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WB/T 1043-2012

Category and code of racks

(English Translation)

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for Standardization Work Part 1: Structure and Drafting Rules of Standardization Documents" Drafting.

This document replaces WB/T 1043-2012 "Shelf Classification and Code". Compared with WB/T 1043-2012, except for editorial changes, the main technical changes are as follows.

---The standard "Scope" has been changed, and the limitation of "Excluding Automated Warehouse Shelves" has been deleted;

--- Deleted the relevant provisions of "Classification by the connection form between the rack system components" (see 3.2 in the 2012 edition);

--- Deleted the relevant provisions of "classification by the working height of the shelf system" (see 3.5 in the 2012 edition);

--- Deleted the English explanation in "Classification by shelf function" (see 3.6 in the 2012 edition);

---Changed the specific description of various types of shelves in the classification by function (see 4.4.1~4.4.7 and 4.4.9, 2012 version 3.6.1~ 3.6.7 and 3.6.9);

---Added the relevant content of "shuttle rack" (see 4.4.12);

---Added the relevant content of "Automated Stereoscopic Warehouse Shelves" (see 4.4.13);

---Added the relevant content of "Classification by shelf use environment" (see 4.5);

---Changed the list type of "Table 1 Classification Code of Shelves", and added "Shuttle Shelves" and "Automated Warehouse Shelves" the name and code (see Table 1, Table 1 of the 2012 edition);

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--- Delete the relevant content of "performance parameter representation" (see 4.2 of the 2012 edition);

--- Changed the "representation of shelves", and added "use environment" in the naming principle (see 5.2, 4.3 in the 2012 edition);

---Changed the "classification representation" of the shelf, and presented it in the form of a table, in accordance with the shelf representation method in each shelf example and After the description, the indication of the use environment has been added (see 5.3, 4.4 in the 2012 edition);

---Added the expression methods and examples of "shuttle rack" and "automated warehouse rack" (see 5.3).

1 Scope

This document specifies the classification of storage shelves and specifies its code according to the functional classification.

This document is applicable to assembled steel structure shelves used in various storages made of cold-formed steel or hot-rolled steel.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

There are no terms and definitions that need to be defined in this document.

4.1.1 Fixed shelves

A shelf that is fixed to the ground as a whole.

4.1.2 Mobile rack

A shelf whose main body is movable relative to the ground.

4.2 Classification according to the connection form of the shelf and the warehouse building structure

4.2.1 Separated racks for warehouse racks

A fixed type shelf where the steel structure components that make up the shelf are separated from the building.

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4.2.2 Warehouse rack integrated rack

The steel structure that composes the shelf doubles as the shelf of the building's load-bearing structural component.

4.3 Classification by loading unit load

4.3.1
Light-duty racks. each layer of the loading unit usually carries less than 150kg.

4.3.2
Medium-sized racks. each layer of the loading unit usually carries 150kg~500kg.

4.3.3
Heavy-duty racks. each layer of the loading unit usually carries more than 500kg.

4.4.1 Pallet racks

A shelf where goods are stored with pallets as the loading unit.

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