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Automobile tyres

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Descriptors : road vehicles, private cars, tyres, pneumatic tyres, buses, commercial road vehicles

Reference number : **JIS D 4230 : 1998 (E)**

D 4230 : 1998

Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of International Trade and Industry through deliberations at Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law. Consequently, JIS D 4230:1986 is replaced with JIS D 4230:1998.

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Automobile tyres

Introduction This Japanese Industrial Standard has been prepared based on **ISO 4223-1**, *Definitions of some terms used in the tyre industry — Part 1: Pneumatic tyres* published in 1989 as third edition, and its Amendment 1 published in 1992, **ISO 10191**, *Passenger car tyres — Verifying tyre capabilities — Laboratory test methods* published in 1995 as second edition, and **ISO 10454**, *Truck and bus tyres — Verifying tyre capabilities — Laboratory test methods* published in 1993 as first edition, without modification in the technical content as to the corresponding parts (definitions, performance and test methods). On the other hand, the items (type and dimension, appearance and marking requirement) and content (high-speed performance test B) not specified in the corresponding International Standards have been additionally contained in this Japanese Industrial Standard.

Further, reinforced/extra load tyres specified in the International Standards are not adopted in Japanese Industrial Standard.

1 Scope This Japanese Industrial Standard specifies the new automobile tyres (hereafter referred to as “tyres”). However, this Standard does not apply to the tyres for double-wheeled automobile, for agricultural vehicle, for industrial vehicle and for vehicle for construction use.

Remarks 1 The normative reference to this Standard is as follows :

JIS D 4202 *Automobile tyres — Designation and dimensions*

2 The units and numerical values given in { } in this Standard are based on the traditional units and are appended for informative reference.

2 Definitions The definitions of main terms used in this Standard shall be as follows.

- (1) **bias ply tyre** The bias ply tyre, also called “diagonal ply tyre”, means the pneumatic tyre in which the ply cords are crossed diagonally to the center line of the tread.
- (2) **radial ply tyre** The radial ply tyre means the pneumatic tyre in which the ply cords are laid substantially at the angle of 90° to the center line of tread and bound circumferentially with belts.
- (3) **tread** The tread means the rubber layer of tyre which normally comes in contact with the ground.
- (4) **bead** The bead means the part of tyre inserted to rim.
- (5) **side wall** The side wall means the rubber layer of tyre between the tread and the bead.
- (6) **cord** The cord means the textile or metal strands (threads) used in various components of the tyre plies, carcass, belts and breakers.
- (7) **ply** The ply means the layer of rubber-coated parallel cords.