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**General cargo containers for
domestic trade**

ICS 55.180.10

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Reference number : JIS Z 1627 : 1998 (E)

Z 1627 : 1998

Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of International Trade and Industry and Minister of Transportation through deliberations at Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law. Consequently **JIS Z 1627 : 1993** is replaced with **JIS Z 1627 : 1998**.

In this revision, conforming to the contents of **JIS Z 1610 Freight containers for domestic trade—External dimensions and common specifications**, revised in 1997, the construction, internal dimensions, door opening dimensions and testing method of general cargo containers for domestic trade were revised to be suitable for the intermodal transportation.

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In the event of any doubts arising as to the contents,
the original JIS is to be the final authority.

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General cargo containers for domestic trade

Introduction This Japanese Industrial Standard developed for the purpose of the cargo containers for domestic trade has no direct relation with the International Standard specifying the cargo containers for international trade. However, the same external dimensions as in the International Standards are provided in **JIS Z 1610 : 1997** *Freight containers for domestic trade—External dimensions and common specifications* which contains the provisions constituting the provisions of this Standard, so the contents of this Standard, though it is for domestic use, were revised in accordance with the International Standards as far as possible referring to the following International Standards:

ISO 668 : 1995 *Series 1 freight containers—Classification, dimensions and ratings*

ISO 830 : 1981 *Freight containers—Terminology (Trilingual edition)*
Amendment 1 : 1984 (Trilingual edition)
Amendment 2 : 1988 (Trilingual edition)

ISO 1496-1 : 1990 *Series 1 freight containers—Specification and testing—Part 1 : General cargo containers for general purposes*

1 Scope This Japanese Industrial Standard specifies the construction and test method of the general cargo containers for domestic trade (hereafter referred to as “containers”) used for intermodal transportation (cargo truck, freight-train car and ship including interchange between these forms of transport) for the purpose of domestic distribution.

Remarks : The units and numerical values given in { } in this Standard are based on the traditional unit system and appended for informative reference.

2 Normative references The following standards contain provisions which, through reference in this Standard, constitute provisions of this Standard. The most recent editions of the standards indicated below shall be applied.

JIS Z 0111 *Glossary of terms for physical distribution*

JIS Z 1610 *Freight containers for domestic trade—External dimensions and common specifications*

JIS Z 1613 *Freight containers for international trade—Terminology*

3 Definitions For the purpose of this Standard, the definitions given in **JIS Z 0111** and **JIS Z 1613** apply.

4 Construction The construction shall be as follows:

- a) The containers shall be of the construction suitable for transportation, handling and storage of cargo, have strength endurable to repeated services, and their water prevention and corrosion prevention shall be carefully considered.

- b) The containers shall be of the construction to prevent rain intrusion and capable of protecting the cargo on board from the outside. The containers may be provided on its upper part with a ventilator equipped with a cover for preventing rain intrusion and the total aperture area of which is smaller than 25 cm² per 1 m of the container length.
- c) The containers shall be provided with doors on the side wall and the rear end wall as specified in Table 1.

The door on the rear end wall shall be 270° openable wholly and the side wall door is allowed to be openable wholly in compliance with its use. In addition, the containers shall be equipped with studs for retaining the door when it is opened.

Table 1 Providing of door

Symbols according to dimensions ⁽¹⁾	Only end part door	Only side part door ⁽²⁾	Both of end part door and side part doors ⁽²⁾
1223, 1233 2023, 2024, 2033, 2034 2423, 2424, 2433, 2434	○	○	○
3023, 3024, 3033, 3034 4024, 4034	○	—	—

Notes (1) The symbols according to dimensions are as specified in **JIS Z 1610**.

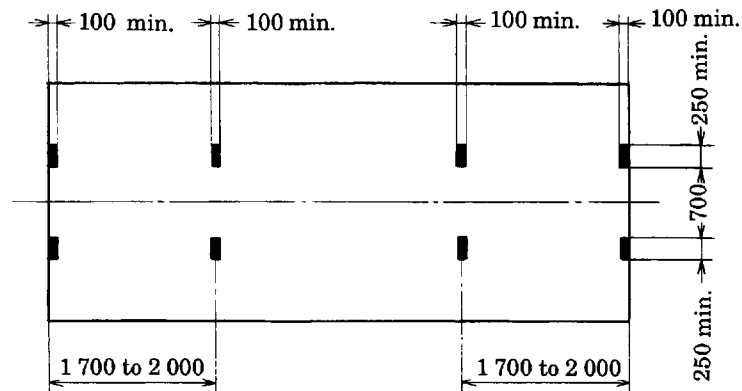
(2) The side part doors may be provided on both sides.

- d) The upper surface of the upper corner fittings shall protrude at least 6 mm above the highest surface of the roof.
- e) The containers shall be so constructed as to be supported only by the lower corner fittings. The lowest part of the floor structure shall not project below the lower corner fittings when the uniformly distributed load equal to the maximum loading mass is applied.

Moreover, it shall not extrude downward exceeding 6 mm from the lower surface of the lower corner fittings when the uniform load equal to the mass obtained by subtracting the self-weight from 1.8 times the maximum gross mass is applied.

