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

GB/T 2934-2007

**General-purpose flat pallets for through transit of goods --
Principal dimensions and tolerances
(English Translation)**

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1 Scope

This Standard specifies the plan sizes and tolerances, and other principal dimensions and tolerances of the general-purpose flat pallets for through transit of goods.

This Standard applies to the general-purpose flat pallets for through transit of goods in highways, railways, and waterways.

2 Normative references

The provisions in the following documents become the provisions of this

Standard through reference in this Standard. For dated references, the subsequent amendments (excluding corrections) or revisions do not apply to this Standard. However, parties who reach an agreement based on this

Standard are encouraged to study if the latest editions of these documents are applicable. For undated references, the latest editions apply to this

Standard.

GB/T 3716-2000 Pallets for materials handling - Vocabulary

GB/T 18354 Logistics terms

3 Terms and definitions

The terms and definitions established in GB/T 3716-2000 and GB/T 18354 and the following ones are applicable to this Standard.

3.1 Pallet plan size

Nominal plan view dimensions of pallet length and pallet width.

3.2 Length

Deck dimension in the direction of stringers or stringer-boards.

NOTE 1: If these members are not present, the length is the longer deck dimension.

NOTE 2: Pallet length is expressed first, followed by pallet width.

[GB/T 3716-2000, definition 10.1.1]

3.3 Width

Deck dimension at right angles to the length.

[GB/T 3716-2000, definition 10.1.2]

3.4 End

Vertical face of the pallet which corresponds to the width.

3.5 Side

Vertical face of the pallet which corresponds to the length.

3.6 Four-way pallet

Pallet permitting the entry of the fork arms of fork-lift trucks, pallet trucks and pallet stackers from all four directions.

[GB/T 3716-2000, definition 3.4]

3.7 Two-way pallet

Pallet permitting the entry of the fork arms of fork-lift trucks, pallet trucks and pallet stackers from two opposite directions only.

[GB/T 3716-2000, definition 3.3]

3.8 Partial four-way pallet

Pallet permitting four-way entry of the fork arms of fork-lift trucks and two-way entry of the fork arms of pallet trucks and pallet stackers.

[GB/T 3716-2000, definition 3.5]

4.1 Plan sizes

The pallet plan sizes are shown in Table 1.

NOTE: The dimension L3 of partial four-way pallets for fork-lift trucks may be up to 200mm.

Figure 3 -- Horizontal dimensions of entries and openings for side entry into partial four-way pallets

5.3 Dimensions of bottom deck chamfers

Dimensions of bottom deck chamfers, where required for ease of handling with pallet trucks, shall be as follows:

- a) the chamfer face shall be $40^{\circ} \pm 5^{\circ}$ from the horizontal;
- b) the height of the vertical face of the chamfered member shall not exceed 16mm;
- c) the maximum distance from the end of the chamfers to deck separating members shall be 65mm.

5.4 Dimensions of pallet deck projections

Projections of pallets up to 65mm are known as lips; projections of 65mm or longer are considered as wings.

5.5 Bearing surface of bottom decks

The minimum bearing surface of all pallets shall be 35% of the nominal bottom deck plan dimension (pallet footprint).

5.6 Limits of diagonal distortion

The difference in length between the two diagonals of the pallet plan shall not exceed 1% of the diagonal length.

5.7 Flatness

Vertical deviation from the target horizontal plane of the pallet deck shall not exceed 7mm.

Intentional protrusions in the deck may exceed 7mm.

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