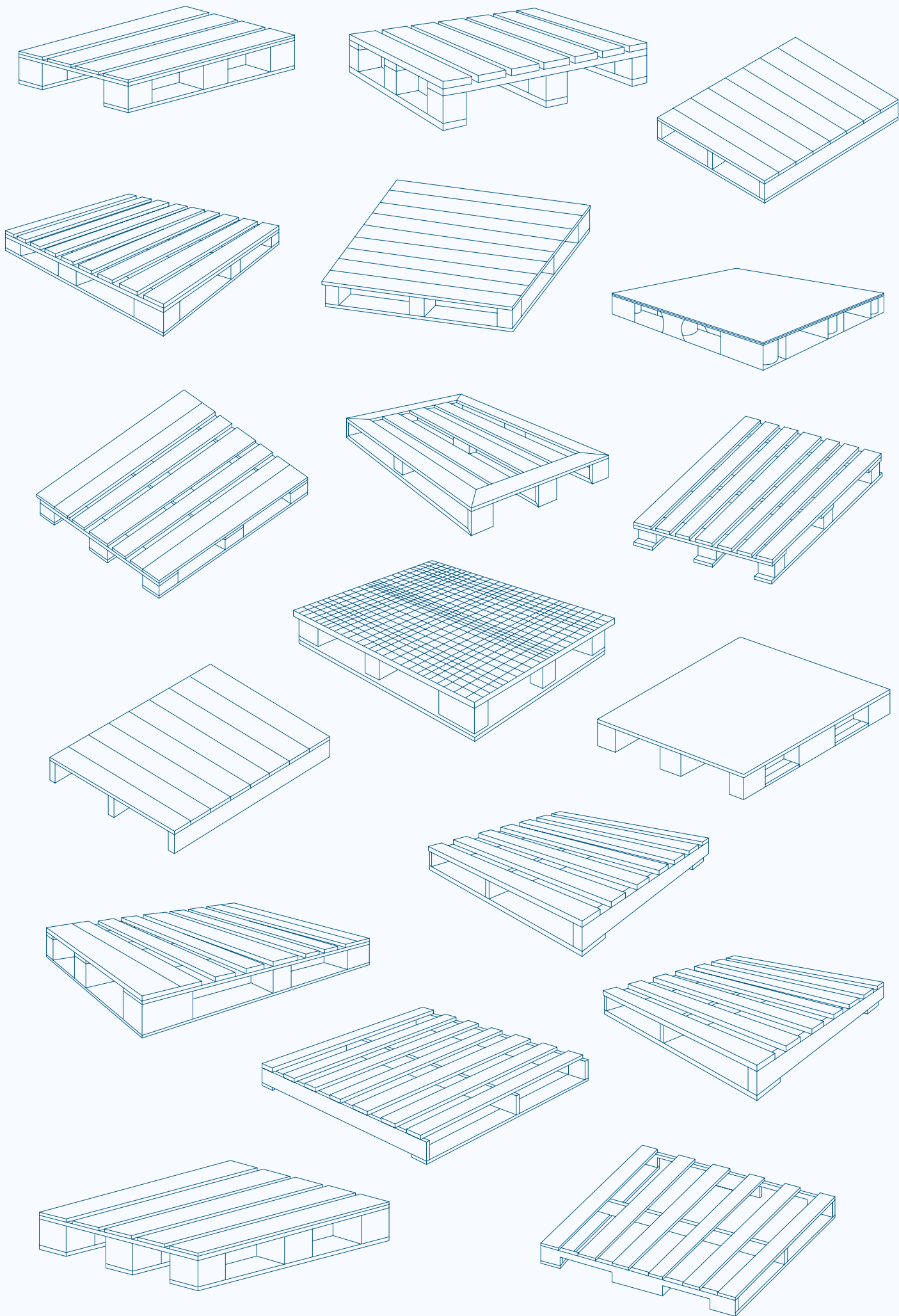


OLICARGO

TRANSPORT & LOGISTICS



TYPES OF PALLETS AND USES



TYPES OF PALLETS AND USES

WHAT TO BEAR IN MIND WHEN CHOOSING THE RIGHT PALLET FOR SHIPPING?

Select the appropriate material for your item

Shipping pallets are available in a variety of types and materials. For instance, wooden pallets are ideal for transporting cartons with textiles (for example), while plastic pallets are preferred by the food and pharmaceutical industries.

