OCEAN CONTAINERS ISO 668:2015 Series 1 freight containers

| FEET | 20' container | 40' container | 40' high-cube container | 45' high-cube container |
|--------------------|------------------|------------------|----------------------------|----------------------------|
| | metric | metric | metric | metric |
| internal volume | 33.1 m³ | 67.5 m³ | 75.3 m³ | 86.1 m³ |
| empty weight | 2,200 kg | 3,800 kg | 3,900 kg | 4,800 kg |
| net load | 28.2 Metric Tons | 26.6 Metric Tons | 26.58 Metric Tons | 25.6 Metric Tons |

Classification, dimensions and ratings

Maximum line load of <u>4.5 metric tons</u> per linear meter for a 20' container. Maximum line load of <u>3.0 metric tons</u> per linear meter for a 40' container. *Line load is calculated as follows:*

<u>A cargo weighing 15 tons extends over a length of 6 meters.</u> This gives a line load of 15/6 = 2.5 t/m. This cargo could therefore be transported in either a 20' or a 40' container.

<u>A cargo weighing 16 tons extends over a length of 4 meters.</u> This gives a line load of 16/4 = 4.0 t/m. This cargo could only be transported in a 20' container. In a 40' container the maximum line load would be exceeded and transport would therefore be disallowed.

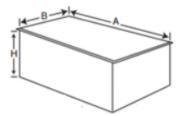
Cargo Density and dimensional weight are calculated as follows:

W/m² = Weight/ Area (cargo density) m³/m² = Volume/Area (dimensional weight)

Dimensional Weight Calculation

MEASURING OVERLAPPING EDGES

Measure to the nearest inch (centimeter)
Use the greatest measurement in each direction
Measure A x B x H



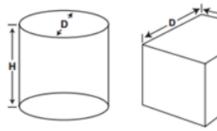
MEASURING CYLINDERS

Calculate the volume using the diameter as the length and the width.

For example: Measure D x D x H

The box has the same dimensional weight as

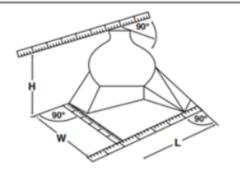
the cylinder.



MEASURING IRREGULAR SHAPES

Place the package in a corner in the position it will be loaded. Measure by holding a straight edge at the right angles to the wall.

Measure L x W x H



Weight Conversions

| UNIT | CONVERT | MULTIPLY BY |
|------------|---------|-------------|
| Pounds | Kilos | 0.4536 |
| Kilos | Pounds | 2.2046 |
| Metric Ton | Kilos | 1,000 |

Volume Conversions

| UNIT | CONVERT | MULTIPLY BY |
|--------------|-------------------|-------------|
| Cubic Meters | Cubic Feet | 35,3147 |
| Cubic Feet | Cubic Inches | 1,728 |
| Cubic Meters | Cubic Centimeters | 1,000,000 |

Linear Conversions

| UNIT | CONVERT | MULTIPLY BY |
|-------------|-------------|-------------|
| Inches | Centimeters | 2.54 |
| Centimeters | Inches | 0.393701 |
| Meters | Feet | 3.281 |
| Centimeters | Meters | 100 |

REFERENCES: United States Department of Transportation

FLORIDA DOT

COST PER TON-MILE AND TIME TO MOVE 20 METRIC TONS 1000 MILES

| Mode | \$/ TM | \$/TM x 1000 | \$ Cost | Transit Time |
|-------|---------------|--------------|---------|-----------------|
| Water | 0.017 | 17 | 240 | 5 days |
| Rail | 0.045 | 45 | 900 | 2 days |
| Truck | 0.250 | 250 | 5,000 | 1 day |
| Air | 1.395 | 1395 | 27,900 | 2 hours |

TERMINAL HANDLING FEES REFERENCE TABLES

Rates are established for six billing areas, when terminal handling is not included in the freight rate.

Reference: Association of World Ports.

