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

GB/T 15088-2009

**Road vehicles -- Fifth wheel kingpins -- Strength test
(English Translation)**

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Foreword

This standard is identical to ISO 8716:2001 Road vehicles - Fifth wheel kingpins - Strength test (English version).

Compared with ISO 8716:2001, this standard has made the following editorial changes:

- The word "this international standard" is changed to "this standard";
- The foreword of this standard is added;
- The foreword of ISO 8716:2001 is deleted.

This standard replaces GB/T 15088-1994 Motor vehicles - Fifth wheel coupling pins - Strength test.

Compared with GB/T 15088-1994, the main differences between this standard and GB/T 15088-1994 are as follows:

- The upper limit of the test frequency is changed from 30 Hz to 25 Hz;
- Figure 1 turns upside down 180°.

This standard was proposed by the National Development and Reform Commission.

This standard is under the jurisdiction of the National Technical Committee of Auto Standardization (SAC/TC114).

Drafting organizations of this standard: Research Institute of Highway Ministry of Transport.

1 Scope

This standard specifies strength test conditions and requirements for 50 and 90 fifth wheel kingpins.

This standard applies to 50 and 90 fifth wheel kingpins that comply with the provisions of GB/T 4606 and GB/T 4607.

2 Normative references

The provisions in the following documents become the provisions of this standard through reference in this standard. For the dated references, the subsequent amendments (excluding corrections) or revisions do not apply to this standard, however, parties who reach an agreement based on this standard are encouraged to study if the latest versions of these documents are applicable. For undated references, the latest edition of the referenced document applies to this standard.

GB/T 3730.2 Road vehicle - Masses - Vocabulary and codes (GB/T 3730.2-1996, idt ISO 1176:1990)

GB/T 4606 Road vehicles - 50 semi-trailer fifth wheel coupling pin - Basic and mounting/interchangeability dimensions (GB/T 4606-2006, ISO 337:1981, IDT)

GB/T 4607 Road vehicles - 90 semi-trailer fifth wheel coupling pin - Basic and mounting/interchangeability dimensions (GB/T 4607-2006, ISO 4086:2001, IDT)

3 Terms and definitions

The terms and definitions specified in GB/T 3730.2 apply to this standard.

4.1 The dynamic strength test specified in this standard is a test that shall be performed

on a test bed.

4.2 The fixing arrangements for the fifth wheel kingpin on the test bed shall be the same

as those for its attachment to the semi-trailer, in accordance with the fifth wheel kingpin manufacturer's fitting instructions.

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