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GB/T 2982-2024

Replacing GB/T 2982-2014

**Size designation, dimensions, inflation pressure and load
capacity of pneumatic tyres for industrial vehicles**

工业车辆充气轮胎规格、尺寸、气压与负荷

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Foreword

This document was drafted in accordance with the provisions of GB/T 1.1-2020 “*Directives for standardization - Part 1: Rules for the structure and drafting of standardizing documents*”.

This document replaces GB/T 2982-2014 “*Designation, dimensions, inflation pressures and load capacity of pneumatic tyres for industrial vehicles*.” Compared with GB/T 2982-2014, in addition to structural adjustments and editorial changes, the main technical changes are as follows:

- MODIFY the provisions for new tyre minimum overall width and new tyre minimum overall diameter (see Tables 1 and 3 of this document; Tables 1 and 3 of the 2014 edition);
- MODIFY the valve stem model for inner tubes used in some tyres (see Tables 1 and 5 of this document; Tables 1 and 5 of the 2014 edition);
- ADD the load capacity of 15 km/h drive wheel of some normal section diagonal tyres (see Table 2 of this document);
- ADD the load capacity of 15 km/h drive wheel of some normal section radial tyres (see Table 4 of this document);
- MODIFY the section width dimension of some low section diagonal tyres (see Tables 5 and 7 of this document; Tables 5 and 7 of the 2014 edition);
- ADD the load capacity of 15 km/h drive wheel of some low section diagonal tyres (see Table 6 of this document);
- ADD the load capacity of 15 km/h drive wheel of some low section radial tyres (see Table 8 of this document);
- DELETE the mobile crane radial tyres (see Table 11 of the 2014 edition);
- ADD the wide-base radial tyres equipped with 15° deep groove rims (see Table 12 of this document);
- ADD the calculation and rounding off rules for new tyre maximum and minimum peripheral dimensions (see Annex C of this document).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. The issuing authority of this document shall not be held responsible for identifying any or all such patent rights.

This document was proposed by China Petroleum and Chemical Industry Federation.

Size designation, dimensions, inflation pressure and load capacity of pneumatic tyres for industrial vehicles

1 Scope

This document specifies the representation of size designation of pneumatic tyres for industrial vehicles, as well as dimensions, inflation pressure, and load capacity requirements corresponding to the size designation of tyres.

This document applies to new pneumatic tyres for industrial vehicles, such as counterbalanced trucks with mast, towing tractors, and flatbed trucks.

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 document (including any amendments) applies.

GB/T 2981 Technical specification of pneumatic tyres for industrial vehicles

GB/T 6326 Tyre - Vocabulary

3 Terms and definitions

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

4 Representation of size designation of tyres

4.1 Normal section tyres

Example:

5 Requirements

5.1 For tyres designed and manufactured in accordance with this document, the requirements, test methods, marking and packaging, use and maintenance shall comply with the provisions of GB/T 2981.

5.2 Tyre size designation, measuring rim, and new tyre dimension shall comply with the provisions of Tables 1, 3, 5, 7, and 9 to 13. Tyre maximum dimension in-service, permitted rim, and valve stem model should comply with the provisions of Tables 1, 3, 5, 7, and 9 to 13.

5.3 Tyre ply rating, and the correspondence between inflation pressure and load capacity shall comply with the provisions of Tables 2, 4, 6, 8, and 9 to 13.

5.4 The correspondence between speed symbol and running speed shall comply with the provisions of Annex A. The correspondence between speed and load capacity should comply with the provisions of Annex A.

5.5 The correspondence between load index and load capacity shall comply with the provisions of Annex B.

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