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GB/T 3716-2023

Pallets for materials handling - Vocabulary

托盘术语

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Foreword

This document complies with the provisions of GB/T 1:1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents" Drafting: This document replaces GB/T 3716-2000 "Pallet Terminology": Compared with GB/T 3716-2000, except for structural adjustments and editorial changes In addition, the main technical changes are as follows:

- a) The expressions of terms and definitions of rated load and payload have been changed (see 3:2, 3:8, 2:2, B3 of the:2000 edition), and the collection of Medium load, uniform load, embossed load, rigid load, maximum working load, safety factor, stiffness, test load, ultimate load Terms and definitions of load and failure (see 3:3, 3:4, 3:5, 3:6, 3:7, 3:9, 3:10, 3:11, 3:12, 3:13);
- b) Changed the terms and definitions of single-sided pallets, shelves, pallets with fork grooves on the longitudinal beams, pallets with overlapping longitudinal beam plates, and pallets with arbitrary forks: description (see 4:2, 4:3, 4:10, 4:11, 4:12, 3:1, B2, 3:5:1, 3:5:2, 3:6 of the:2000 edition), adding flat pallets, embedded Terms and definitions for nested pallets, asymmetrical pallets, wing pallets, single-sided wing pallets, double-sided wing pallets, repair pallets, restructured pallets (See 4:1, 4:15, 4:16, 4:17, 4:18, 4:19, 4:20, 4:21);
- c) Changed the expressions of terms and definitions of box pallets and cylinder pallets (see 5:2:1, 5:2:7, 4:2, 4:2:6 of the:2000 edition);
- d) The terms and definitions of hoardings and pallet conversion devices have been changed (see 6:1 and 6:2, 5:1 and 5:2 of the:2000 edition);
- e) The terms and definitions of top decking, top decking assembly, bottom decking, horizontal decking edge, center decking group, cup leg, and conical leg have been

changed: Expression of meaning (see 7:1:2, 7:1:3, 7:1:4, 7:2:2, 7:6:9, 7:8:3, 7:8:5, 6:1, 6:1:1, 6:2, 6:4 of the:2000 edition, 6:9:4, 6:13:1, 6:13:2:1), added paving, vertical board edge, baffle, fork groove length, fork groove positioning, fork groove depth, fork groove circle Corner radius, center pad, side intermediate pad, corner pad, end intermediate pad, upper positioning component, ribs, grid structure Terms and definitions (see 7:1:1, 7:2:3, 7:2:4, 7:6:3, 7:6:4, 7:6:5, 7:6:6, 7:7:2, 7:7:3, 7:7:4, 7:7:5, 7:8 :1, 7:9:1, 7:9:2);

f) Changed the expressions of terms and definitions of nails, bent nails, spiral-threaded nails, twist nails and screws (see 9:1:1, 9:1:3, 9:1:5, 9:1:9, 9:2:3,:2000 version 8:1, 8:1:1, 8:1:2:1, 8:1:4, 8:3), adding polished nails, coiled nails, grooved nails, and metal connections Terms and definitions for plates and snap joints (see 9:1:2, 9:1:10, 9:1:11, 9:2:8, 9:2:9);

g) Changed the expression of terms and definitions of disposable pallets, reusable pallets, self-use pallets, exchangeable pallets, and shared pallets (See 10:1, 10:2, 10:3, 10:4, 10:5, 9:1, 9:2, 9:3, 9:4, 9:4:1 of the:2000 edition), added the terminology and Definition (see 10:6);

h) Changed the expression of terms and definitions of length, width and height (see 11:2:1, 11:2:2, 11:2:3 and 11:3:3,:2000 edition 10:1:1, 10:1:2, 10:1:3 and 10:2:3), the terms and definitions of pallet size, end face and side are added (see 11:1, 11:2:4, 11:2:5);

i) Changed the nature of Appendix A (see Appendix A, Appendix B of the:2000 version);