Use pallets in good condition

It should not have any cracks, old labels or signs of damage, as long as the pallet is strong enough to be used for transport.

Size matters in the destination country

Pallet dimensions may vary worldwide since they are regulated by different associations. For this reason, a pallet must comply with the standard dimensions in the destination country in order to avoid the need for special handling equipment when arriving.

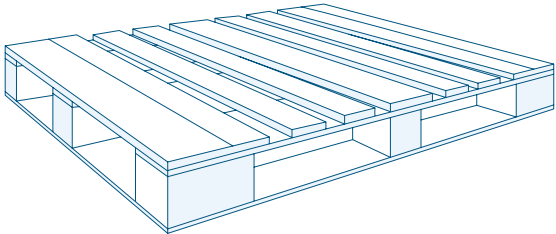
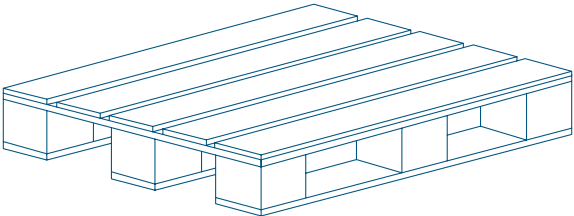
Equipment for loading and unloading

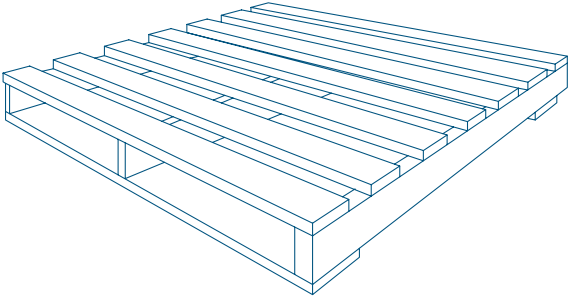
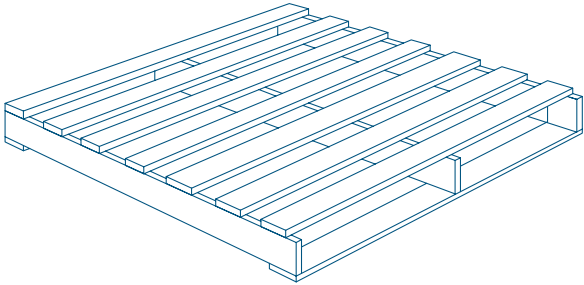
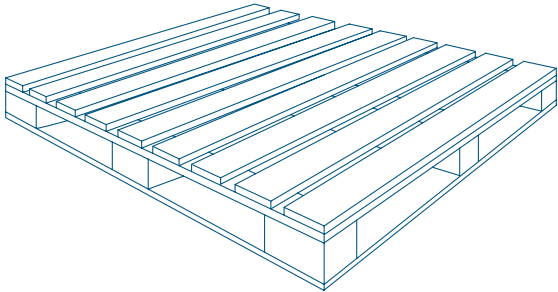
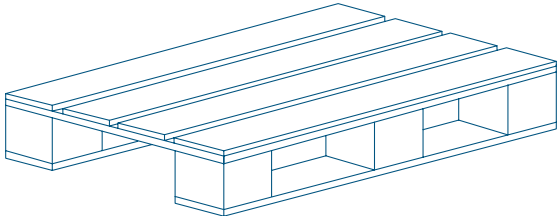
Appropriate equipment shall be used to handle cargo safely.

1) DIMENSIONS

1.1 ISO PALLETS

ISO (International Organization for Standardization) pallets are available in 6 different standard sizes. Dimensions vary depending on the region where they are used, hence it is important to choose a pallet suitable for the destination country according to ISO standards, otherwise cargo may have to be transferred.

