AS 1333—1994
Reconfirmed 2019

Australian Standard®

Conveyor belting of elastomeric and steel cord construction

This Australian Standard was prepared by Committee RU/2, Conveyor and Elevator Belting. It was approved on behalf of the Council of Standards Australia on 13 December 1993 and published on 11 April 1994.

The following interests are represented on Committee RU/2:

Australasian Institute of Mining and Metallurgy
Australian Chamber of Commerce and Industry
Australian Chamber of Manufactures
Australian Coal Association
Bureau of Steel Manufacturers of Australia
Department of Mineral Resources, N.S.W.
Institute of Quarrying (W.A. Branch)
Electricity Supply Association of Australia
Institute of Engineers, Australia
Plastics and Rubber Institute
WorkCover Authority, N.S.W.

STANDARDS AUSTRALIA

RECONFIRMATION

OF
AS 1333—1994
Conveyor belting of elastomeric and steel cord construction

RECONFIRMATION NOTICE

Technical Committee RU-002 has reviewed the content of this publication and in accordance with Standards Australia procedures for reconfirmation, it has been determined that the publication is still valid and does not require change.

Certain documents referenced in the publication may have been amended since the original date of publication. Users are advised to ensure that they are using the latest versions of such documents as appropriate, unless advised otherwise in this Reconfirmation Notice.

Approved for reconfirmation in accordance with Standards Australia procedures for reconfirmation on 08 December 2018.

The following are represented on Technical Committee RU-002:
Australasian Institute of Mining and Metallurgy
Australasian Plastics and Rubber Institute
Australian Chamber of Commerce and Industry
Australian Industry Group
Bureau of Steel Manufacturers of Australia
Engineers Australia
NSW Department of Planning and Environment
SafeWork NSW
University of Newcastle

NOTES

Australian Standard®

Conveyor belting of elastomeric and steel cord construction

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PREFACE

This Standard was prepared by the Standards Australia Committee on Conveyor and Elevator Belting under the direction of the Multitechnics Standards Policy Board, to supersede AS 1333—1988.

The principal changes from the 1988 edition are as follows:

(a) Table 1 has been revised to take into account belting designation up to ST6300. For constructions not covered by the Table, a suggested calculation for minimum belt strength is given.

(b) Requirements for cord pull-out strength and laminate adhesion have been updated.

(c) Requirements for dynamic cord pull-out and cord elastomeric penetration have been included.

(d) Tolerance on cord pitch has been reduced.

(e) The use of a press, instead of an oven, for reheating test pieces in the test for static pull-out strength.

(f) Electrical resistance and fire resistance requirements for Grade S belting have been excluded as these requirements are specified in AS 4606.

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.

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Conveyor belting of elastomeric and steel cord construction

1 SCOPE This Standard specifies requirements for conveyor belting of elastomeric materials and steel cord construction in which the carcass is composed of a plane of steel cords with or without supplementary reinforcements.

NOTES:

1 Alternative methods for determining compliance with this Standard are given in Appendix A.

2 Guidelines and advice on information to be supplied at the time of placing an enquiry or an order are set out in Appendix B.

WARNING: BELTING COMPLYING WITH THIS STANDARD MAY NOT NECESSARILY BE ELECTRICALLY INSULATING AT ANY STAGE OF ITS LIFE AND MUST NOT THEREFORE BE USED AS AN INSULATOR FOR ELECTRICAL WORK.

2 REFERENCED DOCUMENTS The following documents are referred to in this Standard:

AS	
1199	Sampling procedures and tables for inspection by attributes
1334	Methods of testing conveyor and elevator belting
1334.1	Method 1: Determination of length of endless belting
1334.4	Method 4: Determination of troughability of conveyor belting
1334.9	Method 9: Determination of electrical resistance of conveyor belting
1334.10	Method 10: Determination of ignitability and flame propagation characteristics of conveyor belting
1334.11	Method 11: Determination of ignitability and maximum surface temperature of belting subjected to friction
1334.12	Method 12: Determination of combustion propagation characteristics of conveyor belting
1399	Guide to AS 1199—Sampling procedures and tables for inspection by attributes
1683	Methods of test for elastomers
1683.11	Method 11: Tension testing of vulcanized rubber
1683.21	Method 21: Rubber—Vulcanized—Determination of abrasion resistance using a rotating cylindrical device
1683.26	Method 26: Rubber, vulcanized—Accelerated ageing or heat-resistance tests
2103	Dial gauges and dial test indicators (metric series)
3569	Steel wire ropes
3900	Quality management and quality assurance standards
3900.1	Part 1: Guidelines for selection and use