- North Atlantic Port of Baltimore and North (North of Washington D.C.)
- South Atlantic and Gulf, Port of Norfolk and South-- all Gulf Ports. (South of Washington D.C.)
- West Coast Pacific coast ports to include Alaska.
- Europe Belgium, Germany, Italy, United Kingdom, Greece, Turkey, Azores, the Netherlands, Iceland, Southwest Asia, Africa, and all other European locations.
- Pacific Pakistan, Thailand, Australia, Japan, Korea, and all other Far East locations.
- Caribbean Panama, Central America, South America, and the Caribbean.

Port Handling Cargo Billing Rates

Billing Rates per MTON for **Export Shipments**

2016 increase 3% over 2015

| LOAD-DISCHARGE SERVICES | North Atlantic | South & Gulf | West Coast | Europe | Pacific | Caribbean |
|-------------------------|-------------------|-----------------|---------------|----------|---------|-----------|
| Containers | \$29.14 | \$25.32 | \$59.96 | \$52.07 | \$35.08 | \$30.97 |
| BB General Cargo | \$85.30 | \$57.78 | \$130.00 | \$104.48 | \$51.47 | \$39.47 |
| BB Wood | \$90.39 | \$84.60 | \$83.09 | \$58.05 | \$22.13 | \$32.40 |
| BB Metal | \$113.02 | \$110.31 | \$102.31 | \$55.77 | \$47.96 | \$31.94 |
| BB Cargo | \$29.04 | \$27.49 | \$28.70 | \$19.68 | \$21.06 | \$18.46 |
| Containers | \$27.03 | \$30.40 | \$38.64 | \$39.11 | \$22.65 | \$26.62 |
| House Hold Goods | \$69.64 | \$68.13 | \$86.41 | \$106.99 | \$43.73 | \$47.09 |

| Reefer cargo | \$63.88 | \$63.81 | \$56.20 | \$34.02 | \$16.81 | \$32.17 |
|----------------------------|---------|---------|---------|---------|---------|---------|
| Heavy Vehicles>4,500 Kilos | \$49.31 | \$19.97 | \$42.08 | \$23.40 | \$35.90 | \$19.84 |
| Vehicles < 4,500 Kilos | \$40.59 | \$29.41 | \$50.05 | \$42.21 | \$32.31 | \$31.50 |
| Oversize Vehicles | \$45.59 | \$57.72 | \$34.32 | \$61.56 | \$34.22 | \$14.52 |

Port Handling Cargo Billing Rates

Billing Rates per MTON for *Import Shipments*

2016 increase 3% over 2015

| LOAD-DISCHARGE SERVICES Commodity | North Atlantic | South & Gulf | West Coast | Europe | Pacific | Caribbean |
|-----------------------------------|-------------------|-----------------|---------------|---------|---------|-----------|
| Commodity | Aciditic | Guii | Coust | Luiope | racine | Caribbean |
| Containers | \$74.85 | \$67.04 | \$81.17 | \$67.09 | \$58.43 | \$70.54 |
| BB General Cargo | \$54.50 | \$62.05 | \$84.78 | \$62.80 | \$62.21 | \$37.24 |
| BB Wood | \$70.22 | \$98.63 | \$79.63 | \$30.63 | \$35.14 | \$20.83 |
| BB Metal | \$75.07 | \$49.68 | \$88.13 | \$42.36 | \$25.11 | \$30.81 |
| BB Cargo | \$20.83 | \$22.46 | \$24.09 | \$44.32 | \$36.82 | \$18.93 |
| Containers | \$23.01 | \$25.85 | \$18.23 | \$39.15 | \$31.93 | \$13.39 |
| House Hold Goods | \$66.59 | \$96.40 | \$82.52 | \$87.37 | \$39.46 | \$16.45 |
| Reefer cargo | \$77.61 | \$83.64 | \$65.46 | \$59.80 | \$39.13 | \$24.01 |
| Heavy Vehicles >4,500 Kilos | \$45.74 | \$21.74 | \$20.88 | \$26.76 | \$36.98 | \$13.49 |
| Vehicles < 4,500 Kilos | \$72.72 | \$25.80 | \$34.42 | \$47.54 | \$37.82 | \$22.31 |
| Oversize Vehicles | \$33.45 | \$21.28 | \$25.82 | \$40.94 | \$17.17 | \$12.50 |