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

GB/T 6104.2-2022

**Industrial trucks - Vocabulary - Part 2: Fork arms and
attachments**

工业车辆 术语 第2部分：货叉和属具

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Foreword

This document was issued on 30 December 2022 by the State Administration for Market Regulation; Standardization Administration of the PRC and takes effect on 30 December 2022.

It is a GB/T standard: recommended rather than compulsory, but it is the text a Chinese reviewer applies when assessing a submission.

It is classified under ICS 53.060, Chinese classification J83.

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 is Part 2 of GB/T 6104 "Terms for Industrial Vehicles". GB/T 6104 has issued the following parts.

- Part 1. Types of industrial vehicles;
- Part 2. Forks and attachments.

This document is equivalent to ISO 5053-2:2019 "Terms for Industrial Vehicles Part 2. Forks and Attachments".

Please note that some contents of this document may refer to patents. The issuing agency of this document assumes no responsibility for identifying patents.

This document is proposed by China Machinery Industry Federation.

This document is under the jurisdiction of the National Industrial Vehicle Standardization Technical Committee (SAC/TC332).

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Introduction

Forks and attachments have unique structures and special functions, which are good tools for multi-purpose forklifts. With the continuous development of the logistics industry

With the development, forks and attachments have been widely popularized. The formulation of this document is conducive to the integration of my country's fork and attachment products with international standards, and promotes my country's

Technological exchanges with countries around the world and the promotion of international trade reduce the occurrence of ambiguity.

GB/T 6104 aims to establish and standardize the terms and definitions in the field of industrial vehicles. GB/T 6104 is proposed to consist of four parts.

- Part 1.Types of industrial vehicles;
- Part 2.Forks and attachments;
- Part 3.Accessories and components;
- Part 4.Operational and descriptive terms.

This document deals only with terms and definitions for industrial vehicle forks and attachments.

Industrial vehicle terminology part 2. forks and attachments

1 Scope

GB/T 6104.2-2022 defines the vocabulary of forks and attachments for industrial trucks. A forklift is rarely used as it left the factory: the forks are replaced with longer or thicker ones, or the carriage takes a clamp, a rotator, a side shift, a push-pull or a drum handler. Each attachment changes the truck's capacity, because it adds weight ahead of the front axle and moves the load centre forward - the rated capacity on the plate no longer applies, and the derated figure has to be calculated. That calculation, and the purchase specification behind it, rests on unambiguous terms for the parts involved and for the reference points the geometry is measured from. This part defines the terms for fork arms and load handling

attachments. It states explicitly that it does not specify safety requirements for them, which are covered elsewhere - its job is the language those requirements are written in. Under ICS 53.060 and CCS J83, it is written for truck and attachment manufacturers, for dealers and fleet operators specifying equipment, and for the inspection bodies that verify capacity plates.

This document defines the terms fork and load handling equipment.

This document does not specify safety requirements for forks and load handling equipment.

The term "attachment" in this document describes a device mounted on an industrial vehicle that allows the lifting system to be used in other ways.

Note. This document does not give any advice on which attachment is suitable for which load.

2 Normative references

This document has no normative references.

3 Terms and Definitions

The following terms and definitions apply to this document.

Note. Since there are differences among various types of attachments and new product combinations are constantly being developed, it is impossible to explain all the differences of each type of attachments.

Typical differences thereof are therefore defined, illustrated and/or described.

3.1

Fork fork arm

The horizontal section is cantilevered from the vertical section, which provides the means of mounting on the fork frame (such as bolt type, shaft mount type, hook type). usually safe

Two or more forks are used for handling loads (eg pallet loads).

Note. See Figure 1.

Figure 1 fork

3.2

detachable attachment removeableattachment

Attachment installed by the user or the manufacturer on the fork frame or fork of an industrial vehicle to allow another way to use the lifting system and

Can be restored to standard configuration. Installation or removal of such attachments does

not require disassembly of any part of the hoisting system.

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