(Revision of ASME B30.14-2010)

Side Boom Tractors

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

AN AMERICAN NATIONAL STANDARD



ASME B30.14-2015

(Revision of ASME B30.14-2010)

Side Boom Tractors

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

AN AMERICAN NATIONAL STANDARD



Date of Issuance: December 31, 2015

The next edition of this Standard is scheduled for publication in 2018. This Standard will become effective 1 year after the Date of Issuance.

ASME issues written replies to inquiries 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.

Errata to codes and standards may be posted on the ASME Web site under the Committee Pages to provide corrections to incorrectly published items, or to correct typographical or grammatical errors in codes and standards. Such errata shall be used on the date posted.

The Committee Pages can be found at http://cstools.asme.org/. There is an option available to automatically receive an e-mail notification when errata are posted to a particular code or standard. This option can be found on the appropriate Committee Page after selecting "Errata" in the "Publication Information" section.

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 assumes 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 Two Park Avenue, New York, NY 10016-5990

Copyright © 2015 by
THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS
All rights reserved
Printed in U.S.A.

CONTENTS

Foreword	
Committee Ros	ster
B30 Standard I	ntroduction
	hanges
Chapter 14-0	Scope, Definitions, Translation, Personnel Competence, and References
Section 14-0.1	Scope of B30.14
Section 14-0.2	Definitions
Section 14-0.3	Translations of Safety-Related Information and Control Designations
Section 14-0.4	Personnel Competence
Section 14-0.5	References
Chapter 14-1	Construction and Characteristics
Section 14-1.1	Load Ratings
Section 14-1.2	Operational Aids
Section 14-1.3	Boom Hoist and Load Hoist Mechanisms
Section 14-1.4	Side Boom Tractor Travel
Section 14-1.5	Controls
Section 14-1.6	Ropes and Reeving Accessories
Section 14-1.7	Cabs
Section 14-1.8	General Requirements
Chapter 14-2	Inspection, Testing, and Maintenance
Section 14-2.1	Inspection — General
Section 14-2.2	Testing
Section 14-2.3	Maintenance
Section 14-2.4	Rope Inspection, Replacement, and Maintenance — General
Chapter 14-3	Operation
Section 14-3.1	Operator Qualifications and Operating Practices
Section 14-3.2	Handling the Load
Section 14-3.3	Signals
Section 14-3.4	Operating Near Electric Power Lines
Section 14-3.5	Miscellaneous
Figures	
14-0.2-1	Track-Type Side Boom Tractor
14-0.2-2	Wheel-Type Side Boom Tractor
14-1.1.4-1	Load Rating Chart
14-3.3.2-1	Standard Hand Signals for Controlling Side Boom Tractor Operations
14-3.4.1-1	Danger Zone for Side Boom Tractors and Lifted Loads Operating Near Electrical Transmission Lines
Table	
14-3.4.1-1	Required Clearance for Normal Voltage in Operation Near High- Voltage Power Lines and Operation in Transit With No Load and Boom or Mast Lowered