- f) The roof of the containers without corner fittings shall be of such construction that the containers of the same type can be safely stacked each other.
- g) The containers of symbols according to dimensions of 2023, 2024, 2033, 2034, 2423, 2424, 2433, 2434, 3023, 3024, 3033, 3034, 4024 and 4034 shall be equipped with load transferring areas on the positions indicated in Figs. 1 to 5 so as to be in contact structurally with a trailer for container, or equipped with floor beams with spacings not more than 1 m as load transferring area. These containers shall be supported even by the load transferring area only, when loaded on the trailer. The load transferring area and the lowest surface of the floor beams shall be positioned at $12.5^{+5.0}_{-1.5}$ mm above that of the lower corner fittings.

Unit : mm



Remarks : ■ marks indicate the load transfer-
ring area (Figs. 1 to 5).

**Fig. 1 Symbols according to dimensions of
2023, 2024, 2033 and 2034**

Unit : mm

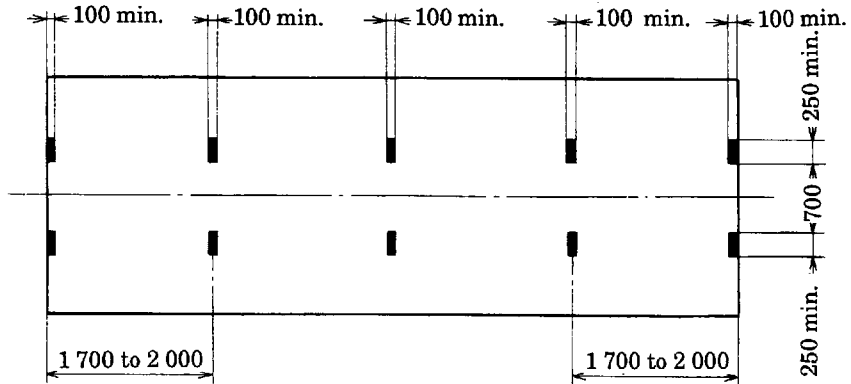


**Fig. 2 Symbols according to dimensions of
2423, 2424, 2433 and 2434**

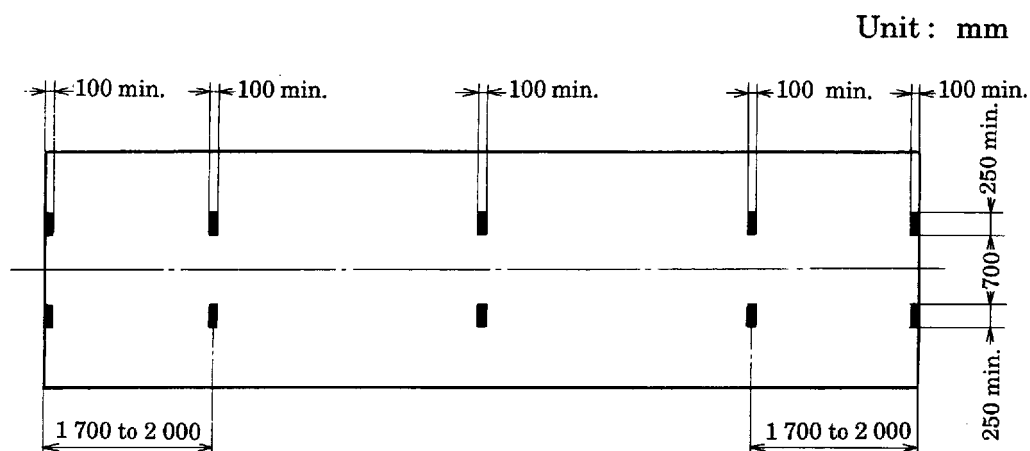


Fig. 3 Symbols according to dimensions of 3023, 3024 and 3034

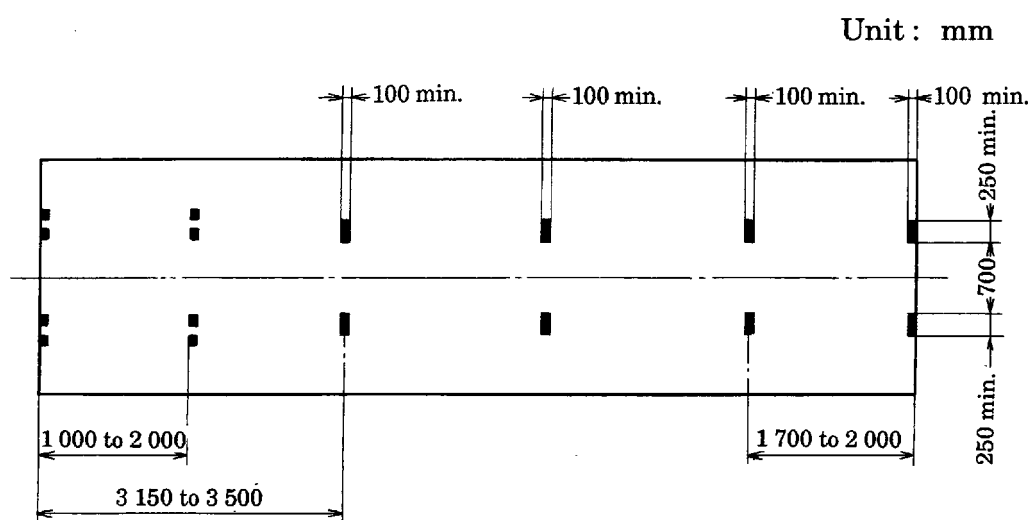


Fig. 4 Symbols according to dimensions of 3023, 3024, 3033 and 3034 with tunnel recess