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GB/T 16622-2022

Replacing GB/T 16622-2009

**Size designation, dimensions and load capacity for pressed-
on solid tyres**

压配式实心轮胎规格、尺寸与负荷

[ISO 10500:1991, Industrial tyres and rims - Cylindrical and conical base rubber solid
tyres (metric series) - Designation, dimensions and marking, NEQ]

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Table of Contents

Foreword	3
1 Scope	5
2 Normative references	5
3 Terms and definitions	5
4 Expression of tyre size designation and schematic diagram of dimensions of tyre and rim assembly components	5
5 Size designation, dimensions, rate and load capacity for tyres.....	7

Foreword

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

This document replaces GB/T 16622-2009, *Size designation dimensions and load capacity for pressed-on solid tyres*. Compared with GB/T 16622-2009, in addition to structural adjustments and editorial changes, the main technical changes are as follows:

- Change the scope of application (see Chapter 1; Chapter 1 of the 2009 edition);
- Change the expression of tyre size designation (see 4.1, 4.2; Chapter 4 of the 2009 edition);
- Add a schematic diagram of the components and dimensions of the tyre and rim assembly (see Figure 1);
- Add new tyre dimension specifications to tyre size designation (see Table 1 and Table 2);
- Add the load of other industrial trucks at rates of 6 km/h and 10 km/h (see Table 1 and Table 2);
- Add size designations for some tyres (see Table 1 and Table 2);
- Change the load capacity of some size designations, and recalculate the load capacity (see Table 1, Table 2; Table 2, Table 3 of the 2009 edition).

This document was drafted with reference to ISO 10500:1991 *Industrial tyres and rims - Cylindrical and conical base rubber solid tyres (metric series) - Designation, dimensions and marking*, while the degree of consistency is non-equivalent.

Please note that some of the contents of this document may involve patents. The issuing organization of this document is not responsible for identifying patents.

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

This document shall be under the jurisdiction of National Technical Committee on Tyres and Rims of Standardization Administration of China (SAC/TC 19).

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Size designation, dimensions and load capacity for pressed-on solid tyres

1 Scope

This document specifies the expression for size designation of pressed-on solid tyres, as well as the size designation, dimensions, rate and load capacity for tyres.

This document applies to the new pressed-on solid tyres used on counterbalanced trucks with mast and other industrial trucks.

2 Normative references

The following documents are normatively referenced in this document and are indispensable for its application. For dated references, only the version corresponding to that date is applicable to this document; for undated references, the latest version (including all amendments) is applicable to this document.

GB/T 6326, Tyre terms and definitions

GB/T 16623, Technical specification of pressed-on solid tyres

3 Terms and definitions

Terms and definitions determined by GB/T 6326 and GB/T 16623 are applicable to this document.

4 Expression of tyre size designation and schematic diagram of dimensions of tyre and rim assembly components

4.1 Tyre size designation expressed in imperial system

An example of tyre size designation expressed in imperial system is shown as follows:

- 2 – rim overall diameter;
- 3 – section width;
- 4 – rubber carcass;
- 5 – steel ring;
- 6 – rim.

Figure 1 – Schematic diagram of components and dimensions of the pressed-on solid tyre and rim assembly

5 Size designation, dimensions, rate and load capacity for tyres

5.1 For tyres designed and produced according to this document, their requirements, test methods and marking shall comply with the provisions of GB/T 16623.

5.2 The correspondence between tyre size designation, new tyre dimensions, rate and load capacity shall comply with the provisions in Table 1 and Table 2.

5.3 The fit dimensions of tyre and rim should comply with the relevant provisions of GB/T 16623.

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