## **ASME B30.11-2010**

(Revision of ASME B30.11-2004)

## Monorails and Underhung Cranes

Safety Standard for Cableways, Cranes, Derricks, Hoists, Hooks, Jacks, and Slings

AN AMERICAN NATIONAL STANDARD







This is a free page sample. Access the full version online.

INTENTIONALLY LEFT BLANK



**ASME B30.11-2010** 

(Revision of ASME B30.11-2004)

## Monorails and Underhung Cranes

Safety Standard for Cableways, Cranes, Derricks, Hoists, Hooks, Jacks, and Slings

AN AMERICAN NATIONAL STANDARD







Date of Issuance: April 16, 2010

The next edition of this Standard is scheduled for publication in 2015. This Standard will become effective 1 year after the Date of Issuance. There will be no addenda issued to this edition.

ASME issues written replies to inquirires concerning interpretations of technical aspects of this Standard. Interpretations are published on the ASME Web site under the Committee Pages at http://cstools.asme.org as they are issued, and will also be published within the next edition of the Standard.

ASME is the registered trademark of The American Society of Mechanical Engineers.

This code or standard was developed under procedures accredited as meeting the criteria for American National Standards. The Standards Committee that approved the code or standard was balanced to assure that individuals from competent and concerned interests have had an opportunity to participate. The proposed code or standard was made available for public review and comment that provides an opportunity for additional public input from industry, academia, regulatory agencies, and the public-at-large.

ASME does not "approve," "rate," or "endorse" any item, construction, proprietary device, or activity.

ASME does not take any position with respect to the validity of any patent rights asserted in connection with any items mentioned in this document, and does not undertake to insure anyone utilizing a standard against liability for infringement of any applicable letters patent, nor assume any such liability. Users of a code or standard are expressly advised that determination of the validity of any such patent rights, and the risk of infringement of such rights, is entirely their own responsibility.

Participation by federal agency representative(s) or person(s) affiliated with industry is not to be interpreted as government or industry endorsement of this code or standard.

ASME accepts responsibility for only those interpretations of this document issued in accordance with the established ASME procedures and policies, which precludes the issuance of interpretations by individuals.

No part of this document may be reproduced in any form, in an electronic retrieval system or otherwise, without the prior written permission of the publisher.

The American Society of Mechanical Engineers Three Park Avenue, New York, NY 10016-5990

Copyright © 2010 by THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS All rights reserved Printed in U.S.A.



## **CONTENTS**

Foreword		v
	r	V
		vii
Summary of Chai	nges	X
Chapter 11-0	Scope, Definitions, and References	1
Section 11-0.1	Scope of B30.11	1
Section 11-0.2	Definitions	1
Section 11-0.3	References	ç
Chapter 11-1	Construction and Installation	11
Section 11-1.1		11
Section 11-1.1	Markings	11
Section 11-1.2	General Construction	11
Section 11-1.5	Track Switches, Track Openers, and Interlocks	12
Section 11-1.4 Section 11-1.5	Vertical Drop or Lift Sections	12
Section 11-1.5	Cabs, Normal or Skeleton (If Provided)	13
Section 11-1.7	Guards and Lugs	13
Section 11-1.8	Brakes	14
Section 11-1.9	Electrical Equipment	14
Section 11-1.10	Hoisting Equipment	15
Section 11-1.10	Warning Devices	15
Section 11-1.11	Installation	15
Section 11-1.12	Carriers (Trolleys)	15
Section 11-1.13		
Chapter 11-2	Inspection and Testing	21
Section 11-2.1	Inspection	21
Section 11-2.2	Testing	22
Chapter 11-3	Operator Training and Operation	24
Section 11-3.1	Operator Training	24
Section 11-3.2	Training for Persons Other Than Crane and Monorail System	
	Operators	24
Section 11-3.3	Operation	24
Section 11-3.4	Planned Engineered Lifts	28
Section 11-3.5	Signals	28
Section 11-3.6	Miscellaneous	29
Section 11-3.7	Equipment Lockout/Tagout	29
		20
Chapter 11-4 Section 11-4.1	Maintenance Training and Maintenance	30
	Maintenance Training	30
Section 11-4.2	Equipment Maintenance	30
Figures		
11-0.2-1	Cab-Operated Carrier	2
11-0.2-2	Examples of Styles of Electrification	3
11-0.2-3	Cab-Operated Cranes	4
11-0.2-4	Floor-Operated Cranes	5
11-0.2-5	Semigantry Crane	6
11-0.2-6	Drop Section (Lift Section)	7
11-0.2-7	Interlocking System for Underhung Crane	7
11-0.2-8	Wall-Supported Jib Crane	8
11-0.2-9	Example of One Type of Enclosed Track and Support Bracket	ç





	This is a free preview.	Purchase the e	entire publication	at the link below:
--	-------------------------	----------------	--------------------	--------------------

**Product Page** 

- Dooking for additional Standards? Visit Intertek Inform Infostore
- Dearn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation