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**Pool pallets—Flat pallets
for through transit**

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Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law. Consequently **JIS Z 0601 : 1990** is replaced with **JIS Z 0601 : 2001**.

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In the event of any doubts arising as to the contents,
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**Pool pallets—
Flat pallets for through transit**

1 Scope This Japanese Industrial Standard specifies the wooden pool pallets and plastic pool pallets (hereafter referred to as “pallet”) used mutually and in common with exchangeability in a wide range of industries and in respective transport facilities.

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 (including amendments) indicated below shall be applied.

- JIS A 5508 *Nails*
- JIS Z 0106 *Glossary of terms relating to pallets*
- JIS Z 0602 *Test methods for flat pallets*
- JIS Z 0604 *Wooden flat pallets*

3 Definitions For the purposes of this Standard the definitions given in **JIS Z 0106** apply.

4 Size, type, classification, symbol and maximum loading mass

4.1 Size, type, classification and symbol The size, type, classification and symbol of pallet are as given in Table 1.

Table 1 Size, type, classification and symbol of pallets

Size (length × width × height) mm	Type	Classification	Symbol
1 100 × 1 100 × 144	Reversible two-way type	Wooden type A	T11W-A
		Wooden type B	T11W-B
	Plastic		T11P

4.2 Maximum loading mass The maximum loading mass of pallet shall be 1 t.

5 Strength The strength of pallet shall conform to the requirements given in Table 2 when tested in accordance with **JIS Z 0602**.

Table 2 Strength reference value

Item		Reference value	
		Wooden	Plastic
Compressive strength	Strain amount mm	2.0 max.	4.0 max.
Bending strength	Deflection rate %	1.25 max.	1.5 max.
	Residual deflection rate %	0.5 max.	0.5 max.
Bottom deck board strength	Deflection rate %	1.0 max.	2.5 max.
Dropping strength	Variation rate of diagonal length %	3.0 max.	1.0 max.

6 Construction and quality The construction and quality of pallets shall be as follows:

- a) pallets are durable against repeated services and free from defects detrimental to use such as unevenness, camber, flaws, cracks, etc.;
- b) pallets are provided with rectangular loading surface and entries as forks and others, and the loading surface is, as a rule, parallel to the ground contacting surface;
- c) the loading surface of pallet is unlikely to cause easy slippage of the load;
- d) four corners of wooden pool pallet are chamfered;
- e) the moisture content in wooden pool pallet is not detrimental to use;
- f) the appearance of wooden pool pallet is as specified in 9.2 of JIS Z 0604;
- g) the joining of the members constituting wooden pool pallet is made using screw nails specified in 6 (3) of JIS Z 0604;
- h) the dimensions of the screw nails used for wooden pool pallet are of at least 65 mm length. The tolerance should be as in the case of the round wire nails specified in JIS A 5508;

For the shell part and head part, the round wire nails specified in JIS A 5508 or the nails of the strength equivalent at least thereto shall be used;

- i) the arrangement of the screw nails in wooden pool pallet is as shown in Fig. 1;
 Besides, the joint part is free from clearance, the head part of screw nails is sunk by approximately 1 mm from the surface of deck board, the distance from the screw nails to the periphery of deck board is, as a rule, at least five times the diameter of shell part and the mutual distances between the nails are at least ten times the shell diameter;
- j) in the case of plastic pool pallet, the pallet and the forks do not cause easy slip-page;
- k) if a space is provided on the loading surface of plastic pool pallet, the shorter side of the space is 50 mm in length at the most.