards, hazardous situations and hazardous events are covered and are indicated in the scope of this document (see Clause 1).

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.

EN 13852-3:2021 (E)

1 Scope

This document applies to light offshore cranes including their supporting pedestals and structures.

NOTE Supporting pedestal and structures such as columns and boom rests, are covered by this document to the extent where their main purpose is to support the crane.

This document is applicable to light offshore cranes, whose structures are made of steel, and fulfil all of the following characteristics:

- maximum rated capacity 15 tonnes or maximum static load moment 3 000 kNm;
- limitation for off-board lifting operation up to $H_s = 2,0$ m and wind speed 15 m/s (3 s gust);
- maximum number of working cycles class U_1 ($C \leq 3,15 \times 10^4$) according to EN 13001-1.

This document provides requirements for all significant hazards, hazardous situations and events relevant to light offshore cranes for lifting of goods and lifting of persons, when used as intended and under conditions foreseen by the risk assessment (see Clause 4).

This document is applicable to light offshore cranes, which are manufactured after the date of approval by CEN of this document.

This document is not applicable for:

- a) transportation, assembly, disabling, scrapping, installation or erecting of the crane;
- b) any item attached to the hook, such as loads, non-fixed load lifting attachments, lifting accessories, baskets, carriers and containers;
- c) lifting operations in ambient temperatures below -20 °C;
- d) lifting operations in ambient temperatures above 45 °C;
- e) lifting operations involving more than one crane;
- f) accidental loads as result of collisions, earthquakes, explosions, etc., which are not covered by exceptional loads defined in Table B.7;
- g) emergency personnel rescue operations (except training);
- h) subsea lifting operations;
- i) general purpose offshore cranes (covered by EN 13852-1), floating cranes and motion compensated cranes.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 614-1:2006+A1:2009, *Safety of machinery — Ergonomic design principles — Part 1: Terminology and general principles*

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