Australian/New Zealand Standard™

Motor vehicles—Cargo restraint systems—Transport webbing and components

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This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee ME-048, Restraint Systems in Vehicles. It was approved on behalf of the Council of Standards Australia on 21 September 2001 and on behalf of the Council of Standards New Zealand on 19 October 2001. It was published on 21 November 2001.

The following interests are represented on Committee ME-048:

Australian Automobile Association
Australian Chamber of Commerce and Industry
Australian Industry Group
Commercial Vehicle Industry Association of Australia
Consumers Federation of Australia
Federation of Automotive Products Manufacturers, Australia
Land Transport Safety Authority, New Zealand
Roads and Traffic Authority of New South Wales

Additional interests participating in the preparation of this Standard:

Vehicle transport industries
Webbing manufacturers and suppliers

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee ME-048, Restraint Systems in Vehicles to supersede AS/NZS 4380:1996, *Cargo restraint systems—Webbing load restraint systems*.

The objective of the Standard is to provide requirements for webbing restraint systems used in the transport industry for restraining cargo on vehicles, and manufactured from the following fibres:

(a) Polyester (PES).

(b) Polyamide (PA).

(c) Polypropylene (PP).

These fibres are described in AS/NZS 2450, *Textiles—Natural and man-made fibres—Generic names.*

This Standard does not preclude the introduction of new fibres in the future.

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.

CONTENTS

FOREWORD

In any webbing restraint system, the lashing capacity (LC) of each system must take account of the conditions of use and be compatible with any loads inherent in and applied to the system, and each component should readily connect with each adjacent component. Therefore, it is important that restraint systems be quickly and positively identified in service for size, capacity and if applicable, quality grade.

Where applicable, the quality grading system used in this Standard is based on the system incorporated in other Australian/New Zealand Standards covering components in lifting, tensioning and restraining systems. This is intended to promote positive identification and easy selection because it relates to the mechanical properties of the finished product and not simply to the strength of the material. In some countries lashing capacity (LC) may be referred to as ‘rated assembly strength’ (RAS) and it is normally expressed in kilograms (kg) for ease of understanding in use rather than kilograms force (kgf).

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SECTION 1 SCOPE AND GENERAL REQUIREMENTS

1.1 SCOPE

This Standard specifies requirements for webbing restraint systems for use in the transportation of cargo under normal operating conditions.

The Standard is not intended to apply to either load restraint nets or vehicle curtain sidewalls or their tensioners. Vehicle curtain single walls and their tensioners are not considered to be general cargo restraint systems.

NOTE: Guidelines on information to be supplied with enquiries and orders are given in Appendix B and the means for demonstrating compliance with this Standard are given in Appendix C. Appendix D gives advice on the selection and use of webbing restraint systems. Appendix E sets out the requirements and recommendations on the care and maintenance of webbing restraint systems.

1.2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS	
1199	Sampling procedures and tables for inspection by attributes
1399	Guide to AS 1199—Sampling procedures and tables for inspection by attributes
2193	Methods for calibration and grading of force-measuring systems of testing machines
AS/NZS	
2450	Textiles—Natural and man-made fibres—Generic names
4344	Motor vehicles—Cargo restraint systems—Transport chain and components
AS/NZS ISO	
9000	Quality management systems—Fundamentals and vocabulary
9004	Quality management systems—Guidelines for performance improvements
HB 18	Guidelines for third-party certification and accreditation
HB 18.44	Guide 44—General rules for ISO or IEC international third-party certification schemes for products (SANZ HB 18.44)