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

GB/T 5844-2025

Replacing GB/T 5844-2002

Tyre coupling

轮胎式联轴器

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

This document replaces GB/T 5844-2002 "Tire Coupling". Compared with GB/T 5844-2002, except for structural adjustment and editorial In addition to the modifications, the main technical changes are as follows.

- a) The marking method of the coupling has been changed (see 4.2, 3.4 of the 2002 edition);
- b) The coupling J1 type shaft hole has been deleted (see Table 1 of the 2002 edition);
- c) The outer diameter of the coupling sleeve is increased (see Figure 1 and Table 1);
- d) Added the relevant parameters of the coupling connection bolt hole (see Table 1);
- e) The structural steel material grades have been changed (see Table 3, Table 3 of the 2002 edition);
- f) The 4.8-grade connecting bolts of the coupling have been deleted (see Table 3 of the 2002 edition);

- g) Added tightening requirements for coupling bolts (see 7.6);
- h) Added the coupling assembly accuracy requirements (see 7.7);
- i) Deleted the requirements for semi-finished rubber products (see Table 4 of the 2002 edition);
- j) Added the requirements for rubber physical properties test specimen types (see Table 6);
- k) The hot air aging test method standard for vulcanized rubber has been changed (see Table 6, Table 4 of the 2002 edition);
- l) Added torque test method (see 8.2).

Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents.

This document was proposed and coordinated by the National Technical Committee for Standardization of Machine Shafts and Accessories (SAC/TC109).

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This document was first issued in 1986, revised for the first time in 2002, and this is the second revision. Tire coupling

1 Scope

This document specifies the basic parameters, main dimensions, technical requirements, test methods, marking, packaging and storage of tire couplings.

content, and defines the type and marking of the product.

This document is applicable to tire couplings with nominal torques of 10N-m~25000N-m and operating temperatures of -20°C~80°C. Manufacturing.

2 Normative references

GB/T 191

GB/T 528

GB/T 532

GB/T 699-2015

GB/T 700-2006

GB/T 1690

GB/T 1800.2-2020

GB/T 3098.1-2010

GB/T 3512

GB/T 3852-2017

GB/T 3931

GB/T 4879

GB/T 5782

GB/T 6388

GB/T 11352-2009

GB/T 12458-2017

GB/T 13384

GB/T 15254

GB/T 37400.10-2019

3 Terms and definitions

The terms and definitions defined in GB/T 3931 apply to this document.