



# Container Dimension & Load Plan Guide

<b>Standard 20"</b>				
Inside Length	19'4"	5.89 m		
Inside Width	7'8"	2.33 m		
Inside Height	7'10"	2.38 m		
Door Width	7'8"	2.33 m		
Door Height	7'6"	2.28 m		
Capacity	1,172 ft <sup>3</sup>	33.18 m <sup>3</sup>		
Tare Weight	4,916 lb	2,229 kg		
Max. Cargo	47,999 lb	21,727 kg		
<b>Standard 40"</b>				
Inside Length	39'5"	12.01 m		
Inside Width	7'8"	2.33 m		
Inside Height	7'10"	2.38 m		
Door Width	7'8"	2.33 m		
Door Height	7'6"	2.28 m		
Capacity	2,390 ft <sup>3</sup>	67.67 m <sup>3</sup>		
Tare Weight	8,160 lb	3,701 kg		
Max. Cargo	59,040 lb	26,780 kg		
<b>High Cube 40"</b>				
Inside Height	2.68 m			
Door Height	2.58 m			
Capacity	2697 ft <sup>3</sup>	76.4 m <sup>3</sup>		
Tare Weight	9150 lb	4150 Kgs		
Max. Cargo	58050 lb	26330 Kgs		

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**Flat Rack 20"**

Inside Length	18'5"	5.61 m
Inside Width	7'3"	2.20 m
Inside Height	7'4"	2.23 m
Tare Weight	5,578 lb	2,530 kg
Max. Cargo	47,333 lb	21,469 kg

**Flat Rack 40"**

Inside Length	39'7"	12.06 m
Inside Width	6'10"	2.08 m
Inside Height	6'5"	1.95 m
Tare Weight	12,081 lb	5,479 kg
Max. Cargo	85,800 lb	38,918 kg



**Flat Rack Collapsible 20"**

Inside Length	18'6"	5.63 m
Inside Width	7'3"	2.20 m
Inside Height	7'4"	2.23 m
Tare Weight	6,061 lb	2,749 kg
Max. Cargo	61,117 lb	27,722 kg

**Flat Rack Collapsible 40"**

Inside Length	39'7"	12.06 m
Inside Width	6'10"	2.08 m
Inside Height	6'5"	1.95 m
Tare Weight	12,787 lb	5,800 kg
Max. Cargo	85,800 lb	38,918 kg



**Open Top 20"**

Inside Length	19'4"	5.89 m
Inside Width	7'7"	2.31 m
Inside Height	7'8"	2.33 m
Door Width	7'6"	2.28 m
Door Height	7'2"	2.18 m
Capacity	1,136 ft <sup>3</sup>	32.16 m <sup>3</sup>
Tare Weight	5,280 lb	2,394 kg
Max. Cargo	47,620 lb	21,600 kg



**Open Top 40"**

Inside Length	39'5"	12.01 m
Inside Width	7'8"	2.33 m
Inside Height	7'8"	2.33 m
Door Width	7'8"	2.33 m
Door Height	7'5"	2.26 m
Capacity	2,350 ft <sup>3</sup>	66.54 m <sup>3</sup>
Tare Weight	8,490 lb	3,850 kg
Max. Cargo	58,710 lb	26,630 kg

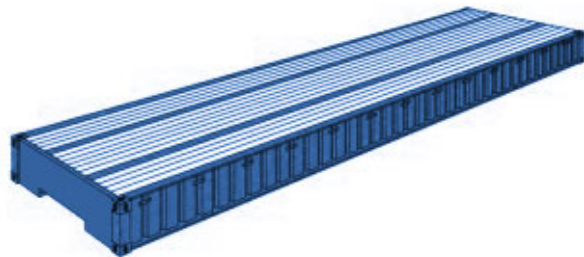


**Platform 20"**

Inside Length	19'11"	6.07 m
Inside Width	8'0"	2.43 m
Inside Height	7'4"	2.23 m
Tare Weight	6,061 lb	2,749 kg
Max. Cargo	52,896 lb	23,993 kg

**Platform 40"**

Inside Length	40'0"	12.19 m
Inside Width	8'0"	2.43 m
Inside Height	6'5"	1.95 m
Tare Weight	12,783 lb	5,798 kg
Max. Cargo	66,397 lb	30,117 kg



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## **Stuffing Plan**

To avoid problems such as cargo overflow or wastage of space, it is essential for shippers to have a stuffing plan before cargo is loaded into the container.

