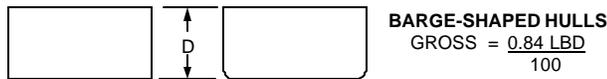
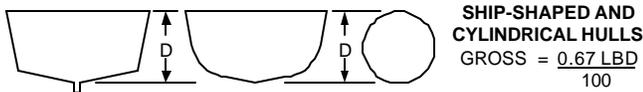


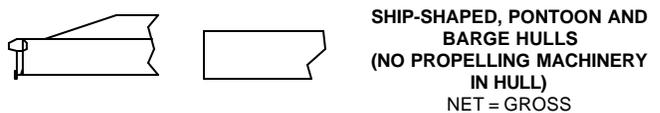
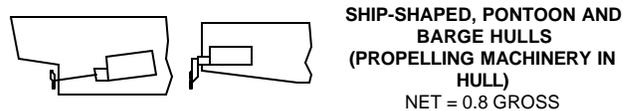
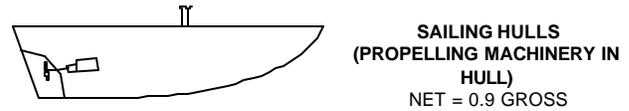
SIMPLIFIED MEASUREMENT TONNAGE FORMULAS (46 CFR SUBPART E)

Prepared by U.S. Coast Guard Marine Safety Center, Washington, DC Phone (202) 366-6502

GROSS TONNAGE



NET TONNAGE

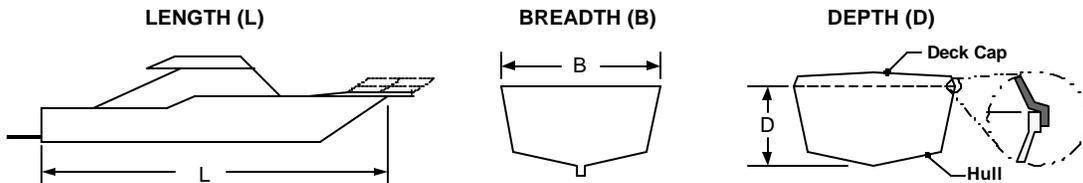


1. DIMENSIONS. The dimensions, **L**, **B** and **D**, are the length, breadth and depth, respectively, of the hull measured in feet to the nearest tenth of a foot. See the conversion table on the back of this form for converting inches to tenths of a foot.

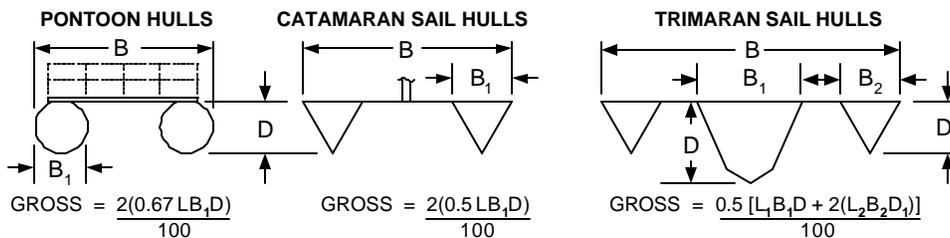
LENGTH (L) is the horizontal distance between the outboard side of the foremost part of the stem and the outboard side of the aftermost part of the stern, excluding rudders, outboard motor brackets, and other similar fittings and attachments.

BREADTH (B) is the horizontal distance taken at the widest part of the hull, excluding rub rails and deck caps, from the outboard side of the skin (outside planking or plating) on one side of the hull, to the outboard side of the skin on the other side of the hull.

DEPTH (D) is the vertical distance taken at or near amidships from a line drawn horizontally through the uppermost edges of the skin (outside planking or plating) at the sides of the hull (excluding the cap rail, trunks, cabins, deck caps, and deckhouses) to the outboard face of the bottom skin of the hull, excluding the keel. For a vessel that is designed for sailing and has a keel faired to the bottom of the hull, the keel is included in **D** if the distance to the bottom skin of the hull cannot be determined reasonably.



2. MULTI-HULL VESSELS. Gross tonnage of a multi-hull vessel is the sum of the gross tonnages of each hull as calculated using the formulas listed above. For example:



3. DECK STRUCTURES. For most vessels, the formulas listed above account for the volumes of deck structures such as cabins and deckhouses. However, if deck structures are excessive in size, the gross tonnage is calculated by adding the principal deck structure tonnage to the gross tonnage(s) of the vessel's hull(s). Deck structures are considered excessive in size if the tonnage of the principal deck structure calculated using the formula below is equal to or exceeds the gross tonnage(s) of the vessel's hull(s).

