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WB/T 1042-2021

Terms of rack

(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 1042-2012 "Shelf Terminology". Compared with WB/T 1042-2012, except for editorial changes, the main technical the technical changes are as follows.

---Changed the definition of the term "shelf" (see 3.1, 3.1 in the 2012 edition);

---Changed the definition of "platoon" (see 3.3, 3.4 in the 2012 edition);

---Change the definition of "laneway" (see 3.2, 3.5 in 2012 edition);

---Change the definition of "column" (see 3.4, 3.6 in the 2012 edition);

---Change the definition of "cargo format" (see 3.6, 3.8 in the 2012 edition);

---Added the term and definition of "unit shelf" (see 3.7);

---Change the definition of "location" (see 3.8, 3.9 in the 2012 edition);

---Changed the definition of "digits of incoming goods" (see 3.10, 3.11 in the 2012 edition);

---Changed the definition of "total cargo digits" (see 3.11, 3.12 in the 2012 edition);

---Change the term "height" to "shelf height" (see 3.15, 3.18 in the 2012 edition);

---Change the term "full height" to "total height of loading" (see 3.16, 3.19 in the 2012 edition);

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---Change the term "top height" to "top height" (see 3.17, 2012 version 3.20);

---Change the term "lowest floor height" to "bottom height" (see 3.18, 3.21 of the 2012 edition);

---Change the term "lowest headroom height" to "bottom headroom height" (see 3.19, 3.22 in 2012 edition);

---Change the term "span" to "cargo width" (see 3.21, 3.16 in the 2012 edition);

---Change the term "effective width" to "effective cargo width" (see 3.22, 2012 version 3.23);

---Change the term "unit loading clearance" to "loading unit horizontal clearance", and change the definition content (see 3.23, 2012 edition 3.24);

---Change the term "height loading clearance" to "loading unit vertical clearance", and change the definition content (see 3.24, 2012 edition 3.25);

---Changed the definition of the term "pallet rack" (see 4.1, 4.1 in the 2012 edition);

---Change the term "shelf shelf" to "shelf shelf", and change the definition content (see 4.2, 2012 edition 4.2);

---Changed the definitions of "light shelf shelf", "medium shelf shelf" and "heavy shelf shelf" (see 4.2.1, 4.2.2, 4.2.3, 2012 version 4.2.1, 4.2.2, 4.2.3);

---Added the terms and definitions of "shuttle rack", "stacker rack", "storage rack integrated rack" and other terms and definitions (see 4.12~4.15);

---Changed the definition of the term "post piece" (see 5.4, 2012 edition of 5.4);

---Changed the definition of the term "beam" (see 5.5, 5.5 in the 2012 edition);

---Added the terms and definitions of "column card" and "column foot" (see 5.6, 5.11);

---Changed the definition of the term "walking guide" (see 5.13, 5.11 in the 2012 edition);

---Added the term and definition of "guide guard rail" (see 5.14);

---Change the definition of the term "guardrail" (see 6.7, 2012 edition of 6.7);

---Added the terms and definitions of "spacing" and "gantry beam" (see 6.11, 6.12);

--- The term "unit carrying capacity" was changed to "cargo compartment carrying capacity", and the definition was changed (see 7.3, 2012 edition of 7.3).

1 Scope

This document defines the basic terminology, basic type terms, main component terms, auxiliary component terms, carrying capacity and loading Quality term.

This document is applicable to various assembled steel structure shelves used in various

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storage industries.

2 Normative references

The contents of the following documents constitute the indispensable clauses of this document through normative references in the text. Among them, dated quotations Only the version corresponding to that date is applicable to this document; for undated reference documents, the latest version (including all amendments) is applicable to this document.

GB/T 18354 Logistics Terminology GB 50017-2003 Steel structure design code

3 Basic terms

Rack

A steel structure storage facility assembled from structural parts such as columns and beams.

[Source. GB/T 18354-2006, 4.39, with modification] 3.1.1 Weldedrack Shelves made of integrally welded load-bearing components such as columns and beams.

3.1.2

Assembled shelf assembledrack it is a repeatable detachable shelf composed of uprights, beams and other load-bearing components.

Roadway aisle

The channel between adjacent rack structures is used for storage of forklifts and other handling equipment.

Row

The shelf counting unit perpendicular to the direction of the shelf aisle. see picture 1.

Column file

The shelf counting unit along the direction of the shelf aisle. see picture 1.

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