## **Measurement**

Generally speaking, a 20' container can hold as much as 28-30 cbm or 980-1,060 cu.ft., while a 40' can hold about 56-60 cbm or 1,980-2,110 cu.ft. The actual loading Internal Capacity of a container depends not only on the dimensions of the carton boxes but also on many other factors such as the packaging material and the competence and experience of the stuffing personnel.

## **Weight**

Besides the cargo's measurement, the stuffing plan should also take the weight into consideration. It is important to note that in many countries the permissible weight limits for road and rail transportation are lower than the maximum payload a container can afford.

## **Use of Pallets**

Palletisation is widely applied in some countries to increase cargo handling efficiency. When pallets are used, it is important to observe that :

- There are two major types of pallets, "Europallet" and standard pallets. The size of the "Europallets" is 800mm x 1,200mm per piece while the size of standard pallets is 1,000mm x 1,200mm per piece. A 20' container can hold eleven "Europallets" in one tier or nine to ten standard pallets in one tier while a 40' container can hold 23-24 "Europallets" in one tier or 20-21 standard pallets in one tier.
- Wooden pallets must be strong enough to allow storage of three tiers when loaded.
- Carton boxes must not overhang the edges of the pallets. On the other hand, boxes which utilize less than 90% of the pallet surface and do not align with the pallet edge can shift in transit.

In many cases, pallets are replaced by slip-sheets to save space. some shippers use neither pallets or slip-sheets in order to stuff more cargo into the container.

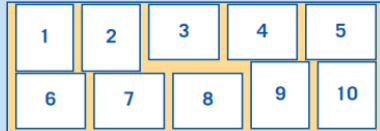
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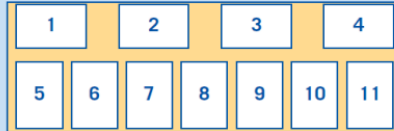
## Container Stuffing Plan

### 20' ISO Box Container

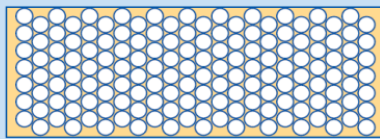
10 pallets (120 x 100 cm basic size each)



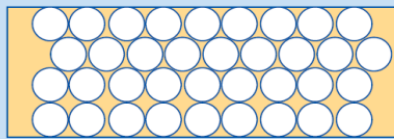
11 Paletten (120 x 80 cm basic size each)



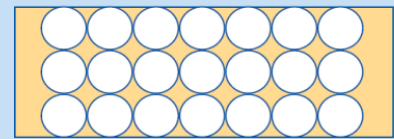
154 barrels (Ø 30.5 cm each)



36 barrels (Ø 59.7 cm each)



21 barrels (Ø 76.2 cm each)

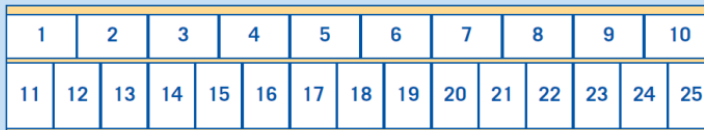


### 40' ISO Box Container

22 pallets (120 x 100 cm basic size each)



25 pallets (120 x 80 cm basic size each)



### 45' Pallet Wide Container

26 pallets (120 x 100 cm basic size each)



33 pallets (120 x 80 cm basic size each)



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