

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
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RECONFIRMATION

OF

AS 1333—1994

Conveyor belting of elastomeric and steel cord construction

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NOTES

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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 2 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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STANDARDS AUSTRALIA

Australian Standard
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 roughability 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 |
| 1683.22 | Method 26: Rubber, vulcanized—Accelerated ageing or heat-resistance tests |
| 1105 | 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 |