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

GB/T 5182-2008

Replacing GB/T 5182-1996

**Fork-lift trucks -- Fork arms -- Technical characteristics and
testing**

叉车 货叉 技术要求和试验方法

(English Translation)

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Foreword

This standard is identical with ISO 2330:2002 "forks technical requirements and test methods" (in English).

This standard is equivalent translation ISO 2330:2002.

For ease of use, this standard made the following editorial changes.

- "This International Standard" be replaced by "this standard";
- "." --- With a decimal point instead of a comma as the decimal point, "";
- Delete foreword international standards;
- To ISO 2330:2002 in reference to other international standards, with the international standard has been adopted as a standard in place of the corresponding;
- 5.1 to remove the "load center is not more than 4000kg x 600mm" statements;
- 6.2 to remove the "load center 5500kg x 600mm" statements;
- 6.1.2, with the "q" instead of "Q".

This standard replaces GB/T 5182-1996 "forks technical requirements and testing."
Compared with GB/T 5182-1996 Main Changes are as follows.

- Chapter 1, an increase of various forms of solid section to install specific types of forks, including hook, sleeve-type or pin type, bolts Connection type and roller type fork;
- The standard Chapter 2, with the GB/T 229 instead of the original standard ISO 148. 1983;
- The standard 6.1.1, 6.1.2 and 6.2 in a single rated value divided by weight of the original standard "5000kg" to "5500kg";

--- 6.1.2, with the "q" instead of "Q";

--- Standard "Note 1" to this standard in Chapter 9 of the original terms of Chapter 9.

The standard proposed by China Machinery Industry Federation.

This standard is under the jurisdiction of Beijing Materials Handling Research Institute.

1 Scope

This standard specifies the production of various types of solid section installed fork manufacturing, testing and marking requirements. These include fork but not limited to hook-type, shaft type or pin type, bolted type and roller type fork.

By fork manufacturers and users agreed that these requirements also apply to non-production of forks.

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 229 metal Charpy pendulum impact test method (GB/T 229-2007, ISO 148-1:2006, MOD) GB/T 5140 trucks hook type fork term (GB/T 5140-2005, ISO 2331. 1974, IDT) GB/T 5184-2008 trucks - Hook - on type fork and fork frame dimensions (ISO 2328:2007, IDT) ISO 683-1. 1987 heat-treated steels, alloy steels and free cutting steels - Part 1. in accordance with different shaped black steel work hardening of the non-direct Alloy steel and low-alloy forged steel

3 Terms and Definitions

GB/T 5140 and established the following terms and definitions apply to this standard.

New cross-section of the horizontal section in any combination, the new cross-section of the vertical section, new materials, new root hook or a new fork structure, ready for use as production Fork.

Manufacturing 4

Fork should manufacture solid cross-section material.

5 Test

5.1

Fork samples should yield trials conducted in Chapter 6 and Chapter 7 of the impact test and meet their test requirements.

Single nominal weight of not more than 4000kg forks samples should be Chapter 8, fatigue tests, and meet their test requirements.

5.2

by fork manufacturers and users agreed, mass production can be regularly fork Chapters 6 and 7 of the test.

6.1 Test load

FT test load its nominal weight C three times.

FT test load for the rated capacity C (in kilograms) multiplied by a safety factor of R, R value calculated and $R \geq 2.5$.

GB/T 5182-2008/ISO 2330:2002