j) The expressions of the terms and definitions of unit cargo, block stacking, stacking height, partitions, shrink film, and stretch film have been changed (see A:1:1, A:2:3, A:2:4, A:4:1, A:4:2, A:4:3, B1, B6, B5, B8, B9, B10 of the:2000 edition), adding stacking and heaping Stacking width, stacking depth, vertical stacking ratio, holding height ratio, upper rack, rack along the long side, rack along the wide side, strapping tape, anti-slip pad, anti-skid Terms and definitions of slip tape (see A:2:2, A:2:5, A:2:6, A:2:7, A:2:8, A:3:1, A:3:2, A:3:3, A:4:4, A:4:5, A:4:6), the terms and definitions of block dense stacking, collapsible, foldable, and settable are deleted (see B7 of the:2000 edition, B11, B12, B13);

k) Changed the terminology of disposable skateboard pallet, loading surface, recyclable skateboard pallet, reusable skateboard pallet, skateboard pallet and expression of definitions (see B:5, B:9, B:14, B:15, B:17, A3:1, A2:1, A3:3, A3:2, A1:1 of the:2000 edition), Increase Corrugated cardboard, transverse direction, skateboard pallet depth, front, skateboard pallet length, longitudinal direction, maximum load weight, nominal size, skateboard pallet Terms and definitions for plate thickness, slide plate pallet width, wing width, and ultimate tensile strength (see B:2, B:3, B:4, B:6, B:8, B:10, B:11, B:12, B:19, B:20, B:21, B:22), delete the single-wing skateboard, opposite-side double-wing skateboard, and adjacent-side double-wing skateboard: Terms and definitions of board, three-wing skateboard, four-wing skateboard, thickened wing board (see A1:2, A1:3, A1:4, A1:5 of the:2000 edition, A1:6, A2:3:1): This document is equivalent to ISO 445:2013 "Terminology for Material Handling Pallets": This document adds Chapter 2 "Normative

Reference Documents": This document has made the following minimal editorial changes:

---In order to coordinate with the existing standards, the standard name is modified to "Pallet Terminology";

---Added notes for 3:1, 4:2, and 4:20;

1 Scope

GB/T 3716-2023 is the Chinese vocabulary of pallets. The pallet is the unit in which nearly all freight moves, and the terminology matters commercially: a pool operator, a shipper and a customs authority have to mean the same thing by a four-way entry, a reversible pallet, a stringer and a deckboard, and the pallet exchange systems that underpin Chinese logistics depend on describing a pallet precisely enough to swap it for another. The standard defines the general terms, the terms for flat pallets, for pallets with superstructure, for the upper members of a pallet and for its mechanical fasteners, with a normative annex on unit load handling terminology and an informative annex on slip sheet terminology. It replaces GB/T 3716-2000 and took effect on 27 November 2023.

This document defines general terms related to pallets for unit load material handling and defines flat pallets, pallets with upper members, pallet tops Components, pallet components and features, pallet accessories, mechanical fasteners, pallet usage, pallet size terms and their definitions: This document applies to the application of terminology in pallets and related fields:

2 Normative reference documents

This document has no normative references:

3 Common terms

3:1 pallet pallet A kind of equipment used to assemble, carry, store, load and unload, stack, transport or display goods and loads: The minimum height meets the requirements of pallet trucks, forklifts and Other horizontal rigid boards suitable for handling requirements of loading and unloading equipment: see picture 1:

Note 1: The pallet may be provided with or equipped with upper members:

Note 2: The terminology of unit cargo handling is defined in Appendix A, and the terminology of sliding pallets is defined in Appendix B: Figure

1 Pallet 3:2 nominal load The minimum safe load value under specific support conditions regardless of the type of load (excluding concentrated loads):

Note 1: "Specific support conditions" refers to the range of service conditions specified in 7:1 of ISO 8611-2:2011:

Note 2: The rated load is used to compare the performance of different pallets and does not represent the actual payload of the pallet in use:

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