

PROCEDURE FOR WEIGHING BOATS

- A. Scale. The boat shall be weighed using a single point load cell cleared by the RORC's IRC rating office for weighing boats for purposes of obtaining an endorsed IRC measurement certificate.
- B. Boat Empty. When weighed, the boat must be absolutely empty, to determine the "*Empty Weight*" as defined in IRC rule 22, as follows:
1. Empty Weight is the weight of the boat in the following, dry condition, with a clean bottom:
 - Fully rigged with all spars, standing rigging, backstay, halyards, main sheet, and vang.
 - Standard battery and 2 cabin cushions on board in their standard positions (for interior layout of the boat). If any optional items (including second battery) or v-berth cushions are on board, these items must be in their standard positions and must be noted in paragraph 3 of the boat's Weight Certificate.
 - All permanent fixtures and fittings and items of accommodation whether detachable or not, including standard companionway boards, bunk and floorboards, on board in their normal positions
 - All optional items noted in section 3 of the boat's Weight Certificate on board (e.g. V-berth cushions, dodger, etc) – must be permanently installed except for V-Berth cushions
 2. The following items shall **not** be on board for weighing:
 - Sails, headsail and spinnaker sheets, spare standing and spare running rigging.
 - Water and the contents of any other tanks (including holding tank), except as provided below for the fuel tank.
 - dodger and v-berth cushions, unless noted on the boat's Weight Certificate
 - emergency tiller (if wheel boat), cockpit cushions, shore power cable, and main cabin table
 - Anchors, chains, warps, mooring lines and fenders.
 - All removable safety equipment (including lifesling).
 - any of the required items of equipment listed in Exhibit 7.3C (except for those listed in paragraph 1 above)]
 - Food, cooking and catering utensils.
 - Clothing, bedding and personal effects.
 - Tools and spare parts.
 - Loose gear, down to the toilet paper and cleaning supplies.
 3. Bilges and other compartments must be dry.
- C. Fuel tank. If the fuel tank contains any fuel, the following amounts shall be deducted from the gross weight of the boat:

Fuel Gauge Reading	Deduction (kg)
0 to 1/3	5
greater than 1/3 and not more than 1/2	10
greater than 1/2 and not more than 3/4	15
greater than 3/4 but not full	25
full	35

D. Corrector weights. If any corrector weights are installed, they shall comply with the following:

- Corrector weights shall be permanently installed (bolted, glassed or glued) inside a locker, settee, cabinet or space other than below or above the main cabin flooring or the flooring in the head compartment/changing area.
- Notwithstanding the foregoing, no more than 180 kg¹ of corrector weights shall be located between the forward bulkhead of the head compartment/changing area and the forward face of the cockpit floor. If more than 180 kg of weight is required to achieve minimum Empty Weight, such excess weight shall be in the form of lead corrector weights and 30% shall be located on the forward face of the forward bulkhead of the head compartment/changing area (above the floor boards under the V-berth and outboard of the opening to the storage under the V-berth), and 70% shall be located aft of the forward face of the cockpit floor (but not inside the engine room).

E. Optional Equipment. All optional equipment that is permanently installed on the boat shall be noted on the Weight Certificate.

F. Tolerance. The Empty Weight shall be determined to the nearest 10kg.

G. Weight Adjustment. After a boat has been weighed, its Empty Weight may be adjusted without reweighing the entire boat by adding to or subtracting from the Empty Weight (1) the weight of corrector weights permanently installed on or removed from the boat after weighing and (2) the weight of optional equipment permanently installed on or removed from the boat after weighing. In such a case, a revised Weight Certificate, reflecting the changes, shall be prepared and duly signed as required by Class Rule 7.3.

¹ Equivalent of approximately 400 lbs.

J/105 CLASS WEIGHT CERTIFICATE

Date: _____

Boat Name _____ Hull # _____

Owner(s) _____

Address _____

Email _____ Tel _____

The undersigned hereby certify as follows:

1. The above boat weighs at least 3,890 kg
2. That weight was determined in accordance with J/105 Class Rule 7.3. and Exhibit 7.3A to the Class Rules.
3. The following optional items were on board while the boat was weighed (or correction for such items was made in accordance with paragraph G of Exhibit 7.3A to the Class Rules); all (except for V-berth cushions) were permanently installed (please check)

- _____ V-berth cushions
- _____ Dodger frame and dodger (in standard location)
- _____ 2nd battery (in standard location for interior layout of the boat)
- _____ Lead weight secured in place: total weight _____ Location _____

_____ (must be permanently installed (bolted/glassed/glued) in the locations specified in paragraph D of Exhibit 7.3C to the Class Rules)

- _____ Water tank, empty in standard location
- _____ Cooker, in standard location
- _____ Other Systems Group items: automatic bilge pump, vanity sink & water pump, drawers in galley and nav table (all in standard location)
- _____ Genoa tracks
- _____ Shore power installation (excluding cable)
- _____ Autopilot on the wheel/in lazarette (circle one)
- _____ Other (list item & location; must be permanently installed): _____
- _____
- _____
- _____

Certified by:

 Owner Class Measurer or Designee/Fleet Measurer or Designee

J/105 CLASS REQUIRED EQUIPMENT

The following equipment and other items must be on board at all times while racing:

Anchor w/attached chain and/or rode

USCG safety items (flares, foghorn, USCG approved life jackets for entire crew) and two fire extinguishers

1st aid kit, 1 bucket, 2 flashlights

2 main cabin berth cushions

Standard companionway boards

Lifesling, "man-overboard module" or horseshoe life ring (shall be on stern rail and not interfere with the operation of the swimming ladder)

Basic nav gear (e.g., chart book, ruler, dividers, tide book & rulebook)

Tool kit

Handheld or installed VHF and GPS

Radar reflector

Emergency tiller (if wheel boat)

Standard cooler, in standard location

Fuel tank in standard location, with gauge reading at least 1/2

1 standard – sized battery in standard location (for interior layout of the boat)

Boat hook

2 dock lines and 2 fenders

Bosun's chair

Any other equipment required by the Class Rules (including equipment and other items required by rules 5.1 and 5.2 or listed in paragraph 3 of the boat's Weight Certificate) or required by USCG rules

NOTE: This list is NOT intended as a list of minimum safety equipment required aboard a J/105. For example, these items do not include all equipment that would be required for ORC category 4 racing, the category applicable to many J/105 regattas pursuant to the notice of race or sailing instructions. In any event, the responsibility for providing and maintaining a safe and seaworthy vessel rests entirely on the owner and skipper. Neither the establishment or use of this Checklist, nor the inspection of a boat for compliance with the Checklist in any way limits or reduces the complete and unlimited responsibility of the owner or skipper.