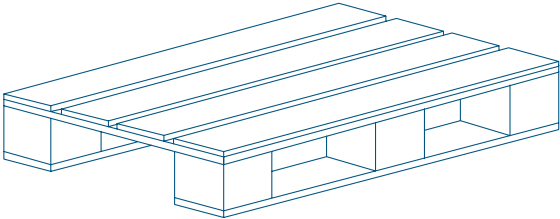
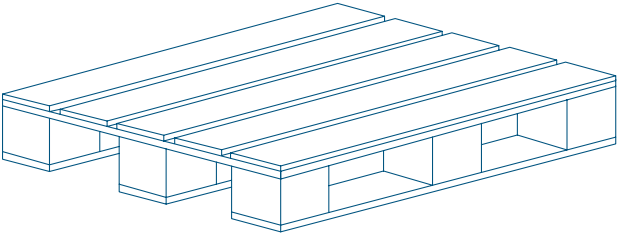
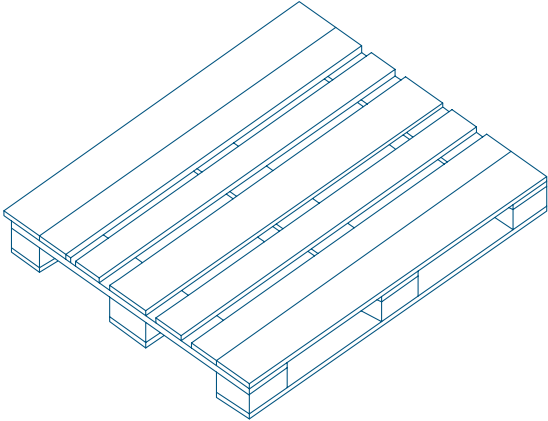
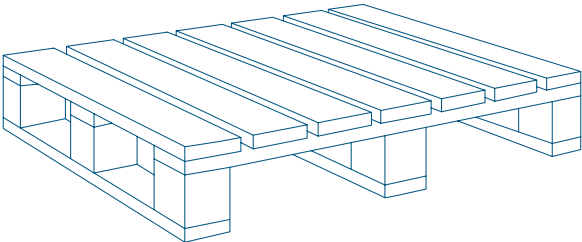
Most commonly used	Dimensions (W x L) cm	Dimensions (W x L) inch
North America 	101.6 x 121.9 cm	40 x 48 in
Europe and Asia 	100 x 120 cm	39.37 in x 47.24 in

Most commonly used	Dimensions (W x L) cm	Dimensions (W x L) inch
Australia 	116.5 x 116.5 cm	45.9 x 45.9 in
North America, Asia, Europe 	106.7 x 106.7 cm	42 x 42 in
Asia 	110 x 110 cm	43.4 x 43.4 in
Europe 	80 x 120 cm	31.50 in x 47.24 in

1.2 EUR-PALLETS

Eur-Pallets (EUR or EPAL pallets) are the standard European pallets, and the ones that currently most circulate in Europe. The weight ranges from 20-25 kg and is available in four different sizes.

It is a type of pallet standardized by ISO (International Organization for Standardization) and one of the main equipments used in cargo transport and warehousing.

UR-Pallet Types	Dimensions (W x L) cm	Dimensions (W x L) inch
EUR, EUR 1 	80 x 120 cm (most commonly used in Europe)	31.50 in x 47.24 in
EUR 2 	100 x 120 cm (most commonly used in the UK)	39.37 in x 47.24 in
EUR 3 	100 x 120 cm	31.50 in x 47.24 in
EUR 6 	60 x 80 cm	23.62 in x 31.50 in

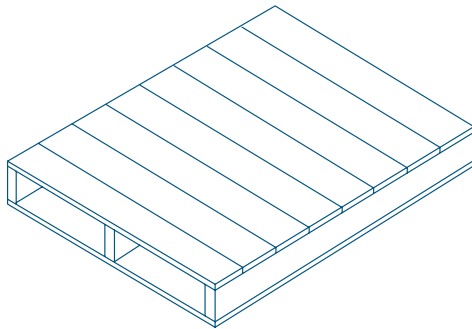
1.3 AMERICAN PALLET

American Pallets are widely used in American and Japanese logistics. They can also be called: universal pallets or isopallets and their dimensions are 1200x1000 mm.

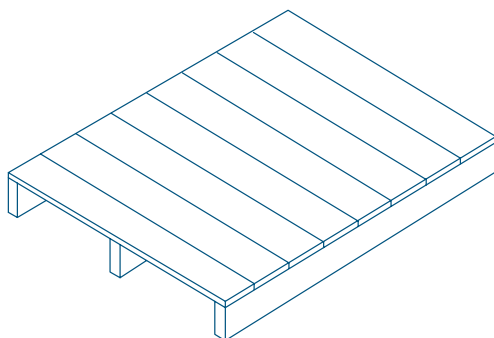
2) ENTRY POINTS

Entry points refer to the number of sides where the forklift introduces the fork to be able to move cargo.

