Australian Standard™

Cranes, hoists and winches

Part 11: Vehicle-loading cranes



This Australian Standard was prepared by Committee ME-005, Cranes. It was approved on behalf of the Council of Standards Australia on 14 May 2004. This Standard was published on 12 July 2004.

The following are represented on Committee ME-005:

Association of Consulting Engineers Australia

Australian Elevator Association

Australian Industry Group

Australian Institute for Non-destructive Testing

Bureau of Steel Manufacturers of Australia

Construction and Mining Equipment Association of Australia

Crane Industry Council of Australia

Department for Administrative and Information Services (South Australia)

Department of Industrial Relations (Qld)

Department of Infrastructure, Energy and Resources (Tasmania)

Department of Labour New Zealand

Institution of Engineers Australia

State Chamber of Commerce

University of New South Wales

Victorian WorkCover Authority

WorkCover New South Wales

WorkSafe Western Australia

Keeping Standards up-to-date

Standards are living documents which reflect progress in science, technology and systems. To maintain their currency, all Standards are periodically reviewed, and new editions are published. Between editions, amendments may be issued. Standards may also be withdrawn. It is important that readers assure themselves they are using a current Standard, which should include any amendments which may have been published since the Standard was purchased.

Detailed information about Standards can be found by visiting the Standards Web Shop at www.standards.com.au and looking up the relevant Standard in the on-line catalogue.

Alternatively, the printed Catalogue provides information current at 1 January each year, and the monthly magazine, *The Global Standard*, has a full listing of revisions and amendments published each month.

Australian Standards[™] and other products and services developed by Standards Australia are published and distributed under contract by SAI Global, which operates the Standards Web Shop.

We also welcome suggestions for improvement in our Standards, and especially encourage readers to notify us immediately of any apparent inaccuracies or ambiguities. Contact us via email at mail@standards.org.au, or write to the Chief Executive, Standards Australia International Ltd, GPO Box 5420, Sydney, NSW 2001.

This Standard was issued in draft form for comment as DR 03524.

AS 1418.11—2004

Australian Standard™

Cranes, hoists and winches

Part 11: Vehicle-loading cranes

First published as AS 1418.11—2004.

COPYRIGHT

© Standards Australia International

All rights are reserved. No part of this work may be reproduced or copied in any form or by any means, electronic or mechanical, including photocopying, without the written permission of the publisher.

Published by Standards Australia International Ltd GPO Box 5420, Sydney, NSW 2001, Australia ISBN 0 7337 6164 X

PREFACE

This Standard was prepared by the Australian members of the Joint Standards Australia/Standards New Zealand Committee ME-005, Cranes.

After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand decided to develop this Standard as an Australian Standard rather than an Australian/New Zealand Standard.

The objective of this Standard is to provide requirements for vehicle-loading cranes.

This Standards is based on EN 12999, Cranes—Safety—Loader cranes.

The terms 'normative' and 'informative' have been used in this Standard to define the application of the appendix to which they apply. A 'normative' appendix is an integral part of a Standard, whereas an 'informative' appendix is only for information and guidance.

Appendix D has been included due to the manufacture of vehicle-loading cranes being principally outside Australia using materials not covered by AS 3990, *Mechanical equipment—Steelwork*.

CONTENTS

		Page
SECTIO	ON 1 SCOPE AND GENERAL	
1.1	SCOPE	4
1.2	APPLICATION	
1.3	REFERENCED DOCUMENTS	
1.4	NEW DESIGNS AND INNOVATIONS	
1.5	DEFINITIONS	
1.6	TERMINOLOGY	
SECTION	ON 2 DESIGN REQUIREMENTS	
2.1	STRUCTURAL CALCULATION	Q
2.2	MECHANICAL ARRANGEMENTS	
2.3	HYDRAULIC SYSTEM	
2.4	LIMITING AND INDICATING DEVICES	
2.4	CONTROLS	
2.6	CONTROL STATIONS	
2.7	INSTALLATION/MOUNTING	
2.8	FITMENT OF ADDITIONAL FUNCTIONS	
2.0	TITWENT OF ADDITIONAL FUNCTIONS	47
	ON 3 VERIFICATION OF THE DESIGN REQUIREMENTS AND MEASURES	2.5
3.1	GENERAL	
3.2	TESTING AND PROCEDURES	
3.3	RECORD OF TESTING	
3.4	REPAIRS	28
SECTIO	ON 4 MANUALS AND MARKING	
4.1	GENERAL	29
4.2	MANUALS	29
4.3	SERVICE RECORD	31
4.4	PARTS BOOK	31
4.5	MARKING	31
A DDEN	Thicks	
APPEN		2.5
		35
В	EXAMPLES OF CONFIGURATIONS AND MOUNTINGS	
C	EXAMPLES OF RAISED CONTROL STATIONS	
D	RATED CAPACITY LIMITER	
Е	EXAMPLES OF MOTIONS THAT INCREASE LOAD MOMENT	
F	SYMBOLS FOR WORKING AND SETTING-UP FUNCTIONS	
G	CONTROL SYSTEM—HORIZONTAL LAYOUT ORDER	
Н	CONTROL SYSTEM—PREFERRED VERTICAL LAYOUT FOR CONTROLS	
-	OPERATED FROM THE GROUND	
I	CONTROL LEVERS FOR HIGH SEATS AND REMOTE CONTROLS	50
J	MINIMUM INTERNAL DIMENSIONS FOR CABINS FITTED ON	
- -	VEHICLE-LOADING CRANES	52
K	DETERMINATION OF RATED CAPACITY INDICATOR/LIMITER	_
	ACCURACY	53



	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