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Tires for industrial vehicles

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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 the Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law. Consequently **JIS D 6403:1987** is replaced with this Standard.

Date of Establishment: 1959-09-01

Date of Revision: 1995-03-01

Date of Reaffirmation: 2001-10-20

Date of Public Notice in Official Gazette: 2001-10-22

Investigated by: Japanese Industrial Standards Committee

Divisional Council on High Molecular Materials

Technical Committee on Tyre and Tube

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In the event of any doubts arising as to the contents,
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Tires for industrial vehicles

1. **Scope** This Japanese Industrial Standard specifies tires for industrial vehicles (hereafter referred to as "tires").

Remarks 1 The normative references to this Standard are as follows:

JIS D 4201 *Designation system of tyre, tube, rim band and flap for automobiles*

JIS D 4202 *Automobile tyres—Designation and dimensions*

JIS D 4230 *Tires for automobiles*

JIS D 6401 *Dimensions and load ratings of tires for industrial vehicles and off the road service*

JIS G 3510 *Testing methods for steel tire cords*

JIS K 6200 *Glossary of terms used in rubber industry*

JIS K 6251 *Tensile testing methods for vulcanized rubber*

JIS K 6256 *Adhesion testing methods for vulcanized rubber*

JIS K 6257 *Accelerated aging test methods for vulcanized rubber*

JIS L 1017 *Testing methods for chemical fibre tire cords*

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

2. **Terms and definitions** For the purpose of this Standard, the definitions given in JIS D 4201, JIS D 4202, JIS D 4230 and JIS K 6200 and the following definitions apply.

- (1) **side wall** external wall between the tread and the bead
- (2) **cord** textile (or metal wire) with an applied twist that forms the plies within the tire
- (3) **breaker** layer of cord in bias ply tires designed to protect the carcass located normally between the tread and the carcass but not extending to the bead
- (4) **belt** layer of cord in radial ply tires located between the tread and the carcass but not extending to the bead
This layer develops hoop effects.
- (5) **bead** portion constructed so as to fit on to the rim consisting of bundles of steel wires wrapped with the plies
- (6) **cord angle** angle formed between the cord and the tread centre line