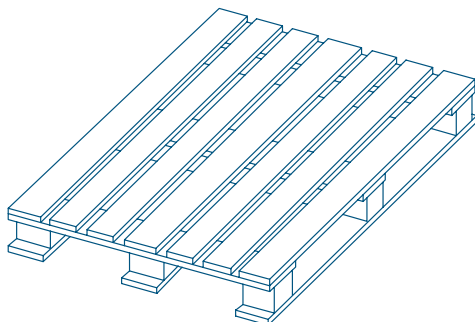
Two-Way Entry
(Reversible)



Two-Way Entry
(Close Boarded, No Base Boarded)

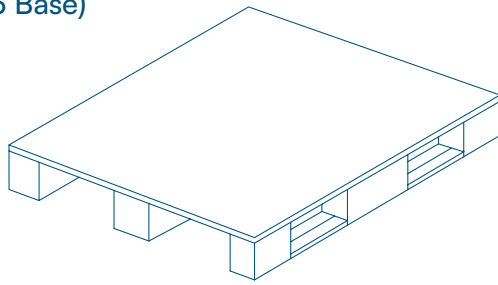


Two-Way Entry
(Wing Type)

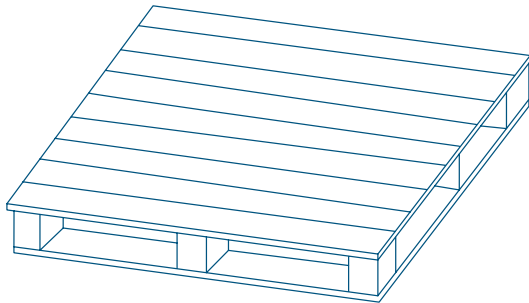


Two-Way Entry Pallets have a lower mobility compared to those with Four-Way Entry sides, since the forklift can only move the pallet through the two opposite sides (front or rear). They are the most suitable for the transport of cargo that require greater resistance.

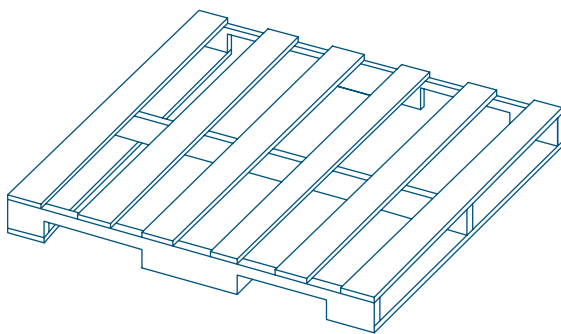
Four-Way Entry
(Close Boarded 3 Base)



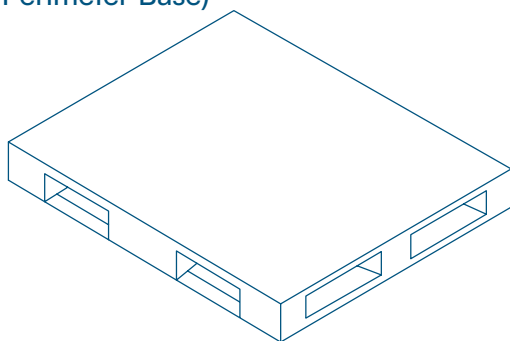
Four-Way Entry
(Perimeter Base)



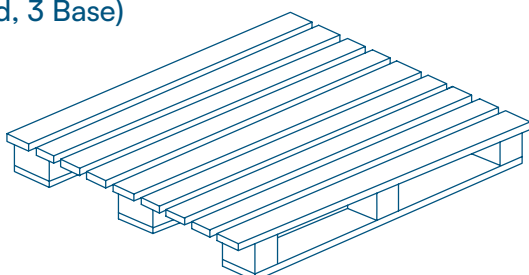
Four-Way Entry
(Wing Type)



Four Way Entry
(Close Boarded Perimeter Base)



Four-Way Entry
(Open Boarded, 3 Base)

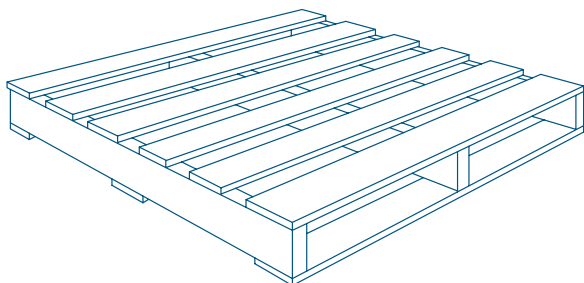


Four-Way Entry Pallets can be moved through any of the four sides therefore in a distribution or warehousing situation maneuvering cargo is easier.

