

Right Time. Right Place.

network global logistics

dimensional weight

NGL Logistics and Supply Chain Services:

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- Service Parts
- E-Commerce Fulfillment
- Distribution
- Manufacturing Support
- Time Critical Transportation

NGL Transportation Services:

- Sameday Air
- Sameday Ground
- Priority Air Freight
- Parts Swap Out
- AOG
- Charter
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What is Dimensional Weight (Dim Weight)?

Due to space limitations on aircraft, trucks, and ships, freight carriers must charge to ship packages based not only on actual weight, but on space, as well. Because of this, the concept of Dimensional Weight (Dim Weight) has been adopted by the transportation industry worldwide.

Dim weight allows transportation service providers to assign an appropriate rate to bulky packages by converting dimensions into a weight equivalent.

Practical Application

When packing your shipment, choose a box or container just large enough to hold the item to be shipped and any packing materials needed to protect the item. Even if the item being shipped is light, a large packing box may result in additional shipping costs due to its dim weight.

Calculating Dimensional Weight

Dimensional weight is determined multiplying package length by width by height (all measurements in inches) and dividing the total by 194 for domestic shipments; divide by 166 for international shipments.

$$\begin{aligned}\text{Dim Weight (Domestic Shipments)} &= (L \times W \times H) / 194 \\ \text{Dim Weight (International Shipments)} &= (L \times W \times H) / 166\end{aligned}$$

Billable Weight

NGL will bill charges based on either the actual or dimensional weight whichever is larger. This is the number that will be used to calculate the shipment's weight charges.

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