

# **RULES FOR THE CONSTRUCTION AND CERTIFICATION OF FREIGHT CONTAINERS**

**Rules for the Construction and Certification of Freight Containers  
2012 AMENDMENT NO.1**

Rule No.34      15th June 2012

Resolved by Technical Committee on 10th February 2012

Approved by Board of Directors on 6th March 2012

**ClassNK**  
NIPPON KAIJI KYOKAI

AMENDMENT TO THE RULES FOR THE CONSTRUCTION AND CERTIFICATION OF FREIGHT CONTAINERS

“Rules for the construction and certification of freight containers” has been partly amended as follows:

**Chapter 5 GENERAL CARGO CONTAINERS**

Table 5.2(b) has been amended as follows.

Table 5.2(b) Test procedures and Measurements (continued) (excerpt)

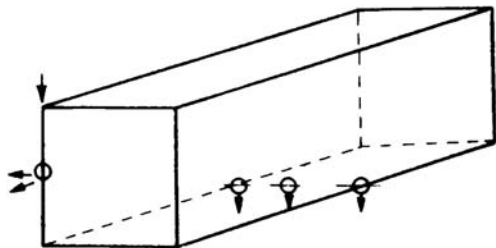
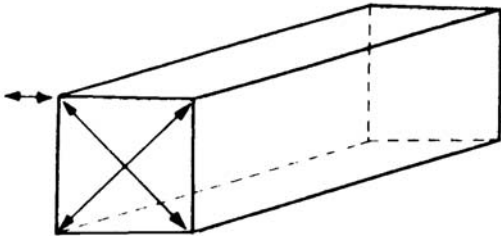
Tests	Procedures and Measurements
Stacking	<p>Procedure: -</p> <p>Internal loading:</p> <p>Applied forces: <math>1.8R-T</math> uniformly distributed over the base.</p> <p>With the container in the normal position supported at the base corner fittings, compressive forces equivalent to <math>2.25R</math> are to be applied to each corner post through rigidly held dummy corner fittings arranged to simulate an overstowed corner base. The test is to be repeated to cover for all positions of offset namely <math>38mm</math> longitudinally and <math>25.4 mm</math> laterally.</p> <p><u>For containers with doors, stacking loads are also to be added under the one door off condition.</u></p>
	<p>Measurement</p> <p>i ) Deflections at lowest point of both side rails and at the longitudinal centre line of the base which may be taken before the application of axial loads.</p> <p>ii) Deflections in two directions at midheight, or other point of maximum deflection of the corner posts.</p> <p>iii) Permanent set remaining on removal of the load.</p> 

Table 5.2(d) has been amended as follows.

Table 5.2(d) Test procedures and Measurements (continued) (excerpt)

Tests	Procedures and Measurements
Transverse Racking	<p>Procedure: -</p> <p>Internal loading: Nil.</p> <p>Applied forces: With the container in the normal position anchored by locking devices through the apertures in the bottom corner fittings, transverse racking forces of 150kN (15000kgf) are to be applied separately or simultaneously to each top corner fitting on one side. Lateral restraint is to be taken up by the anchor devices diagonally opposite to the applied forces. The force (s) shall be applied first towards then away from the container.</p> <p><u>For containers with doors, transverse racking loads are also to be added under the one door off condition.</u></p> <p>Measurement: - Difference in diagonals before, during and after testing.</p> 

## Chapter 9 SAFETY APPROVAL PLATE

Fig. 9.1 and Fig. 9.3 have been amended as follows.

Fig. 9.1 Safety Approval Plate (Type-J)

CSC SAFETY APPROVAL			STAMP
J-NK / / /			
DATE MANUFACTURED			
IDENTIFICASION No.			
MAXIMUM GROSS WEIGHT	kg	lb	
ALLOWABLE STACKING WEIGHT			
FOR 1.8g	kg	lb	
RACKING TEST LOAD VALUE	kg	lb	
<u>ONE DOOR OFF:</u>			
ALLOWABLE STACKING MASS			
FOR 1.8g	kg	lb	
RACKING TEST LOAD VALUE	kg	lb	
FIRST MAINTENANCE EXAMINATION DATE			

Remarks:

(1.to 6. are omitted)

7. For Safety Approval Plates affixed to containers which do not have doors, the indication of "ONE DOOR OFF: ALLOWABLE STACKING MASS FOR 1.8g kg lb RACKING TEST LOAD VALUE kg lb" may be omitted.

Fig. 9.3 Safety Approval Plate (Type-F)

CSC SAFETY APPROVAL		
[1] - NK/[2]		
DATE MANUFACTURED		
IDENTIFICASION No.		
MAXIMUM GROSS WEIGHT	kg	lb
ALLOWABLE STACKING WEIGHT		
FOR 1.8g	kg	lb
RACKING TEST LOAD VALUE	kg	lb
<u>ONE DOOR OFF:</u>		
ALLOWABLE STACKING MASS		
FOR 1.8g	kg	lb
RACKING TEST LOAD VALUE	kg	lb
FIRST MAINTENANCE EXAMINATION DATE		

Remarks:

(1.to 6. are omitted)

7. For Safety Approval Plates affixed to containers which do not have doors, the indication of "ONE DOOR OFF: ALLOWABLE STACKING MASS FOR 1.8g kg lb RACKING TEST LOAD VALUE kg lb" may be omitted.

## EFFECTIVE DATE AND APPLICATION

1. The effective date of the amendments is 1 January 2012.
2. Notwithstanding the amendments to the Rules, the current requirements may apply to freight containers other than those for which the application for survey is submitted to the Society on or after the effective date.