Australian/New Zealand Standard™

Road safety barrier systems and devices

Part 1: Road safety barrier systems





AS/NZS 3845.1:2015

VicRoads

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee CE-033, Road Safety Barrier Systems. It was approved on behalf of the Council of Standards Australia on 1 July 2015 and on behalf of the Council of Standards New Zealand on 21 July 2015.

This Standard was published on 9 September 2015.

The following are represented on Committee CE-033:

Association of Rotational Moulders Australasia Australian Industry Group Australian Motorcycle Council Australian Steel Institute Austroads Concrete Institute of Australia Department of Planning, Transport and Infrastructure, SA Department of Transport and Main Roads, Qld Employers and Manufacturers Association (New Zealand) Engineers Australia Galvanizers Association of Australia Main Roads Western Australia Municipal Works Officers Association of Victoria New Zealand Concrete Society New Zealand Transport Agency Oueensland University of Technology

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 Standards may also be withdrawn.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 joint Australian/New Zealand Standards can be found by visiting the Standards Web Shop at www.saiglobal.com.au or Standards New Zealand web site at www.standards.co.nz and looking up the relevant Standard in the on-line catalogue.

For more frequent listings or notification of revisions, amendments and withdrawals, Standards Australia and Standards New Zealand offer a number of update options. For information about these services, users should contact their respective national Standards organization.

We also welcome suggestions for improvement in our Standards, and especially encourage readers to notify us immediately of any apparent inaccuracies or ambiguities. Please address your comments to the Chief Executive of either Standards Australia or Standards New Zealand at the address shown on the back cover.

This Standard was issued in draft form for comment as DR AS/NZS 3845.1.

AS/NZS 3845.1:2015

Australian/New Zealand Standard™

Road safety barrier systems and devices

Part 1: Road safety barrier systems

Originated as part of AS/NZS 3845:1999.

Jointly revised in part and redesignated AS/NZS 3845.1:2015.

COPYRIGHT

© Standards Australia Limited/Standards New Zealand

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, unless otherwise permitted under the Copyright Act 1968 (Australia) or the Copyright Act 1994 (New Zealand).

Jointly published by SAI Global Limited under licence from Standards Australia Limited, GPO Box 476, Sydney, NSW 2001 and by Standards New Zealand, Private Bag 2439, Wellington 6140.

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee CE-033, Road Safety Barriers, to supersede, in part, AS/NZS 3845:1999, *Road safety barrier systems*.

This Standard is Part 1 of a series of two Standards on road safety barrier systems and devices. This Part 1 sets out the requirements for permanent and temporary safety barriers systems that include longitudinal road safety barriers, terminals, crash cushions, interfaces including transitions, and longitudinal barrier gates. Part 2 sets out the requirements for both permanent and temporary road safety devices that include bollards, pedestrian fences and channelizers, truck or trailer mounted attenuators, and sign support structures and poles.

Notes to the text contain information and guidance. They are not an integral part of the Standard.

The term 'informative' has been used in this Standard to define the application of the appendix to which it applies. An 'informative' appendix is only for information and guidance.

CONTENTS

		Page
FOREW	ORD	6
SECTIO	ON 1 SCOPE AND GENERAL	
1.1	SCOPE	8
1.2	EXCLUSIONS	
1.3	APPLICATION	
1.4	REFERENCED DOCUMENTS	
1.5	DEFINITIONS	
1.6	NOTATIONS	
1.7	GENERAL REQUIREMENTS FOR ROAD SAFETY BARRIER SYSTEMS	16
1.8	USE OF SUBSTITUTED MATERIALS AND OTHER COMPONENTS	16
1.9	VULNERABLE ROAD USERS	16
1.10	MAINTENANCE AND INSTALLATION	16
CECTIC	ON 2 SYSTEM DOCUMENTATION	
2.1	SCOPE OF SECTION	1 0
2.1	DOCUMENTATION ACCOMPANYING ROAD SAFETY	10
2.2	BARRIER SYSTEMS	10
2.3	CRASH PERFORMANCE STATEMENT	
2.3	CHARACTERISTICS AND LIMITATIONS	
2.4	FABRICATION AND INSTALLATION	
2.6	MAINTENANCE	
2.0	MAINTENANCE	22
SECTIO	N 3 SUPPLY, ERECTION AND MAINTENANCE	
3.1	SCOPE OF SECTION	23
3.2	SUPPLY AND ERECTION	
3.3	MAINTENANCE	
3.4	DISMANTLING AND DISPOSAL OR RECYCLING	
3.5	POST-CRASH ASSESSMENT AND REPAIR	27
SECTIO	ON 4 SUITABILITY	
4.1		29
4.2	GENERAL	
4.3	TESTING	
4.4	MODIFICATIONS TO AND SUBSTITUTION OF COMPONENTS IN	
	ROAD SAFETY BARRIER SYSTEMS	32
4.5	COMPLIANCE WITH THE TEST REQUIREMENTS	32
4.6	EVALUATION OF A ROAD SAFETY BARRIER SYSTEM	
4.7	IN-SERVICE PERFORMANCE EVALUATION	33
SECTIO	N 5 RIGID BARRIERS	
5.1	SCOPE OF SECTION	34
5.2	GENERAL	
5.3	ANCHORAGES, FOOTINGS AND FOUNDATIONS	
5.4	DRAINAGE SLOTS	
5.5	RIGID METAL BARRIERS	
5.6	MATERIALS	
5.7	INSTALLATION CRITERIA	
5.8	MAINTENANCE ISSUES	



The is a new provider i arenade and chare publication at the limit below	This is a free preview.	Purchase the	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