

Australian/New Zealand Standard™

**New pneumatic tyres for light trucks
and trucks/buses**

AS/NZS 2230:1999

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee ME/56, Automotive Tyres. It was approved on behalf of the Council of Standards Australia on 13 August 1999 and on behalf of the Council of Standards New Zealand on 16 August 1999. It was published on 5 September 1999.

The following interests are represented on Committee ME/56:

Australian Automobile Association
Australian Chamber of Commerce and Industry
Australian Tyre Dealers Association
Australian Tyre Manufacturers Association
Australia Post
Commercial Vehicle Industry Association of Australia
Commonwealth Department of Transport and Regional Services
Consumers Federation of Australia
Department of Fair Trading, N.S.W. Consumer Protection Agency
Federal Chamber of Automotive Industries
Institute of Automotive Mechanical Engineers
Motor Traders Association of New South Wales
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New Zealand Tyre Retreaders Association
New Zealand Automotive Component Manufacturers Federation
Service Station Association
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New pneumatic tyres for light trucks and trucks/buses

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PREFACE

This Standard was prepared by the Standards Australia/Standards New Zealand Committee ME/56, Automotive Tyres to supersede AS 2230—1990 in Australia and NZS 5464—1990 in New Zealand.

This Standard covers tyres designed primarily for light trucks, trucks, trailers, caravans, buses and coaches.

The performance test specified is based on the United Nations Economic Commission for Europe (ECE) Regulation No. 54, *Uniform provisions concerning the approval of pneumatic tyres for commercial vehicles and their trailers*, except that the ambient test temperature requirement is changed to 38 ±3°C.

Tyres are required to comply with the physical dimensions, rim fitments, and load ratings, in one of four referenced documents as specified in Clause 4.1 of this Standard. It is permissible for load ratings and inflation pressures to be marked on the tyre in imperial units as an alternative to metric (SI) units.

This edition differs from the 1990 edition of the Standard in that the load/speed wheel test has been extended to cover tyres with a speed category of P or above.

The term ‘normative’ has been used in this Standard to define the application of the appendix to which it applies. A ‘normative’ appendix is an integral part of a Standard.

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STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

Australian/New Zealand Standard

New pneumatic tyres for light trucks and trucks/buses

1 SCOPE

This Standard specifies requirements for physical dimensions, performance, and marking for new pneumatic light truck and truck/bus tyres designed primarily for on-road use.

The tyres covered by this Standard are those contained in the truck/bus sections of the Standards listed in Clause 4.1.

2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

The Tyre and Rim Association of Australia, Standards Manual.

The Tire and Rim Association, Inc., Year Book.

The European Tyre and Rim Technical Organisation, Standards Manual.

The Japan Automobile Tire Manufacturers Association Inc., Year Book.

3 DEFINITIONS

For the purpose of this Standard, the definitions below apply.

3.1 Bead

The part of the tyre made of steel bead wires, wrapped or reinforced by ply cords, that is shaped to fit the rim.

3.2 Bead separation

The parting of components of the tyre in the bead area.

3.3 Belt(s)

The two or more layers of substantially inextensible cord material embodied circumferentially within a tyre immediately outside the carcass plies and under the tread.

The cord angle relative to the tyre circumference is lower than that for the carcass plies. Belts are used in radial ply tyres and form an integral structural component of the tyre construction.

3.4 Belt separation

A parting of the belt layers or parting between belts and plies.

3.5 Carcass

The tyre structure except tread and sidewall rubber.

3.6 Chunking

The parting of pieces of the tread from the tyre.

3.7 Cords

The individual reinforcement strands forming the carcass plies, breakers, and belts in the tyre.