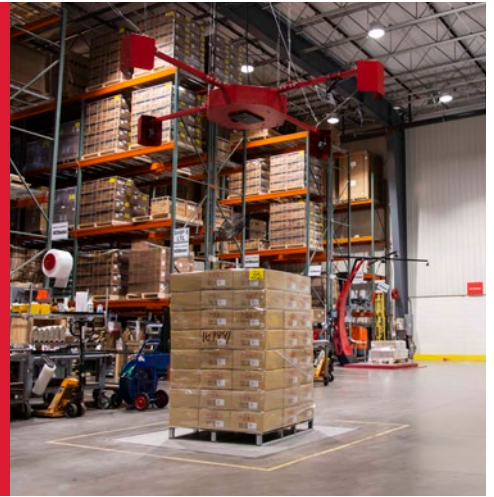


MEASURING UNDER NEW NATIONAL MOTOR FREIGHT CLASSIFICATION REQUIREMENTS



The National Motor Freight Traffic Association (NMFTA) will update the National Motor Freight Classification (NMFC) in July 2025. The NMFC is critical for shippers and carriers to calculate shipping costs. Currently, classifying shipments is based on four factors:

- DENSITY:** Calculated by dividing weight by volume in cubic feet
- LIABILITY:** The risk of transporting goods that are potentially dangerous, such as corrosive products
- STOWABILITY:** The ease of stowing freight while it's shipped
- HANDLING:** How difficult it is to load a shipment, especially bulky or heavy items

With a wide range of classifications, shipping departments frequently misclassify shipments, which leads to fees from less-than-load (LTL) carriers.

DENSITY CALCULATIONS

$$\frac{L \times W \times H}{1728} = \text{VOLUME FT}^3$$

$$\frac{\text{WEIGHT}}{\text{VOLUME FT}^3} = \text{DENSITY}$$



UPDATING FREIGHT CLASSIFICATION

In July 2025, freight classification will be solely based on density. This does not apply to freight with liability, stowability or handling concerns. Shipping departments will be able to:

- Save time on calculating classifications
- Easily avoid reclassification fees
- Ship faster with quicker audits

Since LTL carriers will be able to audit more frequently, shippers must be certain density is calculated correctly to avoid fees.

MEETING THE NEW CLASSIFICATION

Many shipping departments calculate this by hand, but calculating freight density gets difficult when:

- Freight leans over the pallet edge
- Boxes bulge unevenly beyond the sides of the pallet
- Shipping clerks want to save time and estimate dimensions

Dimensioning takes the guesswork out of finding density, saving on time and costs.

DIMENSIONING SOLUTIONS

Rice Lake Weighing Systems offers several iDimension® systems that are Legal for Trade and can be used to calculate density for classification. Visit www.ricelake.com/dimensioning to find the right dimensioning system for your shipping process.

