

ICS 43.080.10
CCS T 70



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

GB/T 15087-2009

Replacing GB/T 15087-1994

**Road vehicles -- Drawbar couplings and eyes for hinged
drawbars -- Strength test**

道路车辆 牵引车与牵引杆挂车机械连接装置 强度试验

(English Translation)

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Foreword

This standard is equivalent to using ISO 8718:2001 "Road vehicles - tractor and drawbar trailer Mechanical connections strength test" (English Chinese Version).

This standard and ISO 8718:2001 in comparison, made the following editorial changes.

--- "This International Standard" be replaced by "this standard";

--- Increasing the preface of this standard;

--- Remove ISO 8718:2001 Foreword.

This standard replaces GB/T 15087-1994 "Motor vehicles and trailers mechanical coupling means strength test." this standard and GB/T 15087-1994 comparison, the main differences are as follows.

--- Test frequency capped by 30Hz to 25Hz;

--- Increasing the static test.

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

This standard by the National Automotive Standardization Technical Committee (SAC/TC114) centralized.

This standard was drafted. Ministry of Communications Highway Research Institute.

1 Scope

This standard specifies the tractor traction device and its accompanying 40mm and 50mm drawbar hanging ring strength test conditions and Claim.

NOTE: This standard applies to tractor pulling strength test apparatus. Tractor pulling device complies with ISO 3584, drawbar hanging ring in line with GB/T 4781 and ISO 8755.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 3730.2 mass road vehicles - Vocabulary and codes (GB/T 3730.2-1996, idtISO 1176.1990)

3 Terms and Definitions

Terms and definitions GB/T 3730.2 regulations apply to this standard.

4 General test requirements

4.1

traction device test should be carried out under conditions having the corresponding functions dimensions.

Static and dynamic strength tests 4.2 standards set forth in the test rig.

4.3

traction device is mounted on a test rig targeting should be installed with the traction device manufacturer assembly instructions specified in the tractor Targeting consistent.

4.4

tractor hitch and drawbar hanging ring should be tested separately or jointly.

4.5

test site according to the requirements and testing specified by the manufacturer, enables traction device does not work in a flexible means test.

4.6

means that the flexible force over the General Assembly to accelerate the trial process, the flexible mechanism should be replaced during dynamic testing.

5 to determine the level of load A horizontal load is equivalent according to the tractor and drawbar longitudinal force calculation result between the trailer determined in units of kN, its value according to formula (1).

· M1 R

M1 m1 R T +

Where.

M1 T --- tractor maximum total weight, with a traction device unit tonnes (t);

M1 R --- drawbar trailer maximum total weight, tonnes (t);

6 Dynamic test

Applying a test load of 6.1

6.1.1

The test load is applied to the horizontal F_t , for actual load under simulated driving conditions.

GB/T 15087-2009/ISO 8718:2001