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Australian Standard 1333—1980

CONVEYOR BELTING OF ELASTOMERIC AND STEEL CORD CONSTRUCTION

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THE FOLLOWING SCIENTIFIC, INDUSTRIAL AND GOVERNMENTAL ORGANIZATIONS and departments were officially represented on the committee entrusted with the preparation of this standard:

Australian Institute of Mining and Metallurgy

Australian Coal Association

Australian-British Trade Association

Confederation of Australian Industry

Departments of Minerals and Energy

Grain Elevators Board of New South Wales

Institution of Engineers, Australia

Manufacturers of conveyor belting and its components

State Electricity Commission of Victoria

This standard, prepared by Committee RU/2, Conveyor and Elevator Belting, was approved on behalf of the Council of the Standards Association of Australia on 9 September 1980, and was published on 1 November 1980.

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AUSTRALIAN STANDARD

CONVEYOR BELTING OF ELASTOMERIC AND STEEL CORD CONSTRUCTION

AS 1333—1980

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PREFACE

This standard was prepared by the Association's Committee on Conveyor and Elevator Belting as a comprehensive new edition of AS 1333—1974.

Purchasing guidelines which involve contractual arrangements are given in Appendix H.

The standard should meet the needs of industry for standardized dimensions, strengths and quality requirements where high strength conveyor belting of the type specified is required. It takes cognizance of Tentative German Standard DIN 22131, February 1965.

In the standard, general construction requirements, preferred widths and certain important minimum physical properties are given, together with tolerances for widths and thicknesses. Dimensions are largely based on the work of the International Organization for Standardization through its technical committee ISO/TC 41, Pulleys and Belts. Quality marking of belting specified in Clause 7 complies with the designation set out in ISO/R433.

The SAA committee considered other requirements such as impact resistance, resistance to gouging, abrasion resistance, tensile fatigue, flexing and coefficient of friction, but was of the opinion that, although these requirements are relevant, the test methods so far developed have not been satisfactorily correlated to field service and the requirements should not therefore be included at this stage.

It should be noted that the standard incorporates only minimum requirements for belting. Where limits, tolerances and tests other than those specified herein are required, they may be subject to agreement between the parties concerned (see Appendix H).

Test methods specifically appropriate to steel cord construction are included herein.

This standard requires reference to the following Australian and international standards:

AS 1334	Methods of Test for Conveyor and Elevator Belting	
	1334.1	Length of Endless Belting
	1334.4	Troughability of Conveyor Belting
	1334.5	Tensile Strength and Elongation of Covers of Conveyor Belting
	1334.6	Resistance of Covers to Ageing
	1334.9	Electrical Resistance
	1334.10	Flame Resistance
	1334.11	Drum Friction Test
AS 1394	Round Steel Wire for Ropes	
AS 1683	Methods of Test for Rubber	
	1683.21	Rubber — Vulcanized — Determination of Abrasion Resistance Using A Rotating Cylindrical Device*
AS 2103	Dial Gauges and Dial Test Indicators for Linear Measurement	
ISO/R 433	Marking of Conveyor Belts	

*In course of preparation.

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