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**NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC
OF CHINA**

中华人民共和国国家标准

GB/T 2977-2008

Replace GB/T 2977-1997, GB/T 19047-2003

**Size designation, dimensions, inflation pressure
and load capacity for truck tyres**

载重汽车轮胎规格，尺寸，气压与负荷

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China**

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Foreword

This standard is not equivalent to “The Tire and Rim Association – 2007 (TRA-2007)” (English Edition).

This standard replaces GB/T 2977-1997 “Series of Truck Tyres” and GB/T 19407-2003 “Agricultural Tractor – Maximum Actuating Forces Required to Operate Controls”.

This standard does not differ from GB/T 19407-2003 in the aspect of technical contents.

The main differences from the old edition - GB/T 2977-1997 are shown as follows:

- Add load index (refer to Table 1 to Table 21);
- For some tyre sizes, add higher ply rating tyres based on GB/T 2977-1997 (some tyre sizes in Table 1 to 4, Table 6, 12, 15 and 16).
- Add some tyre sizes (refer to Table 1 to 21);
- Delete the sizes of nominal diagonal tyre (Table 9 and 20 of 1997 edition) and some sizes of diagonal tyre with normal section (Table 3, 5, 12, and 14 of 1997 edition), add the sizes of light truck radial tyre (Table 10 of this standard), the sizes of ST nominal tyre specially used in road trailer (Table 11 of this standard), the sizes of road-base truck diagonal tyre (Table 14 of this standard) and the sizes of recreational vehicle tyre (Table 21 of this standard);
- Cancel the table of “the corresponding relation between inflation pressure and load capacity” (Table 2, 4, 6, 8, 11, 13, 15, 17, 19, 22, 24, 26, and 28 of 1997 edition);
- “Measurement of tyre” replace “standard tyres” (Table 1, 3, 5, 7, 9, 10, 12, 14, 16, 18, 20, 21, 23, 24, 25 and 27 of edition 1997; Table 1 to Table 21 of this standard).
- Regulate the section width and external diametrical difference of tyre after air inflation (Table 1 and 5 of 1997 edition; Table 1 to Table 21 of this standard);
- Regulate load variation rates of tyre under different speeds (Table 31 of 1997 edition; Table 22 of this standard).

Appendix A and B of this standard are normative.

This standard is proposed by China Petroleum and Chemical Industry Association.

This standard is under jurisdiction of National Technical Committee on Tyres and Rims of Standardization Administration of China.

This standard is jointly drafted by Aeolus Tires INC, Guizhou Tyre Co., Ltd. Double Coin Holdings Ltd., Hangzhou Zhongce Rubber Co., Ltd., Beijing Research & Design Institute of Rubber Industry, Shandong Linglong Tire Co., Ltd., Triangle Tyre Co., Ltd., Git Tire INC. (Shandong), Xiamen Cheng Shin Enterprise Co., Ltd., Beijing Capital Tyre Co., Ltd., MICHELIN Group (Shanghai), and Sailun Co., Ltd.

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The old issued editions that this standard replaces include:

- GB/T 2977-1982, GB/T 2977-1989, GB/T 2977-1997;
- GB/T 19047-2003

Size designation, Dimensions, Inflation Pressure and Load Capacity for Truck Tyres

1 Scope

This standard specifies the terms and definitions, size designation, dimensions, inflation pressure and load capacity of truck tyres, and the designation methods of truck tyre.

This standard is applicable to the inflated tyres of truck, passenger car, and trailer.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced documents (including any amendments) applies.

GB/T 6326 Tyre Terms and Definitions (GB/T 6326-2005, ISO 4223-1:2002, Definitions of some terms used in tyre industry-Part 1: Pneumatic tyres, NEQ)

3 Terms and definitions

For the purpose of this standard, the terms and definitions given in GB/T 6326 apply.

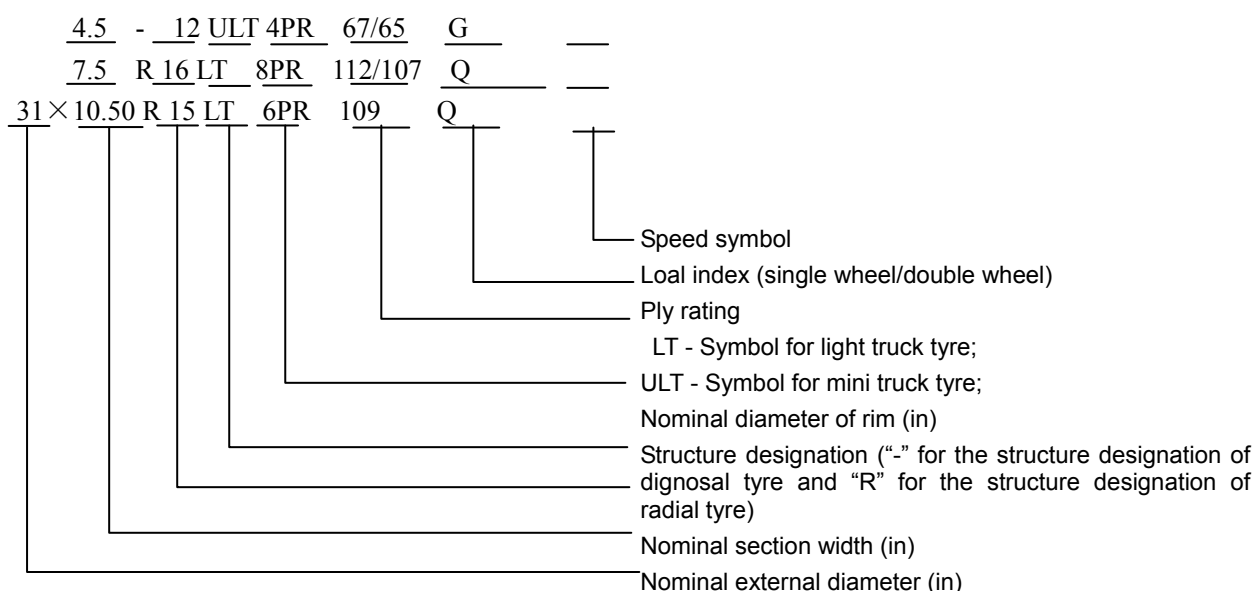
4 Designation methods of truck tyre

4.1 Mini or light truck tyre

Example 1:

Designation of tyre size

Instructions





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