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

ICS 55.180.10

Descriptors : freight containers, freight transport, home market, dimensions,
profile

Reference number : JIS Z 1610 : 1997 (E)

Z 1610:1997

Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of International Trade and Industry through deliberations at Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law:

Date of Establishment: 1967-06-01

Date of Revision: 1997-12-25

Date of Public Notice in Official Gazette: 1997-12-25

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Divisional Council on Distribution of Goods

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In the event of any doubts arising as to the contents,
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Freight containers for domestic trade — External dimensions and common specifications

1 Scope This Japanese Industrial Standard specifies the external dimensions, the maximum loading mass and common specifications such as fork-pocket, corner fitting, restraint fitting, tunnel recess, etc., required for its treatment, of the cargo containers (hereafter referred to as “containers”) used for multiplex integrated transportation (mutual transport among cargo truck, freight-train car and ship) for the purpose of domestic distribution.

Remarks: The following standards are normative references to this Standard:

JIS Z 0111 *Glossary of terms for physical distribution*

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

JIS Z 1616 *Freight containers for international trade — Corner fittings*

2 Definitions The definitions of main terms used in this Standard shall be in accordance with JIS Z 0111 and JIS Z 1613.

3 Container size classification symbol The container size classification symbol shall be four figures according to its external dimensions, and shall be in accordance with Table 1.

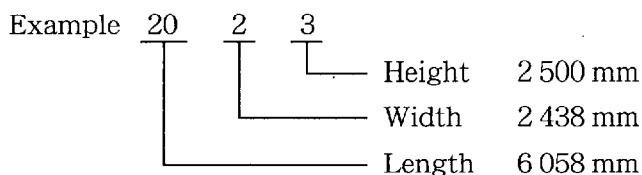


Table 1 The container size classification symbol

XX00	Length of container	12: Length 3 658/3 715 mm 20: Length 6 058 mm 24: Length 7 396 mm 30: Length 9 125 mm 40: Length 12 192 mm
00X0	Width of container	2: Width 2 438 mm 3: Width 2 500 mm
000X	Height of container	3: Height 2 500 mm 4: Height 2 591 mm

4 External dimensions and maximum loading mass The container external dimensions and the maximum loading mass shall be in accordance with Table 2.

Table 2 The container external dimensions and the maximum loading mass

Classification symbol	External dimensions mm			Maximum loading mass kg
	Length	Width	Height	
1223	$3\,658_{-5}^0$ or $3\,715_{-5}^0$	$2\,438_{-5}^0$	$2\,500_{-5}^0$	12 000
1233		$2\,500_{-5}^0$		
2023	$6\,058_{-6}^0$	$2\,438_{-5}^0$	$2\,500_{-5}^0$	24 000
2024			$2\,591_{-5}^0$	
2033		$2\,500_{-5}^0$	$2\,500_{-5}^0$	
2034			$2\,591_{-5}^0$	
2423	$7\,396_{-6}^0$	$2\,438_{-5}^0$	$2\,500_{-5}^0$	24 000
2424			$2\,591_{-5}^0$	
2433		$2\,500_{-5}^0$	$2\,500_{-5}^0$	
2434			$2\,591_{-5}^0$	
3023	$9\,125_{-10}^0$	$2\,438_{-5}^0$	$2\,500_{-5}^0$	24 000
3024			$2\,591_{-5}^0$	
3033		$2\,500_{-5}^0$	$2\,500_{-5}^0$	
3034			$2\,591_{-5}^0$	
4024	$12\,192_{-10}^0$	$2\,438_{-5}^0$	$2\,591_{-5}^0$	24 000
4034		$2\,500_{-5}^0$		

5 Fork-pocket, corner fitting, restraint fitting and tunnel recess The fork-pocket, corner fitting, restraint fitting and tunnel recess shall be as follows:

- (1) The container shall be equipped, as Table 3, by the container size classification symbol, with fork-pocket, corner fitting, restraint fitting and tunnel recess which are required for container handling.

Table 3 Fork-pocket, corner fitting, restraint fitting and tunnel recess

Classification symbol	1223/1233	2023~2034	2423~2434	3023~3034	4024/4034	Remarks
Fork-pocket	○	○ ⁽¹⁾	○ ⁽¹⁾			Refer to Figs. 1 and 2.
Corner fitting	○ ⁽²⁾	○	○	○	○	Refer to Figs. 3 to 7.
Restraint fitting	○ ⁽²⁾					Refer to Figs. 8 and 9.
Tunnel recess				○ ⁽³⁾	○	Refer to Table 4, and Figs. 10 and 11.

Notes ⁽¹⁾ Fork-pocket does not need to be equipped.

⁽²⁾ Either corner fitting or restraint fitting must be equipped.

⁽³⁾ Tunnel recess does not need to be equipped.

(2) Dimensions of each part of the fork-pocket shall follow Figs. 1 and 2.

(3) Corner fitting shall follow **JIS Z 1616**. However, the container external width of which is 2 500 mm shall be equipped with the corner fittings shown in Figs. 3 and 4.

The container with classification symbol 1223 and 1233, and external length of which is 3 715 mm, shall be equipped with the corner fittings shown in Figs. 5 and 6.

Applying of the corner fittings shall follow Fig. 7.

(4) Dimensions of each part of the restraint fitting shall follow Fig. 8. And they shall be provided at lower middle part of both sides, as shown in Fig. 9.

(5) Dimensions of each part of the tunnel recess shall follow Table 4, and Figs. 10 and 11.