
Cranes — Control layout and characteristics —

Part 3: Tower cranes

*Appareils de levage à charge suspendue — Disposition et
caractéristiques des commandes —*

Partie 3: Grues à tour



This document is a preview generated by EBS



COPYRIGHT PROTECTED DOCUMENT

© ISO 2013

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Controls	1
	4.1 Requirements.....	1
	4.2 Basic control arrangement.....	1
5	Consoles	2
6	Stop	2

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

The committee responsible for this document is ISO/TC 96, *Cranes*, Subcommittee SC 7, *Tower cranes*.

This third edition cancels and replaces the second edition (ISO 7752-3:2010), which has been technically revised.

ISO 7752 consists of the following parts, under the general title *Cranes — Controls — Layout and characteristics*:

- *Part 1: General principles*
- *Part 2: Basic arrangement and requirements for mobile cranes*
- *Part 3: Tower cranes*
- *Part 4: Jib cranes*
- *Part 5: Overhead travelling cranes and portal bridge cranes*

Cranes — Control layout and characteristics —

Part 3: Tower cranes

1 Scope

This part of ISO 7752 specifies the particular requirements for controls for tower cranes as defined in ISO 4306-3:2003 and ISO 4306-3:2003/Amd. 1:2011 and the arrangement of basic control used for positioning loads.

NOTE For the general principles and requirements for the controls of cranes, see ISO 7752-1.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 4306-1:2007, *Cranes — Vocabulary — Part 1: General*

ISO 4306-3:2003, *Cranes — Vocabulary — Part 3: Tower cranes*

ISO 4306-3:2003/Amd 1:2011, *Cranes — Vocabulary — Part 3: Tower cranes*

ISO 7752-1:2010, *Cranes — Control layout and characteristics — Part 1: General principles*

IEC 60204-32:2008, *Safety of machinery — Electrical equipment of machines — Part 32: Requirements for hoisting machines*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 4306-1:2007, ISO 4306-3:2003, ISO 4306-3/A1:2011, and ISO 7752-1:2010 apply.

4 Controls

4.1 Requirements

Requirements given in ISO 7752-1:2010 apply.

4.2 Basic control arrangement

4.2.1 General

The basic controls shall be arranged as shown in [Figure 1](#), following the general rules:

- on the right: hoisting and lowering of the load, travelling of the crane;
- on the left: luffing or movement of the crab, slewing of the crane.