



**NSAI**  
Standards

Irish Standard  
I.S. 361:2013

# Code of Practice for the Safe Use of Tower Cranes and Self-erecting Cranes

## I.S. 361:2013

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

The National Standards Authority of Ireland (NSAI) produces the following categories of formal documents:

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

S.R. xxx: Standard Recommendation - recommendation based on the consensus of an expert panel and subject to public consultation.

SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

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<b>NSAI</b> 1 Swift Square, Northwood, Santry Dublin 9	T +353 1 807 3800 F +353 1 807 3838 E standards@nsai.ie W NSAI.ie	<b>Sales:</b> T +353 1 857 6730 F +353 1 857 6729 W standards.ie
Údarás um Chaighdeáin Náisiúnta na hÉireann		

**DECLARATION**

OF

SPECIFICATION

ENTITLED

CODE OF PRACTICE FOR THE SAFE USE OF TOWER CRANES AND SELF-ERECTING CRANES

AS

THE IRISH STANDARD SPECIFICATION FOR

CODE OF PRACTICE FOR THE SAFE USE OF TOWER CRANES AND SELF-ERECTING CRANES

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NSAI in exercise of the power conferred by section 16 (3) of the National Standards Authority of Ireland Act, 1996 (No. 28 of 1996) and with the consent of the Minister for Jobs, Enterprise and Innovation, hereby declare as follows:

1. This instrument may be cited as the Standard Specification (Code of practice for the safe use of tower cranes and self-erecting cranes) Declaration, 2013.
2. (1) The Specification set forth in the Schedule to this declaration is hereby declared to be the standard specification for Code of practice for the safe use of tower cranes and self-erecting cranes.  
(2) The said standard specification may be cited as Irish Standard 361:2013 or as I.S. 361:2013.

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## Foreword

This Irish Standard was drafted by Subcommittee 2 of the NSAI Committee on the Safety of Cranes, in consultation with various organizations.

In preparing this Irish Standard the assumption has been made that the reader has suitable knowledge and understanding of the subject. This Irish Standard represents a standard of good practice but compliance with it does not confer immunity from relevant legal requirements, regulations and local by-laws.

Whilst this Irish Standard deals with tower and self-erector cranes engaged in construction activities, parts of it are also applicable to the use of such cranes in other types of workplaces such as factories, where duties relating to safe use, provision of safe equipment, maintenance and periodic examination, training and supervision will lie with the employer. Similarly, those responsible for crane erection/dismantling will be responsible for appropriate Risk Assessments and Method Statements, and use of correct procedures, to cover those activities.

In drafting this Irish Standard, account was taken of BS 7121, *Code of Practice for safe use of cranes* and other British Standards. The National Standards Authority of Ireland wishes to acknowledge the information and drawings derived from these BSI (British Standards Institute) publications.

## SCHEDULE

# Code of practice for the safe use of tower cranes and self - erecting cranes

## 1 Scope

This Irish Standard specifies requirements for the safe use of tower cranes, including self-erecting tower cranes.

Subjects covered include selection of tower cranes, planning the installation (including site specific design work, e.g. base and ties), erection, extension (including climbing), maintenance, operation, and dismantling.

National legislation for construction safety places duties on clients, designers, project supervisors for the design process and construction stages, and contractors to give proper consideration, in the performance of their roles, to the use of cranes.

## 2 Normative references

This Code of Practice incorporates by dated or undated reference, provisions from other publications. These 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 Irish Standard only when incorporated in it by amendment or revision. For undated references, the latest edition of the publication referred to applies (including amendments).

I.S. EN 14439, *Cranes – Safety- Tower cranes*

ETCI, *National rules for electrical installations (ET 101)*

NOTE All informative references are listed in the Bibliography.

## 3 Terms and definitions

For the purposes of this document, the following terms and definitions apply:

### 3.1 General terms

#### **approved form**

form approved by statute or under contract

#### **climbing**

increasing or decreasing the tower height of a crane using a means other than another crane

#### **in-service**

condition where the crane is handling loads not exceeding the rated capacities within permissible wind speeds and other conditions as specified by the manufacturer

#### **indicator**

device which provides warnings and/or data to facilitate the competent control of the crane within its design parameters

#### **installation**

group of activities associated with the erection, alteration and dismantling of a tower crane



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