3) MATERIAL TYPE

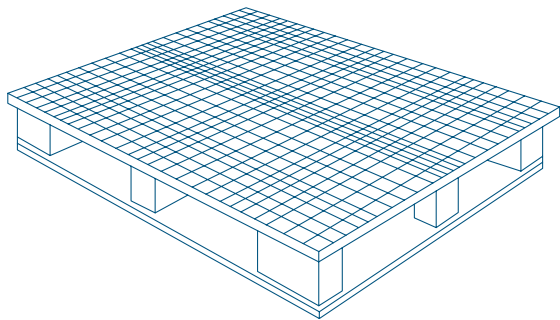
In addition to the several sizes and constructions, pallets can be manufactured with different types of materials in order to meet the particularities inherent to cargo (price, availability, safety, durability, weight, load capacity, etc.).

Wooden



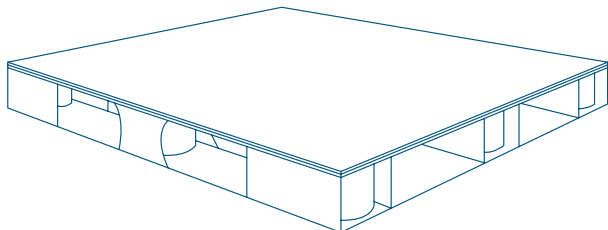
Wooden pallets are manufactured all over the world once they are made of an abundant and affordable material. Whether in soft wood or hardwood, these pallets provide high versatility and stability for the heaviest loads, and can accommodate up to 3,600 kg of static cargo.

Plastic



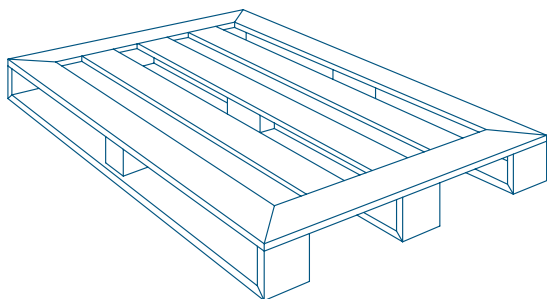
Stronger and longer lasting than wooden pallets, accommodating up to 680 kg of cargo. These pallets don't absorb water, are simpler to clean, and are widely used in the international transport of food and drinks.

Paper/Eco



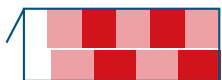
Due to their low weight, paper pallets are disposable and easier to move. Once they don't have moisture resistance they are mostly used in the transport of lighter cargo by air.

Steel



Steel pallets have a greater longevity especially when transporting in harsh conditions. Besides its strength and durability these pallets are more suitable for heavier loads such as ammunition and machinery. Steel and aluminum are the two most popular types of metal used for pallets.

4) HOW MANY PALLETS CAN FIT IN A CONTAINER?

20' Standard	10 Standard Pallets 1,20x1,00 m	
	11 Euro Pallets 1,20x0,80 m	
20' Pallet Wide	10 Standard Pallets 1,20x1,00 m	
	14 Euro Pallets 1,20x0,80 m	
20' Reefer	9 Standard Pallets 1,20x1,00 m	
	10 Euro Pallets 1,20x0,80 m	
40' Standard	21 Standard Pallets 1,20x1,00 m	
40' High-Cube	25 Euro Pallets 1,20x0,80 m	
40' Pallet Wide	24 Standard Pallets 1,20x1,00 m	
	30 Euro Pallets 1,20x0,80 m	
40' High Cube Reefer Container	20 Standard Pallets 1,20x1,00 m	
	23 Euro Pallets 1,20x0,80 m	
45' Standard High Cube	24 Standard Pallets 1,20x1,00 m	
	27 Euro Pallets 1,20x0,80 m	
45' High Cube Pallet Wide	26 Standard Pallets 1,20x1,00 m	
	33 Euro Pallets 1,20x0,80 m	
45' Pallet Wide High Cube	26 Standard Pallets 1,20x1,00 m	
	32 Euro Pallets 1,20x0,80 m	

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The above transcribed content have been based on and adapted according to the following sources:

AR Racking. (s.d). Types of Pallets and uses. Consulted on:
<https://www.ar-racking.com/en/blog/types-of-pallets-and-uses/>

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