

DIM Divisor & Freight Class Cheat Sheet

Dimensional-weight divisors and the NMFC density scale, on one page. Keep it handy when you quote, audit, or classify LTL and parcel shipments.

DIMENSIONAL WEIGHT DIVISORS — 2026

CARRIER / SERVICE	DOMESTIC (IN³ ÷)	METRIC (CM³ ÷)	NOTES
UPS Ground & Air — daily rates	139	5000	Retail / UPS Store rates use 166
UPS International Air	—	5000	Some express lanes use 6000
FedEx Ground & Express — domestic	139	5000	Applies to all package services
FedEx International	—	5000	Some lanes use 6000
USPS Priority Mail	166	—	Only >1 ft³ in zones 5–9
DHL Express	—	5000	Air freight uses 6000

DIM weight = $[L] \times [W] \times [H] \div \text{divisor}$
Billable weight = $\max(\text{actual weight}, \text{DIM weight})$
 Ceiling rounding (since Aug 2025): UPS & FedEx round *each* dimension up to the next whole inch *before* multiplying — e.g. 12.1" is treated as 13".

NMFC FREIGHT CLASS BY DENSITY (JULY 2025 13-TIER SCALE)

DENSITY (PCF)	FREIGHT CLASS	DENSITY (PCF)	FREIGHT CLASS
Under 1	500	10.5 – under 12	92.5
1 – under 2	400	12 – under 15	85
2 – under 3	300	15 – under 22.5	70
3 – under 4	250	22.5 – under 30	65
4 – under 6	175	30 – under 35	60
6 – under 8	125	35 – under 50	55
8 – under 10.5	100	50 and over	50

Density (PCF) = $\text{weight (lb)} \div [L \times W \times H \text{ (in)} \div 1728]$
 Density sets the class for ~90% of commodities. Specific NMFC item codes can still override — carriers may reclassify by commodity, not just density.