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Hijskranen - Offshore kranen - Deel 3:  
Lichte offshore kranen

Publicatie uitsluitend voor commentaar

Cranes - Offshore cranes - Part 3: Light offshore cranes

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Voorbeeld  
Preview

EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**DRAFT**  
**prEN 13852-3**

September 2018

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 draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 147.

If this draft becomes a European Standard, 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.

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**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

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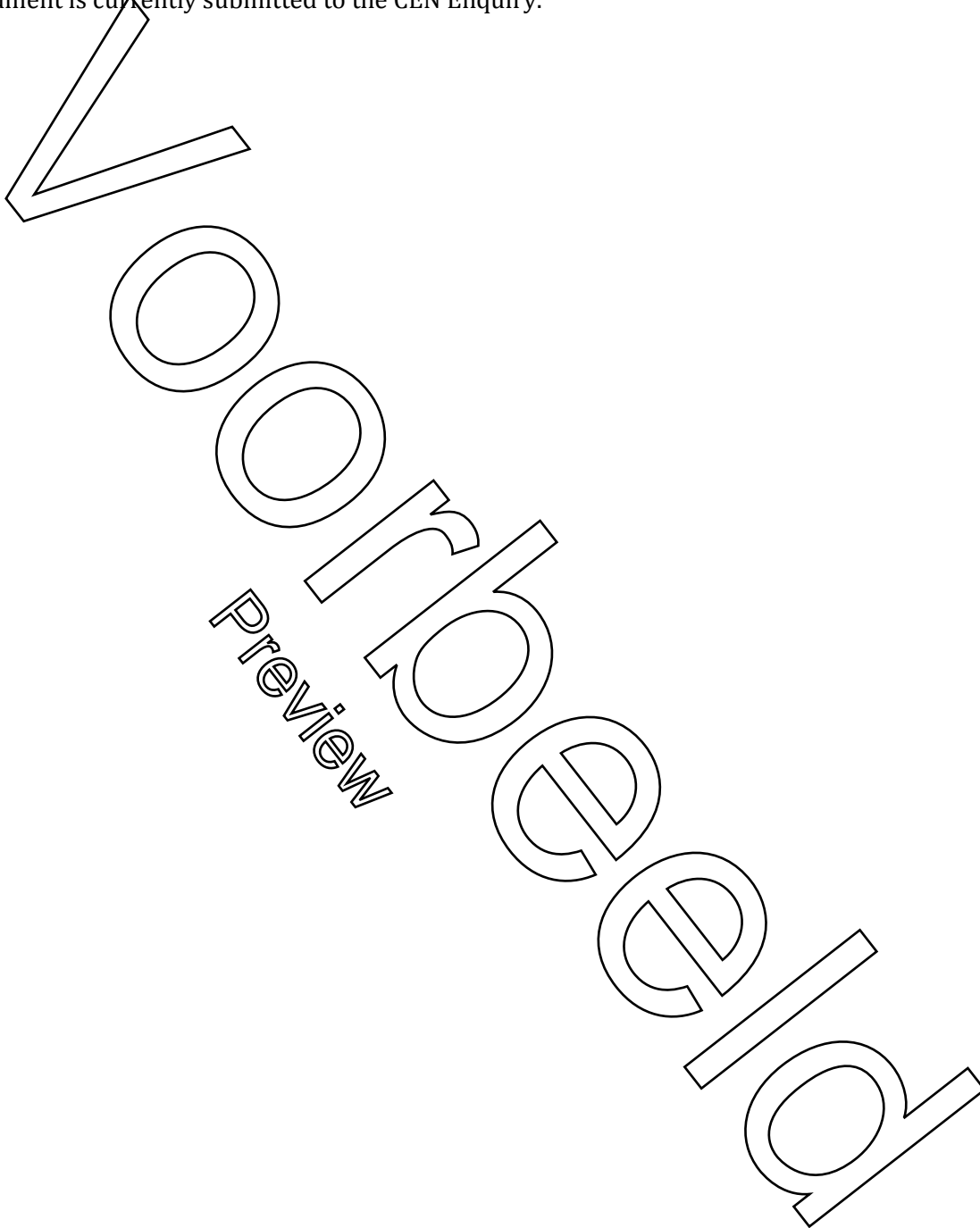
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**prEN 13852-3:2018 (E)**

**European foreword**

This document (prEN 13852-3:2018) has been prepared by Technical Committee CEN/TC 147 “Cranes - safety”, the secretariat of which is held by BSI.

This document is currently submitted to the CEN Enquiry.



## Introduction

This European Standard is a type C standard as stated in EN ISO 12100:2010.

This European Standard 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 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.

Orbiseel  
Preview

**prEN 13852-3:2018 (E)****1 Scope**

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

NOTE The supporting pedestal and structures such as columns and boom rests are covered by this standard 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.

The following characteristics distinguish light offshore cranes from other types of offshore cranes:

- maximum rated capacity 20 tonnes, maximum load moment 300 tm;
- limitation for off-board lifting operation  $H_s = 2,0$  m and wind speed 15 m/s (3s gust);
- maximum number of working cycles class  $U_3$  ( $C \leq 1,25 \times 10^5$ ) according to EN 13001-1.

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

This document is not applicable for:

- a) transportation, assembly, disabling, scrapping or changing the configuration of the crane;
- b) non-fixed load lifting attachments, i.e. any item between the hook and the load;
- 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 due to collisions or earthquakes;
- g) emergency personnel rescue operations (except training);
- h) subsea lifting operations;
- i) general purpose offshore cranes, floating cranes and motion compensated cranes.

This document is applicable for the lifting of personnel.

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

**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 349, *Safety of machinery* — Minimum gaps to avoid crushing of parts of the human body

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

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