

HOW MANY PALLETS CAN FIT IN THE TRUCKLOAD & CONTAINERS.



**40Ft. High Cube
Shipping Container
=20-24 Pallet**

How many pallets fit in a 40-foot high cube shipping container?

A 40-foot high cube container shares the same length and width dimensions as a standard 40-foot container but provides additional height, usually around 9.5 feet. This extra vertical space enables more pallets to be stacked vertically, increasing the overall capacity. Depending on the height of the pallets and the loading technique used a 40-foot high cube container can hold approximately 20-24 standard pallets.

Factors Influencing Pallet Capacity

Various factors play a role in determining the number of pallets that a container can accommodate. Factors like pallet size, container size, and loading methods affect this calculation. Opting for larger pallets may result in a reduced capacity within the container. Conversely, choosing smaller pallets or utilizing strategic stacking techniques can significantly enhance the container's capability to store a greater quantity of pallets efficiently.



Optimizing Pallet Loading for Maximum Efficiency

To optimize container space effectively, businesses should consider employing strategic pallet loading techniques. This means using vertical space efficiently. This can be done by stacking pallets.

Another way is by choosing sizes that reduce unused space. Distributing weight evenly is also important for stability and safety during transport. Businesses can save money and improve shipping efficiency by using these practices to better utilize container space.

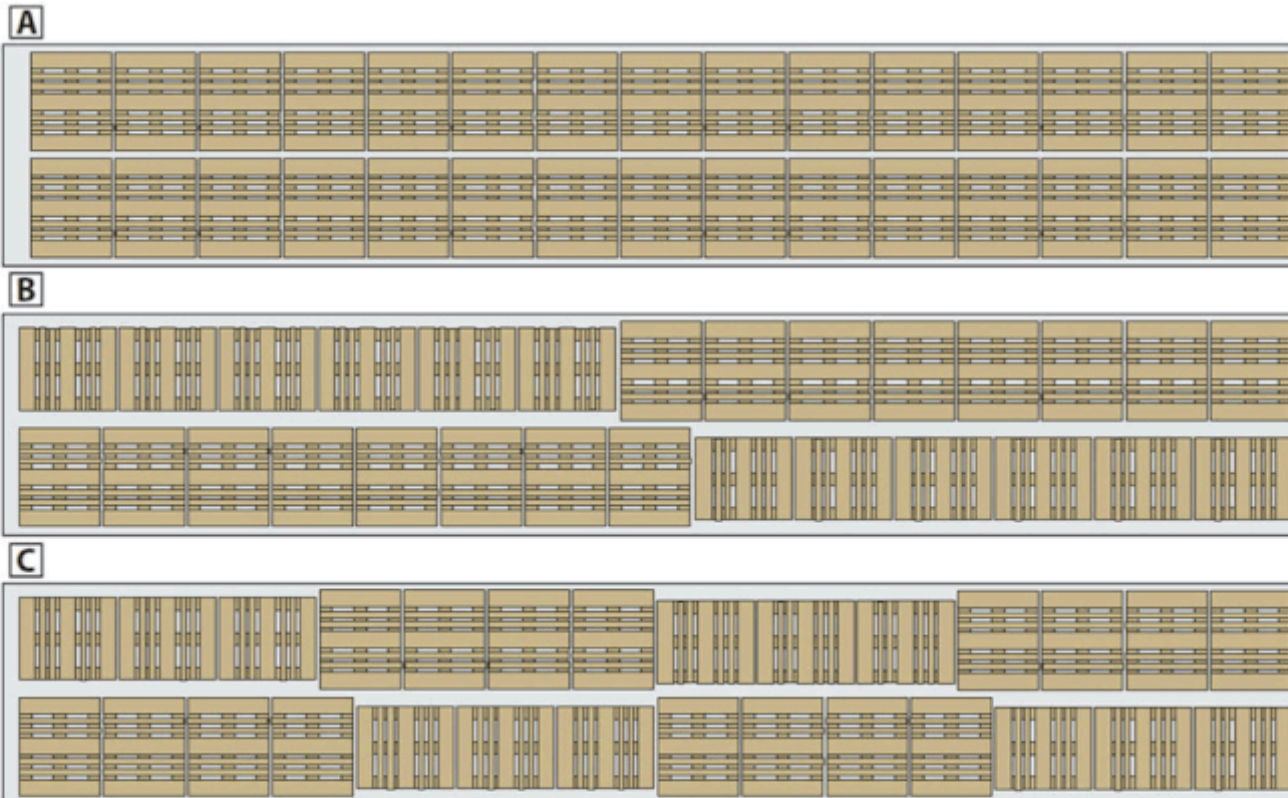


A-IDEAL LAYOUT - 30 Pallets Single Stack, 60 Pallets Double Stack; 2 Rows of 15 Pallets Sideways.

B-OPTIONAL LAYOUT - 28 Pallets Single Stack, 56 Double Stack; 8 sideways, 6 Straight, then Mirrored 6 Straight, 8 Sideways.

C-OPTIONAL LAYOUT - 28 Pallets Single Stack, 56 Pallets Double Stack; 4 sideways, 3 Straight, Then Mirrored 3 Straight, 4 Sideways and repeated.

STANDARD BLOCK PALLET SIZE IS 48" X 40"



Question: What is a 53ft dry trailer?

Answer: Whether you call them Big Rigs, 18 wheelers, or Semis, virtually all the large trucks in North America are 53' trailers.

The term "dry" refers to the fact that the trailer is covered and not an open flat bed.

Costco expects only 53' dry trailers are used for delivery since it's the only size which accommodates the dock door size at their Depots. For example, a smaller trailer with a lift gate will be refused by the Depot.

Question: What's the difference between FTL and LTL and Floor Load?

Answer:

FTL = Full Truck Load

LTL = Less Than (Truck) Load

Floor Load = Shipment without pallets (loose cartons or slip sheets). This is not common and can only be used with buyer authorization. Additionally, a special "Floor Load" appointment must be made at the Depot for this type of delivery since it requires much more manpower to offload.

Question: Does Costco have specific requirements on how FTL trailers are loaded?

Answer: Yes! Not following specs may also be subject to fines. First of all pallets must be 48"x40" block style produced strictly to Costco spec. The ideal trailer loading spec is 30 pallets on 1 layer and 60 pallets when double stacked.

See image below which is part of the official Costco Routing Guide.

Full spec can be found here: <https://www.clubstorepackaging.com/specifications>

There are 2 optional loading patterns which should only be used if needed for stability or to improve air flow for produce or refrigerated trailers.

Question: Will I have an issue with the bottom layer of double stacked pallets crushing during shipment?

Answer: Great question! The answer is "it depends". Sorry to be vague but, how you designed your packaging, selected your materials and your product type all have a major influence. You can add corner posts on the pallet or additional support but, it's not always enough. Consult your packaging partner on the double stacking at the start of design when it's most economical to ensure you meet this requirement. If your packaging partner can't help, contact us with questions.

Don't forget, it's not just your load you need to design for. Each pallet load under 750 lbs/340 kg must be capable of withstanding 1500 lbs/680 kg of weight on the bottom product layer without damage.