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

GB/T 5184-2016

Replacing GB/T 5184-2008

**Fork-lift trucks -- Hook-on type fork arms and fork arm
carriages -- Mounting dimensions**

叉车 挂钩型货叉和货叉架 安装尺寸

(English Translation)

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Foreword

This standard is drafted in accordance with the rules given in GB/T 1.1-2009.

The standard instead of GB/T 5184-2008 "forklift hook fork and fork fork installation size", and GB/T 5184-2008 phase the main technical changes are as follows.

--- increase the lower beam on the loading and unloading slot for the optional parts, and the lower loading and unloading tank should be deeper than the k2 3mm requirements (see 4.1);

--- modified the requirements of the loading and unloading of the lower beam, stressed that the use of eccentric loading and unloading tank alone should have warning content (see 4.3, 2008 version of the 4.3);

- the dimensions of the partial tolerance values in Figures 2 and 3 are modified (see Figures 2, 3 of Figures 2, 3 and 2008);

- modify the range of values for the lower hooks in Table 1 (see Table 1, Table 8, Table 1).

This standard uses the translation method equivalent to ISO 2328.:2011 "forklift hook type fork and fork frame installation size".

And the normative reference in this standard international documents are consistent with the relationship between China's documents are as follows.

GB/T 5140-2005 Forklift hook type fork term (ISO 2331. 1974, IDT) - GB 10827.1-2014 Safety requirements and verification of industrial vehicles - Part 1. Self-propelled industrial vehicles (except unmanned vehicles (ISO 3691-1.:2011, IDT), telescopic forklift and carrier this standard has made the following editorial changes.

--- According to the requirements of China's mechanical drawing standards, Figure 1,

Figure 2 and Figure 3 were modified;

--- Corrected the printing errors in Table 2 "Loading and unloading slot offset size w".

This standard is proposed by the China Machinery Industry Federation.

This standard by the National Industrial Vehicle Standardization Technical Committee (SAC/TC332) centralized.

The standard responsible for the drafting unit. Hang fork Group Co., Ltd., Beijing lifting transport machinery design and research institute, the national lifting transport machinery Quality Supervision and Inspection Center.

This standard participates in the drafting unit. Anhui Heli Co., Ltd., Linde (China) Forklift Co., Ltd., Shandong Shantui Machinery Co., Ltd., Ningbo Ruyi Co., Ltd.

1 Scope

This standard specifies the installation dimensions and additional requirements for forklift hooks and forklifts so that the forks and/or other change. These dimensions and requirements relate to the rated weight of the forklift (not more than 10,999 kg) and the type of fork.

2 Normative reference documents

The following documents are indispensable for the application of this document. For dated references, only the dated edition applies to this article Pieces. For undated references, the latest edition (including all modifications) applies to this document.

ISO 2331 Forklifttrucks-Hook-ontypeforkarms-Vocabulary ISO 3691-1 Industrial vehicles - Safety requirements and verification - Part 1. Self - propelled industrial vehicles (except unmanned vehicles, telescopic arms Forklift and carrier)
(Industrialtrucks-Safetyrequirementsandverification-Part 1. Self-propeledin-dustrialtrucks, otherthandriverlesstrucks, variable-reachtrucksandburden-carriertrucks)

3 Terms and definitions

The terms and definitions defined in ISO 2331 and ISO 3691-1 apply to this document.

4.1 Size

The fork is fitted with a fork for the A-type (low) and B-type (high) fork (the type of fork is determined by the position of the lower hook) the dimensions shall be in accordance with the requirements of Figures 1, 2 and 3 and Table 1 and Table 2, respectively. The loading and unloading slots on the lower beam are optional and should meet the requirements of 4.3 begging. The fork locating slots shall be distributed at the appropriate spacing on the

crossbar of the fork in accordance with the dimensions specified in Table 2. In order to locate the tool, A positioning groove shall be provided at the upper edge of the crossbar center line on the fork. However, when the accident is to fall off, the lower part will be loaded and unloaded when the groove is eccentric, the groove should be offset from the centerline of the yard (see Figure 1); the lower loading and unloading slot should be further deepened than k2 (see Figure 3) 3mm, in order to facilitate the installation of fork and other accessories.

4.2 Stopper

In order to prevent the fork from falling off the end of the fork, it shall be provided with a stop. If these stops are not permanently fixed, such as welding the instruction manual should contain the "if the block is not properly in place, the forklift should be prohibited" warning.

4.3 Loading and unloading slots on the lower beam

If the fork in the fork on the lower edge of the fork, then the location of the fork loading and unloading slot should be shown in Figure 3, Figure 3, view XX as an optional structure. If the arrangement of the upper and lower tiles on the yard may cause the fork or other restorations to fall off from the beam, Other measures (such as mechanical devices) prevent this from happening.

If the eccentric loading and unloading tank is used as a method to prevent accidental shedding of the fork, the following precaution should be included in the instruction manual content.